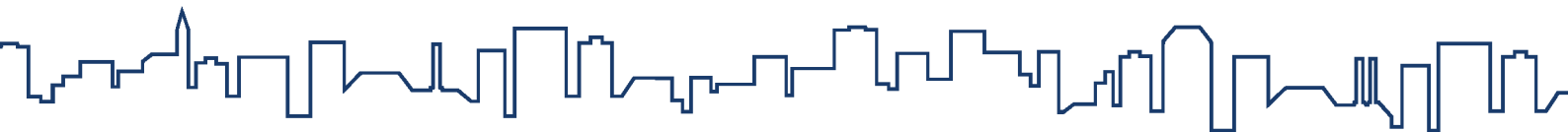


MODUS[®]

CZECH MANUFACTURER OF LIGHTING FITTINGS



LED light fittings 2021



Own development and production – it is MODUS.

With more than 27 years with experiences in development and production of luminaires for office, industrial and outdoor places. Thanks to our own production technology of LED moduls and electronic devices we are able to offer also SMART luminaires – with these you can make the consumption of electricity even lower and also had better lighting feeling. Every year we are investing to new production technology. Thanks to our own production possibility there is possible to make special luminaires by your request.

Careful production and quality components – these makes us one of the best producers in Europe in lighting segment.

Company registered office:

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e-mail: production@modus.cz

Technical note

The light flux values listed in the catalog refer to lamps with a color temperature of 4000K. The brightness values of luminaires fitted with chips with different color temperatures may vary slightly.

Warranty information:

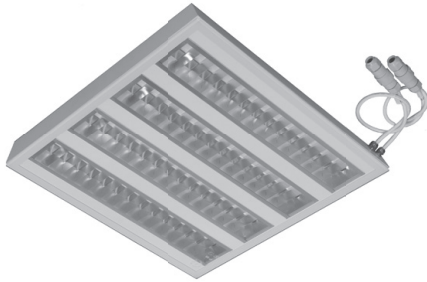
On MODUS luminaires is standarty given 2 years warranty from date of purchase.

At luminaires with 80.000 L80/B50 lifetime (lifetime is listed on datasheet of product family) is possible to provide 5 years warranty. This warranty is valid for electro-components (driver and LED moduls). This warranty needs to be confirmed by MODUS employee and conditions are listed in general sales conditions, which can be found on: www.modus.cz/en/warranty-1/

NEWS

CR

Pg.: 28



W	43-100
lm	4300-11000
K	2700-6500, MIX



EK

Pg.: 20

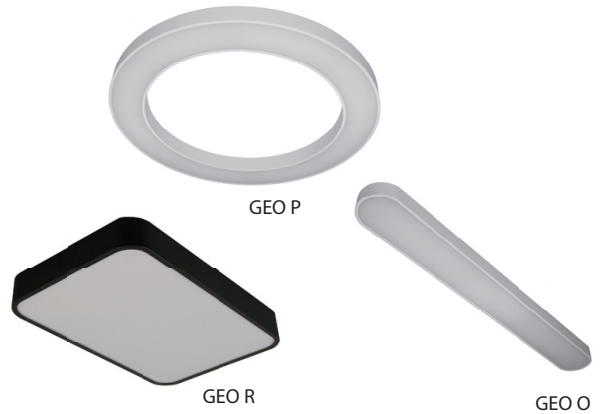
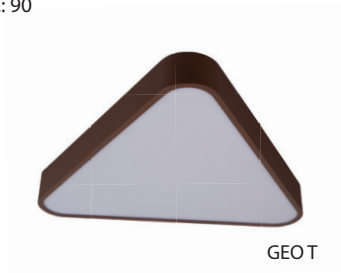


W	15-48
lm	1850-6000
K	2700-5700



GEO

Pg.: 90



W	15-93
lm	1800-11500
K	2700-6500, MIX



BC

Pg.: 86



W	14-23
lm	1400-2300
K	2700-4000












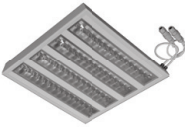



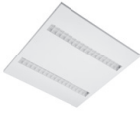







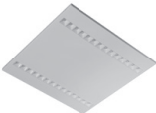










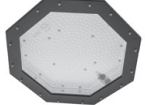


FIT IP65

Pg.: 12



W	23-57
lm	2700-6300
K	2700-6500



A	 AREL - 72	 AREL AS - 74	 AREL DI - 75	 ART - 50	 ASTA - 76
B	 BAL - 94	 BC - 86	 BONLED - 104	 BRS - 84	
C	 CR - 28				
D	 DISC - 95	 DOP - 46	 DS - 98		
E	 EB - 19	 EC - 18	 ED - 16	 EK - 20	 EPC - 58
	 EPD - 56	 EPK - 62	 EPS - 60	 ES - 14	 ESD - 102
	 ESO - 66	 EVO - 78	 EXAL - 88		
F	 FIT - 10	 FIT65 - 12	 FLY - 54	 FSQ - 52	
G	 G - 64	 GEO - 90			
H	 HB - 138	 HL - 40	 HVL - 42		

I



IBP - 24



ID - 32



INL - 30



IS - 34

K



KSL - 82



KX - 80

L



LAB - 26



LLL - 68



LLLX - 70



LVLEDOS - 142



LVLEDOS AS - 144

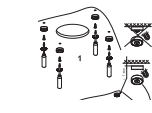


LVX - 149



LV236LED - 148

M



MAGNET - 36



MEGAL - 124



MEGAN - 128

N



NAR - 49



NM - 39

O



OS - 136



OXC - 145

P



PARKLED - 150



PHD - 123



PKK - 132



PKS - 130



PL - 118

Q



Q - 6



QN - 8



QN DI - 53

R

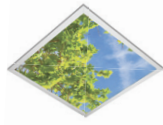


RX - 134

S



SBL - 44



SKY - 162



SOFT - 31



SOL - 48



SPMDO - 103



SPMI - 100



SPMN - 96



SPMP - 97



SPMS - 99



STL - 146

T



TELX - 106



TIP - 112



TOP - 110



TS - 114

U



UL - 140



US - 22

V



VLO - 120



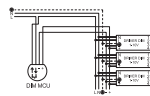
VL1X - 122



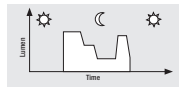
SUSPENSIONS - 168



MOWI - 154



DIMMING - 152



3 DIM - 151

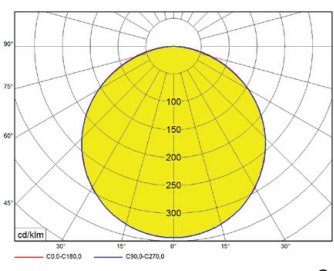


**SM - MICROWAVE
SENZORS - 161**

Q



η_{ef} (lm/W)
78-121



QA

Q

LED panel

Body:
Elox aluminium frame, also available in white on request

Optic:
Translucent acrylic layer with opal cover

Version (body shape):
Q..A – square 600x600 mm
Q..B – rectangle 600x300 mm
Q..C – rectangle 1200x300 mm
Q..D – rectangle 1200x600 mm
Q..E – square 300x300 mm
Q..F – rectangle 1500x300 mm

Installation way:
Q - insulation class II, for recessed installation into a raster ceiling 600x600 mm or 625x625 mm. Using accessories the panels can be also installed as pendant, surface or recessed into gypsum plasterboard.
QP - insulation class I, for surface installation or recessed installation into raster ceiling. Using set ZH/UNI4 the panels can be suspended.

Note:
QD (QPD) - panel with a decorative motives - see page 141

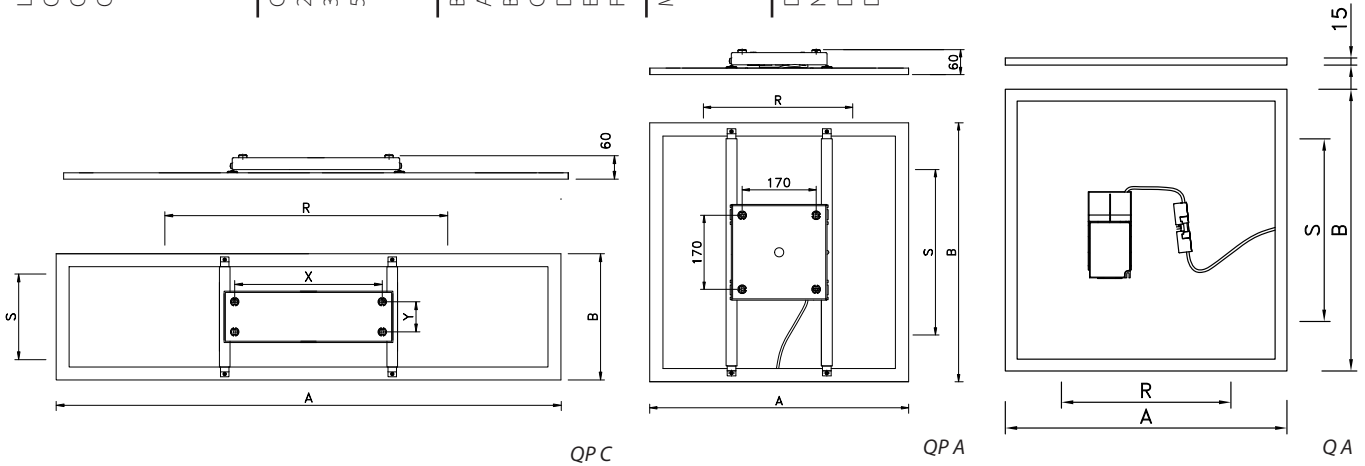
Accessories:
ZH/UNI4 - universal 4-wires suspension
UQRAM - a frame for surface installation of Q or QP panels
QVESTRAM - a frame for recessed installation of Q or QP into gypsum plasterboard ceiling
51009913 - magnetic holder for surface installation on gypsum ceiling of Q panels (4pcs for a panel type A, B, C or E, 6pcs for a panel type D or F)
NM - independent emergency module
VESTSET - set of clips for recessed installation of Q or QP into modular ceiling with hidden profiles

2200	2700	2900	3800	5300	6200	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	✗	○	○	○

● default ○ optional ✗ not possible



Q	3	A	600	/700ND
Luminaire type Q - recessed / pendant fitting QP - surface / recessed / pendant fitting QD - fitting with a decorative motive	Color temperature: 2 = 2900K, 3 = 3800K, 5 = 5300K	Body shape: A - square - 600x600 mm B - rectangle - 600x300 mm C - rectangle - 1200x300 mm D - rectangle - 1200x600 mm E - square - 300x300 mm F - / rectangle - 1500x300 mm	Modul: 600, 625	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI

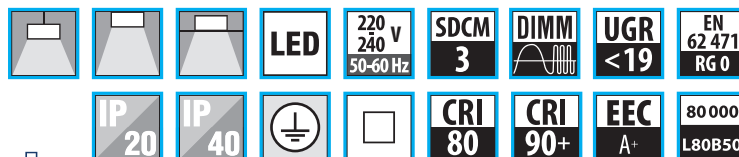


Q	W	lm	Modul 600		Modul 625		R	S	kg
			A	B	A	B			
Q A/700	34	4 100	596	596	622	622	200-530 (600x600) 200-555 (625x625)	555 (600x600) 580 (625x625)	4,5
Q A/1050	52	5 800							
Q B/350	17	1 800		296	x	x	450-900	255	2,8
Q B/500	26	2 600							
Q C/700	35	4 000	1196	596	x	x	555	9	
Q C/1050	54	5 650							
Q D/1400	70	8 500		296	296	x	190-250	255	1,8
Q D/2100	111	12 500							
Q E/250	9	700	1496	296	x	x	800-1100	5,8	
Q E/700	23	2 000							
Q F/1050	49	5 200							
Q F/1400	66	6 600							

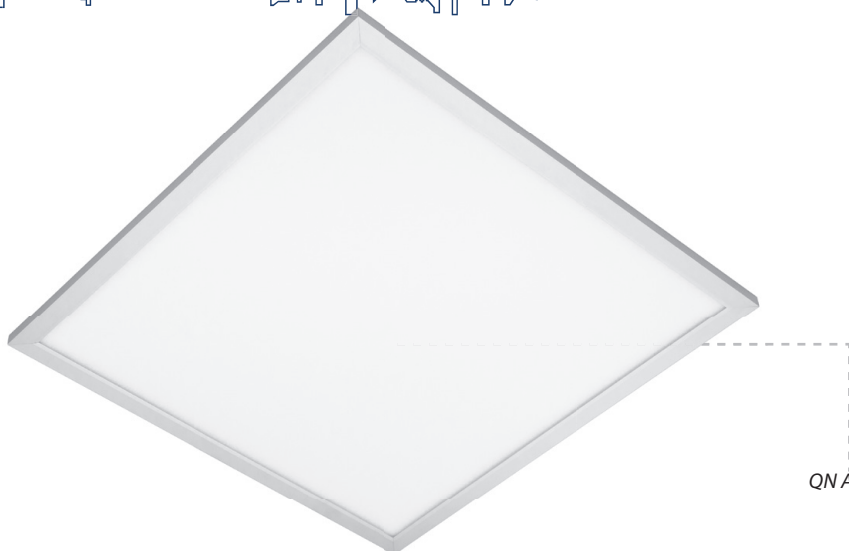
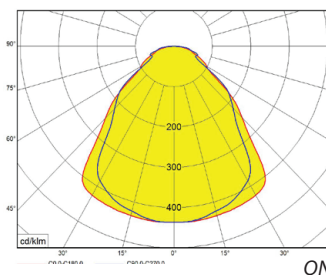
QP	W	lm	Modul 600		Modul 625		R	S	X	Y	kg
			A	B	A	B					
QP A/700	34	4 100	596	596	622	622	200-530 (600x600) 200-555 (625x625)	555 (600x600) 580 (625x625)	170	170	5,9
QP A/1050	52	5 800									
QP B/350	17	1 800		296	x	x	450-900	255	300	90	3,6
QP B/500	26	2 600									
QP C/700	35	4 000	1196	596	x	x	555 (600x600) 580 (625x625)	460	180	12	
QP C/1050	54	5 650									
QP D/1400	70	8 500		296	296	x	x	170	170	2,2	
QP D/2100	111	12 500									
QP E/250	9	700									
QP E/700	23	2 000									

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to +/- 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
92-121



LED panel

Body:
Elox aluminium frame, also available in white on request

Optic:
Translucent acrylic layer + microprismatic cover

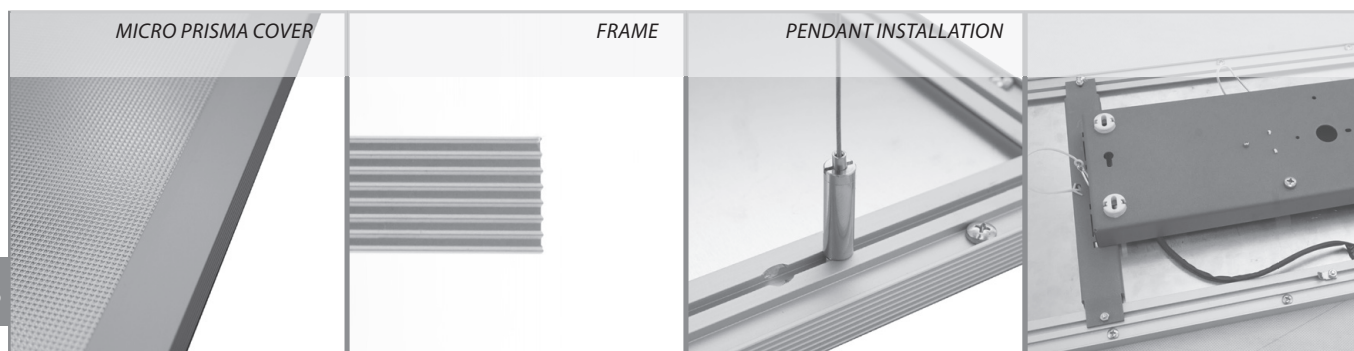
Version (body shape):
QN..A – square „600x600“
QN..B – rectangle „600x300“
QN..C – rectangle „1200x300“

Installation way:
QN - insulation class II, for recessed installation into a raster ceiling 600x600 mm or 625x625 mm. Using accessories the panels can be also installed as pendant, surface or recessed into gypsum plasterboard.
QPN - insulation class I, for surface installation or recessed installation into raster ceiling. Using set ZH/UNI4 the panels can be suspended.

Accessories:
ZH/UNI4 - universal 4-wires suspension
UQRAM - a frame for surface installation of QN panels
QVESTRAM - a frame for recessed installation of QN or QPN into gypsum ceiling
51009913 - magnetic holder for surface instalation on gypsum ceiling of QN panels 4pcs for a panel type A, B, C or E, 6pcs for a panel type D or F
NM – independent emergency module
VESTSET – set of clips for recessed installation of QN or QPN into modular ceiling with hidden profiles

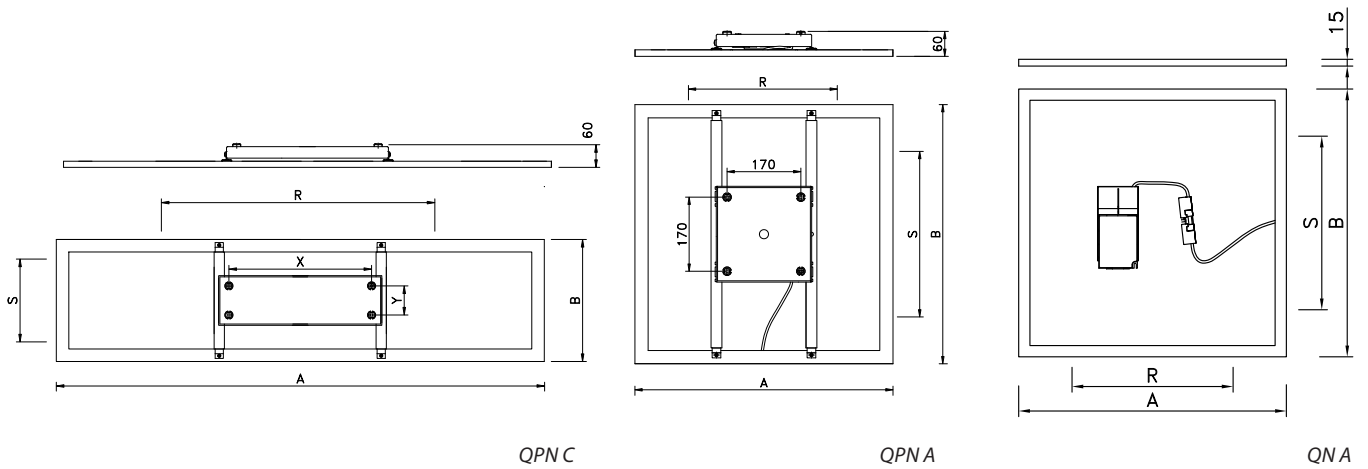
2200	2700	2900	3800	5300	6200	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	✗	○	○	○

● default ○ optional ✗ not possible



Codes: QN3A600/700ND

QN	3	A	600	/700ND	/90
Type: QN - recessed / pendant fitting QPN - recessed / surface / pendant fitting	Color temperature 2 = 2900K, 3 = 3800K, 5 = 5300K	Body shape A - square - 600x600 mm B - rectangle - 300x600 mm C - rectangle - 300x1200 mm	Modul: 600, 625	Driver type: ND - no dimmable DIM - dimmable 1-10V DALI - dimmable DALI	



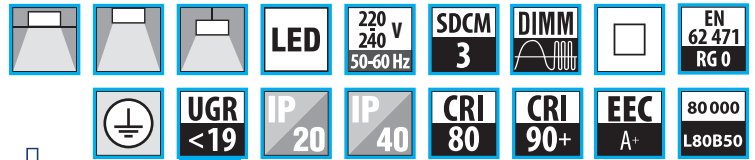
	W	lm	600				625				kg
			A	B	R	S	A	B	R	S	
QN A/700	34	4 100	596	596	200-530	555	622	622	200-555	580	4,2
QN A/1050	52	5 800									
QN B/350	17	1 750									
QN B/500	26	2 500	296	255	X	X	X	X	X	4,4	
QN C/700	35	4 000									
QN C/1050	54	5 600	1196	450-900							

Ra 90	W	lm	600				625				kg
			A	B	R	S	A	B	R	S	
QN A/700/90	34	3 400	596	596	200-530	555	622	622	200-555	580	4,2
QN A/1050/90	52	4 800									

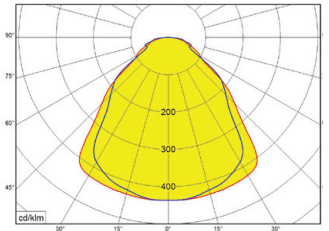
	W	lm	600						625						kg
			A	B	X	Y	R	S	A	B	X	Y	R	S	
QPN A/700	34	4 100	596	596	170	170	200-530	555	622	622	170	170	200-550	580	4,2
QPN A/1050	52	5 800													
QPN B/350	17	1 750													
QPN B/500	26	2 500	296	300	90	255	X	X	X	X	X	X	X	4,4	
QPN C/700	35	3 900													
QPN C/1050	54	5 600	1196	410	450-900										

lm - luminaire light output

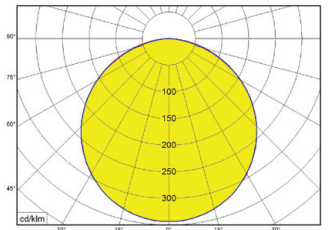
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
109-140



FIT KN



FIT KO

LED panel

Body:
White painted (RAL 9003) aluminium frame

Optic:
Transluce acrylic desk
KO – opal cover
KN – microprismatic cover

Version (body shape)
FIT..A 600 (625) – square 600x600 mm (625x625)
FIT..B 600 – rectangle 600x300 mm
FIT..C 600 – rectangle 1200x300 mm

Installation way:
FIT – recessed installation into modular ceiling 600 or 625 mm. Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.
FITP – surface or recessed installation into modular ceiling 600 or 625 mm. Using accessories the panel can be also UNI 2 installed as pendant or recessed into a gypsum plasterboard

Accessories:
UQRAM – white painted aluminium frame for surface installation
ZH/UNI2 - universal 2-wires suspension
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
51009913 – magnetic holder for surface installation on a gypsum plasterboard
VESTRAMA600 – white painted metal frame for recessed installation of QN or QPN into gypsum plasterboard ceiling
NM – independent emergency module
VESTSET – set of clips for recessed installation of QN or QPN into modular ceiling with hidden profiles

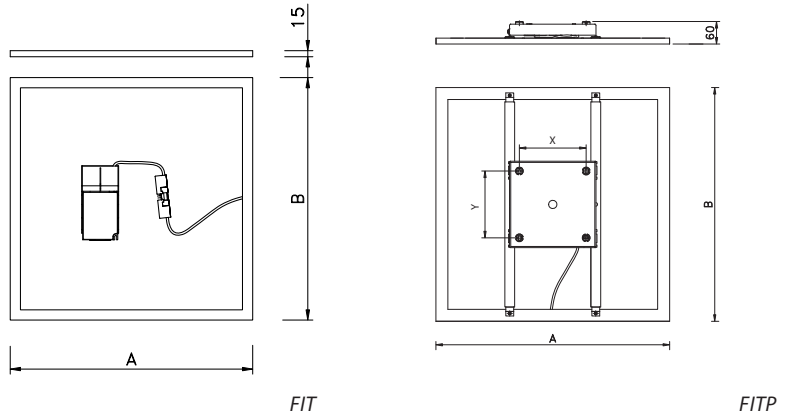
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	○	○

● default ○ optional ✗ not possible



Codes: FIT4000A3KN600/ND

FIT	4000	A	3	KN	600	/ND
Luminaire type FIT - recessed / pendant fitting FITP recessed / surface / pendant fitting						
Light output						
Body shape A - square - 600x600 mm B - rectangle - 600x300 mm C - rectangle - 300x1200 mm						
Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K						
Cover type: KN - microprizma KO - opal						
Modul 600 625						
Driver type: ND - no dimmable DALI - dimmable DALI						



FIT	W	lm		modul 600		modul 625		kg
		KO	KN	A	B	A	B	
FIT3000A	24	3 000	3 100	596	596	622	622	5,0
FIT4000A	35	4 400	4 500					
FIT5000A	49	5 500	5 700					
FIT6000A	57	6 300	6 600					
FIT2000B	16	1 950	2 000	596	296	622	310	2,8
FIT4000B	35	3 800	4 000					
FIT4000C	35	4 100	4 200	1196	296	1245	310	5,0
FIT6000C	57	6 200	6 400					
FIT3000A / 90	24	x	2 650	596	596	622	622	
FIT4000A / 90	35	x	3 950					
FIT5000A / 90	49	x	5 000					
FIT6000A / 90	57	x	5 650					

FIT EFFI	W	lm		modul 600		modul 625		kg
		KO	KN	A	B	A	B	
FIT3500A	27	3 700	3 800	596	596	622	622	5,0
FIT4500A	35	4 800	4 900					

FITP	W	lm		modul 600		modul 625		X/R	Y/S	kg
		KO	KN	A	B	A	B			
FITP3000A	24	3 000	3 100	596	596	622	622	170	170	5,3
FITP4000A	35	4 400	4 500							
FITP5000A	49	5 500	5 700							
FITP6000A	57	6 300	6 600							
FITP4000C	35	4 100	4 200	1196	296	1196	310	410	90	
FITP6000C	57	6 200	6 400							

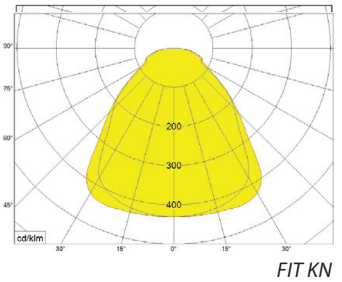
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

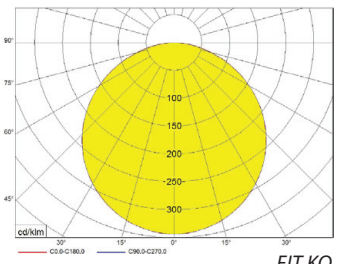
FIT IP65



η_{ef} (lm/W)
108-120



FIT KN



FIT KO

LED panel

Body:
White painted (RAL 9003) aluminium frame

Optic:
Transluce acrylic desk
KO – opal cover
KN – microprismatic cover

Version (body shape):
FIT..A 600 (625) – square 600x600 mm (625x625)
FIT..B 600 – rectangle 600x300 mm
FIT..C 600 – rectangle 1200x300 mm

Installation way:
FIT – recessed installation into modular ceiling 600 or 625 mm.
Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.

Accessories:
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard plasterboard
RAM100 - aluminium frame for surface installation

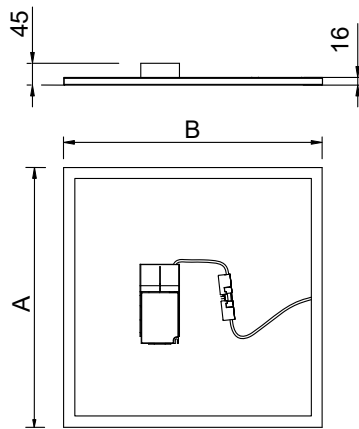
Version:
FIT.../IP65... complete IP65 protection
FIT.../IP6520... IP65 protection only from bottom side after installation.

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	✗	○	○	○	✗	○	○	●

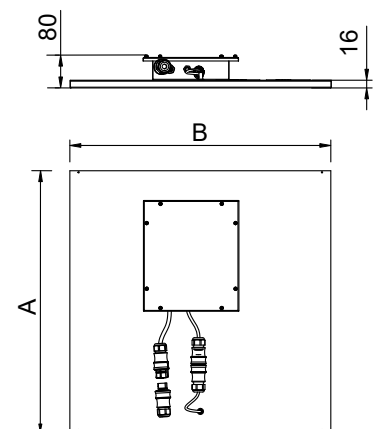
● default ○ optional ✗ not possible



FIT	4000	A	3	KN	600	/ND	/IP65
Typ svítidla							
Light output							
Body shape.		A - square - 600x600 mm C - rectangle - 300x1200 mm					
Color temperature.			2 = 2700 K 3 = 3000 K 4 = 4000 K 5 = 5700 K				
Cover type:				KN – cover prizma KO – cover opal			
Modul					600 625		
Driver type:						ND – no dimmable DALI – dimmable DALI	
Version.							IP65 - complete IP65 protection IP6520 - IP65 protection only from bottom side after installation



FIT IP65/20



FIT IP65

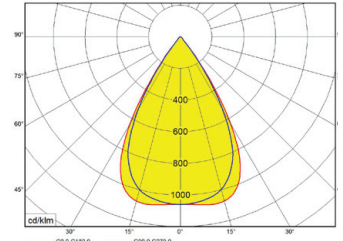
FIT	W	lm		modul 600		modul 625		kg	
		KO	KN	A	B	A	B	IP65	IP6520
FIT3000A	23	2 700	2 750	596	596	622	622	8,5	5,0
FIT4000A	35	4 100	4 200						
FIT5000A	49	5 100	5 300						
FIT6000A	57	6 100	6 300						
FIT2000B	20	1 900	2 000						
FIT4000B	30	2 800	3 000	296	-	-	-	-	-
FIT3000C	23	2 600	2 600	1196	296	1246	310	8,5	5,0
FIT4000C	35	4 000	4 100						
FIT5000C	49	5 000	5 100						
FIT6000C	57	5 900	6 100						
FIT3000A / 90	24	x	2 400	596	596	622	622	8,5	5,0
FIT4000A / 90	35	x	3 700						
FIT5000A / 90	49	x	4 600						
FIT6000A / 90	57	x	5 400						

lm - luminaire light output

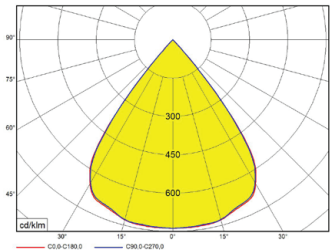
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
114-157



ES B50



ES B80



Recessed LED fitting

Body:
White (black) painted metal sheet

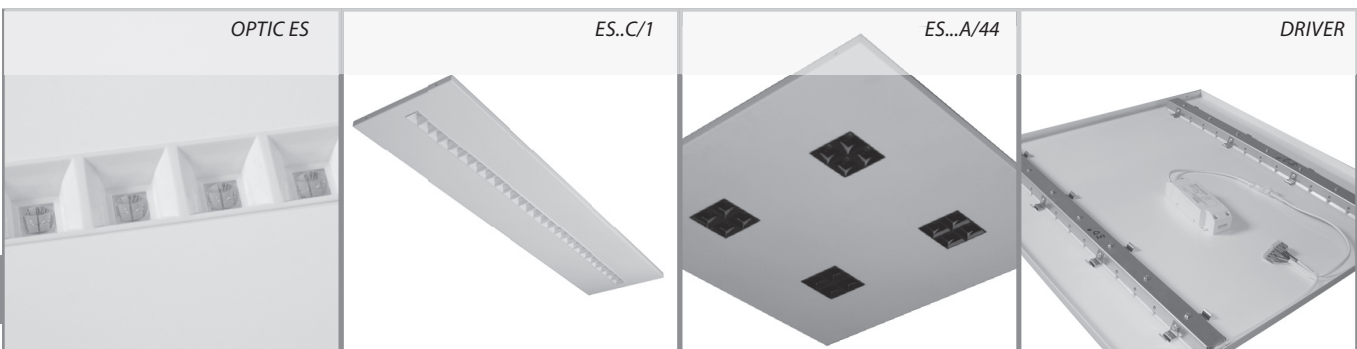
Optic:
PC reflector + clear PMMA lenses
B50 - white reflector with lenses 50°
B80 - white reflector with lenses 80°
C50 - black reflector with lenses 50°
C80 - black reflector with lenses 80°

Application:
- recessed installation into modular ceiling 600 or 625 mm.
Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.

Accessories:
UQRAM – white painted aluminium frame for surface installation
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
NM – independent emergency module

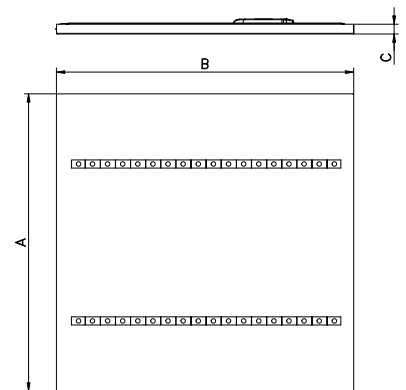
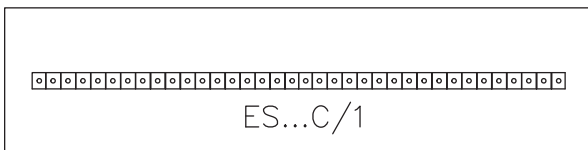
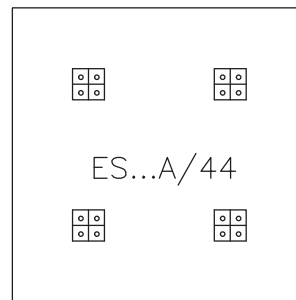
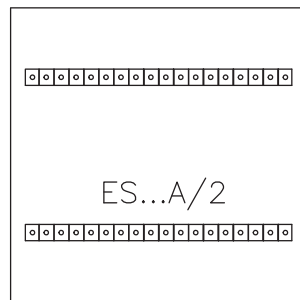
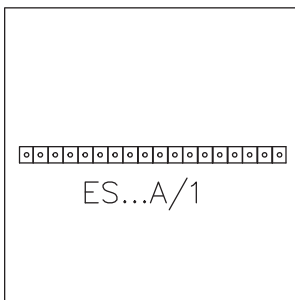
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	✗	○	○

● default ○ optional ✗ not possible



Codes: ES3000A3BB80/2/600/ND

ES	3000	A	3	B	B80	/2	/600	/ND
Luminaire type	Light output	Body shape A - square - 600x600mm C - rectangle - 300x1200mm	Color temperature 2=2700K, 3=3000K, 4=4000K, 5=5700K	Body color B - white body C - black body	Optic: B - white louvre C - black louvre 50 - narrow 50° 80 - wide 80°	Nr of LED modules	Modul	Driver type: ND - no dimmable DALI - dimmable DALI

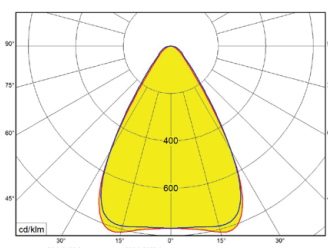


ES	W	lm		modul 600		modul 625		C	kg
		B50, B80	C50, C80	A	B	A	B		
ES1500A /1	11	1400	1250	596	596	622	622	25	1,8
ES3000A /1	22	3000	2700						
ES3000A /2	23	2900	2600						
ES4000A /2	28	4400	4000						
ES6000A /2	42	6100	5500						
ES3000A /44	18	2750	2400						
ES4000A /44	27	3900	3500						
ES3000C /1	23	2900	2600	1196	296	1245	310	2,0	
ES4000C /1	28	4400	4000						
ES6000C /1	42	6100	5500						

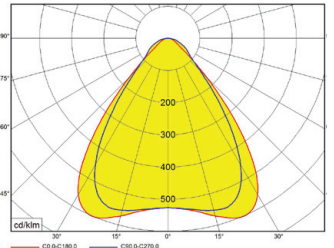
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

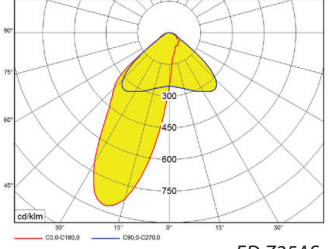
η_{ef} (lm/W)
142-153



ED Z60



ED Z90



ED Z25AS

Recessed LED fitting

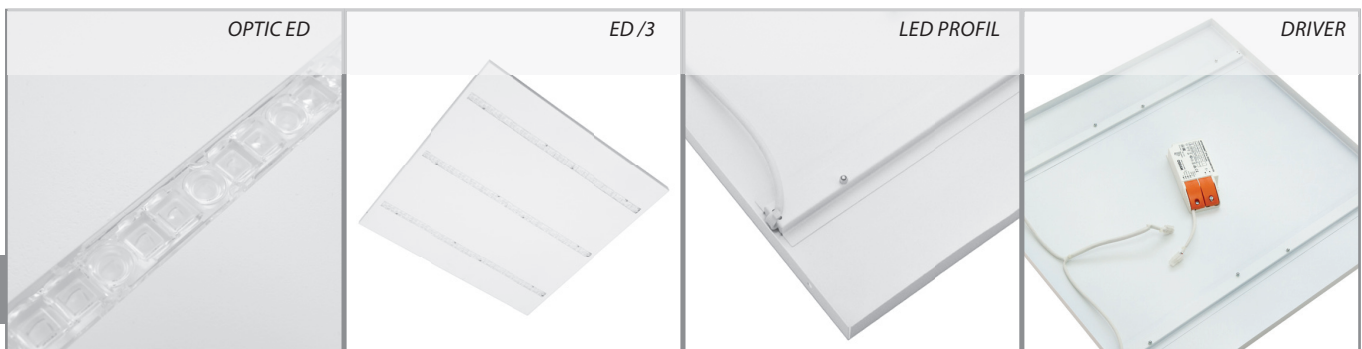
- Body:**
White painted metal sheet
- Optic:**
Symetric linear PMMA lenses
Z60 – narrow beam 60°
Z90 – wide beam 90°
Z25AS -asymmetric

Application:
- recessed installation into modular ceiling 600 or 625 mm.
Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.

- Accessories:**
UQRAM – white painted aluminium frame for surface installation
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
NM – independent emergency module

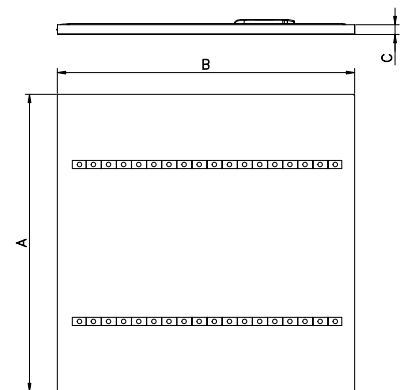
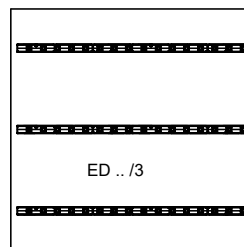
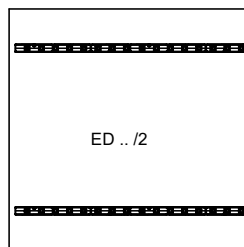
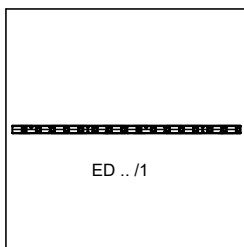
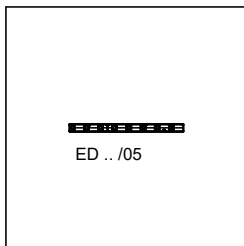
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	✗	○	○

● default ○ optional ✗ not possible



Codes: ED4000A3Z60/3/600/ND

ED	4000	A	3	Z60	/3	/600	/ND
Luminaire type ED – linear optics	Light output	Body shape A - square 600x600 mm	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	Optic: Z60 – narrow 60° Z90 – wide 90° Z25AS – asymmetric	Nr of LED modules	Modul	Driver type: ND – no dimmable DALI – dimmable DALI

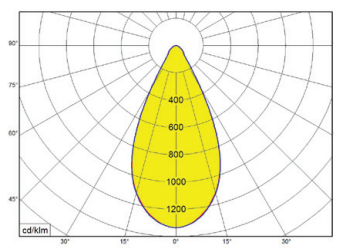


ED	W	lm (Z60, Z90, Z25AS)	600		625		C	kg
			A	B	A	B		
ED1000A /05	7	1 000	596	596	622	622	15	1,9
ED1500A / 05	10	1 300						
ED1500A /1	10	1 300						
ED2000A /1	14	2 000						2,0
ED3000A /1	19	2 700						
ED3000A /2	18	2 700						
ED4000A /2	26	3 800						
ED4000A /3	25	4 000						
ED6000A /3	38	5 800						

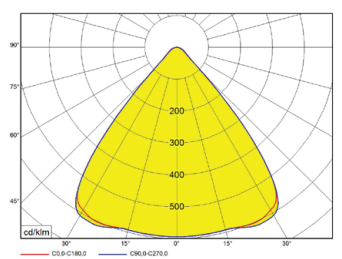
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

η_{ef} (lm/W)
146-150



EC Z60



EC Z90

Recessed LED fitting

Body:
White painted metal sheet

Optic:
Symetric PMMA lenses – 3 lines
Z60 – narrow beam 60°
Z90 – wide beam 90°

Version (body shape)
EC A 600 (625) – square 600x600 mm (625x625)

Application:
– recessed installation into modular ceiling 600 or 625 mm.
Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.

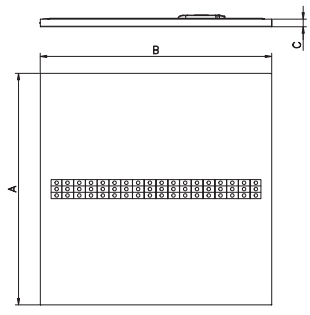
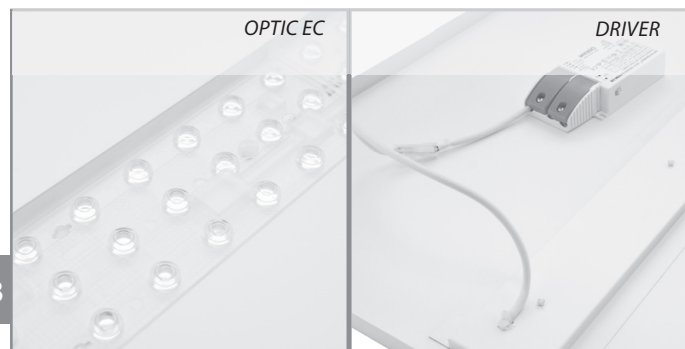
Accessories:
UQRAM – white painted aluminium frame for surface installation
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
NM – independent emergency module

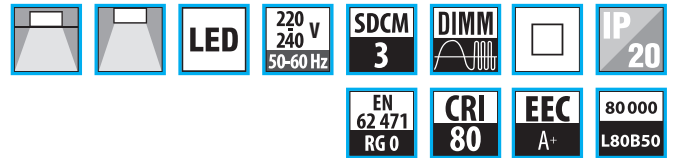
	W	lm (Z60, Z90)	600		625		C	kg
			A	B	A	B		
EC3000A	18	2 700	596	596	622	622	15	2,0
EC4000A	24	3 500						

lm - luminaire light output

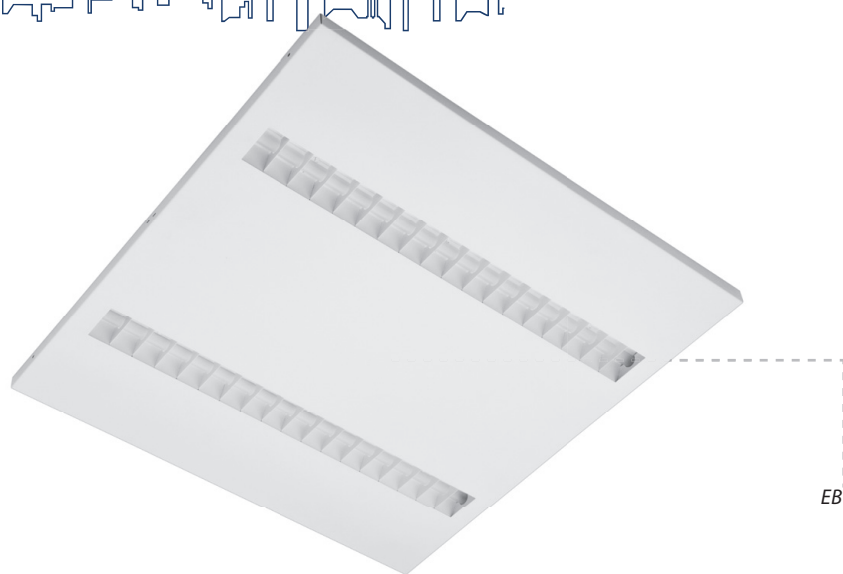
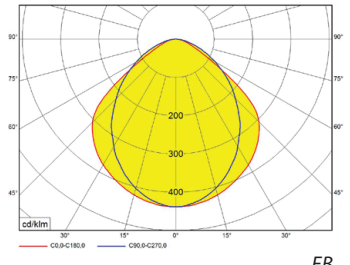
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	✗	○	○

● default ○ optional ✗ not possible





η_{ef} (lm/W)
131-147



Recessed LED fitting

Body:
White painted metal sheet

Optic:
White painted louvre with opal cover of LED modules

Version (body shape)
EB A 600 (625) – square 600x600 mm (625x625)

Application:
– recessed installation into modular ceiling 600 or 625 mm.
Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard.

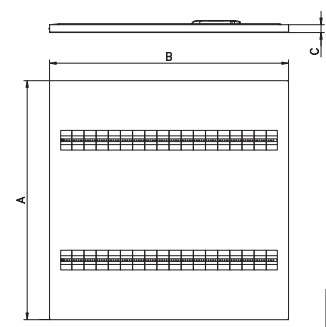
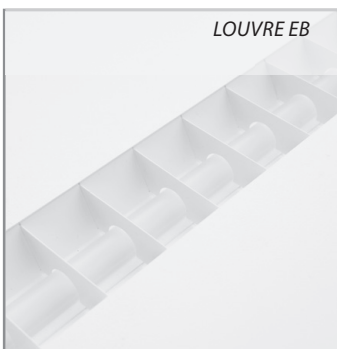
Accessories:
UGRAM – white painted aluminium frame for surface installation
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
NM – independent emergency module

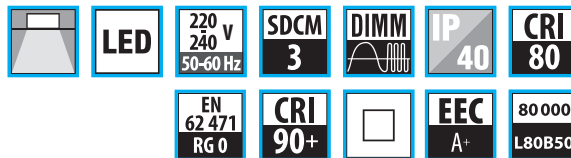
	W	lm	600		625		C	kg
			A	B	A	B		
EB3000A	19	2 800	596	596	622	622	23	2,2
EB4000A	26	3 800						
EB6000A	42	5 500						

lm - luminaire light output

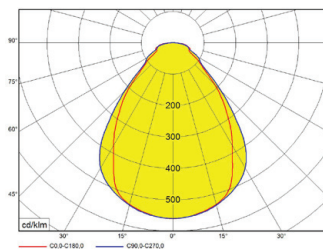
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	✗	○	○

● default ○ optional ✗ not possible

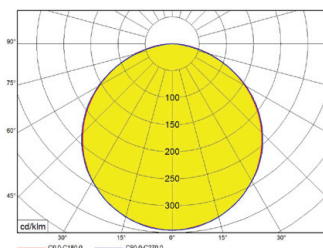




η_{ef} (lm/W)
109-150



EK KN



EK KO



EK 2000A.../1

Recessed LED fitting

Body:
White painted metal sheet

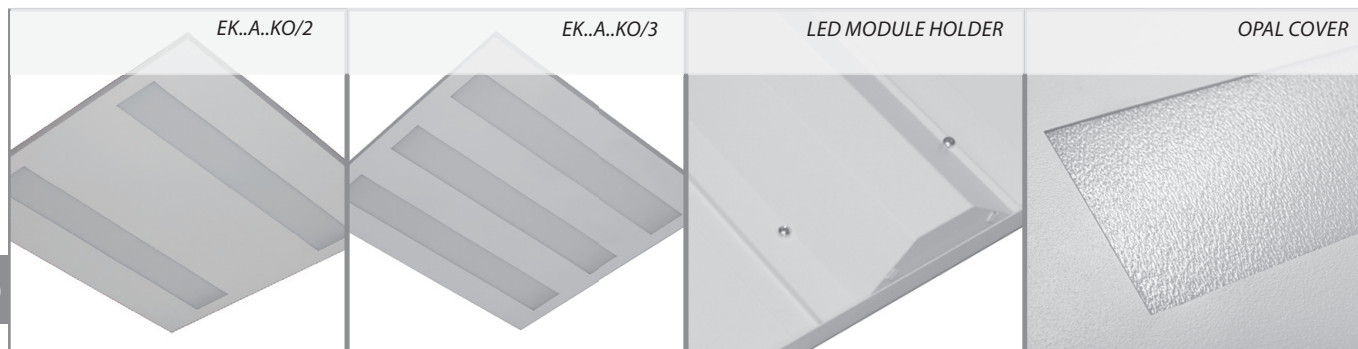
Optic:
KO - opal PS cover
KN - microprismatic PS cover

Application:
- recessed installation into modular ceiling 600 or 625 mm.
- Using accessories the panel can be also installed as surface or recessed into a gypsum plasterboard

Accessories:
UQRAM – white painted aluminium frame for surface installation
QVESTRAM – white painted aluminium frame for recessed installation into a gypsum plasterboard
NM – independent emergency module

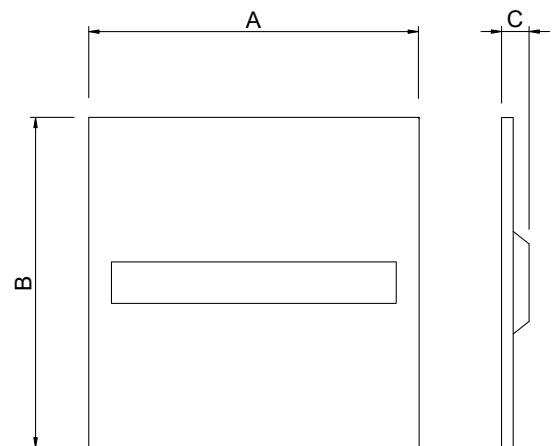
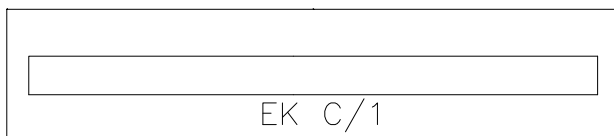
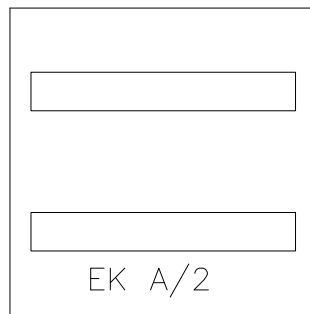
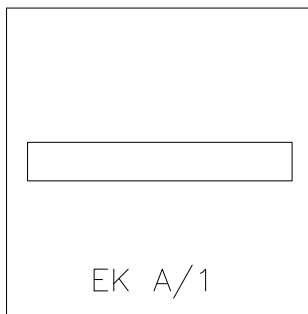
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	○	✗	●
●	○	○	○	○	○	✗	○	✗

● default ○ optional ✗ not possible



Codes: EK4000A4KN600/2/ND

EK	4000	A	3	KN	600	/2	/ND
Luminaire type	Light output	Body shape: A – square C – rectangle	Color temperature: 2 = 2700K 3 = 3000K 4 = 4000K 5 = 5700K	Type optic: KO – opal polycarbonate cover KN – microprismatic cover	Modul 600, 625	Nr. of LED modules	Driver type: ND – no dimmable DALI – dimmable DALI

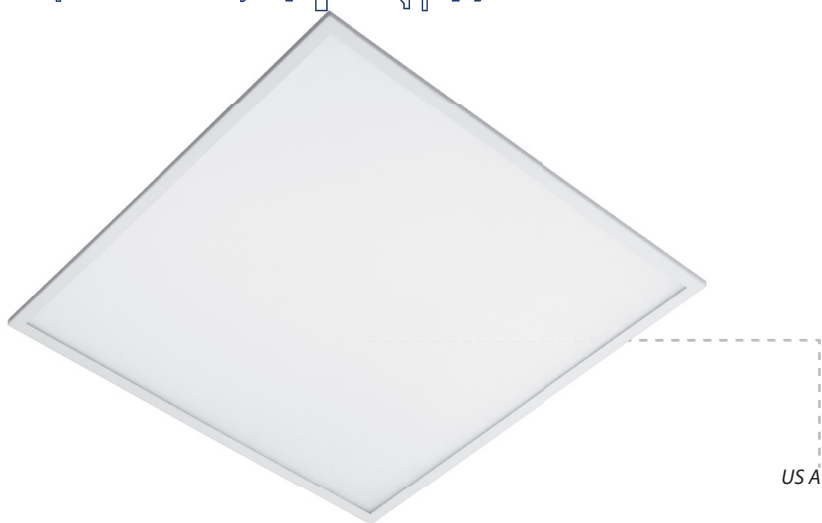


EK	W	lm		modul 600		modul 625		C	kg
		KO	KN	A	B	A	B		
EK2000 A /1/	15	1 850	1 950	595	595	622	622	35	1,8
EK3000 A /1/	20	2 500	2 650						
EK3000 A /2/	19	2 650	2 800						
EK4000 A /2/	30	3 900	4 100						
EK6000 A /2/	48	5 700	6 000						
EK6000 A /3/	44	5 700	6 100	1 196	296	1245	310	2,2	
EK4000 C /1/	28	4 000	4 200						
EK6000 C /1/	51	5 600	5 900						2,0

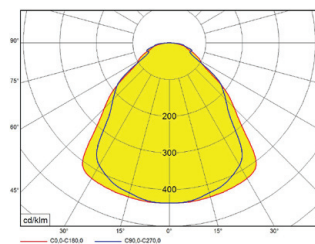
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

US



η_{ef} (lm/W)
108-119



US

LED panel

Body:
White painted (RAL 9003) metal sheet

Optic:
Translucent acrylic layer + Micro-prizma cover

Version (body shape)
US..A – square 600x600 mm
US..C – rectangle 1200x300 mm

Installation way:
US - insulation class II, for recessed installation into a raster ceiling 600x600 mm or 625x625 mm. Using accessories the panels can be also installed as surface or recessed into gypsum plasterboard.

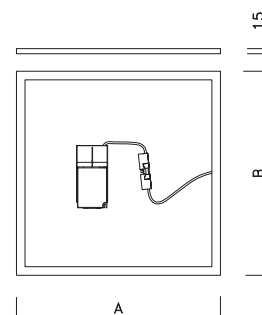
Accessories:
UQRAM - a frame for surface installation
QVESTRAM - a frame for recessed installation of US into gypsum plasterboard ceiling
NM – independent emergency module

	W	lm	600		625		kg
			A	B	A	B	
US3000A KN	27	3 200	596	596	622	622	4,0
US4000A KN	36	4 100					
US3000C KN	27	3 000	1196	296	x	x	4,2
US4000C KN	36	3 900					

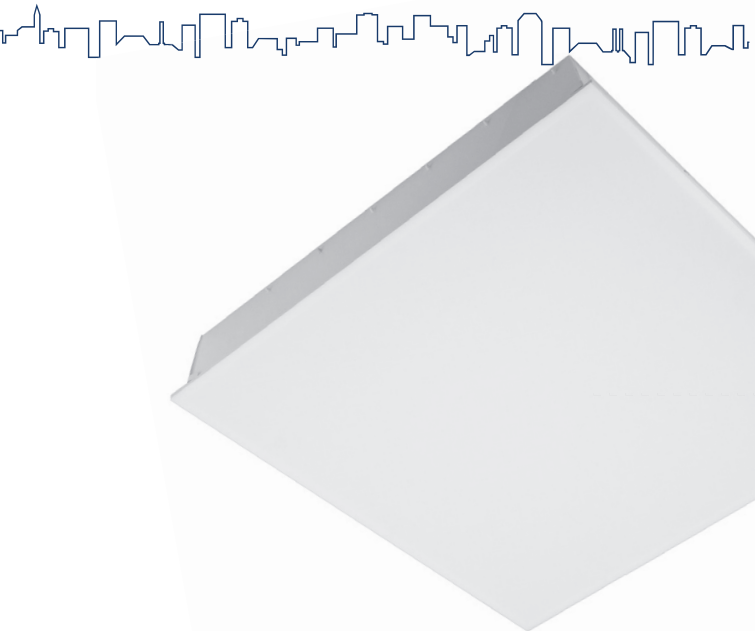
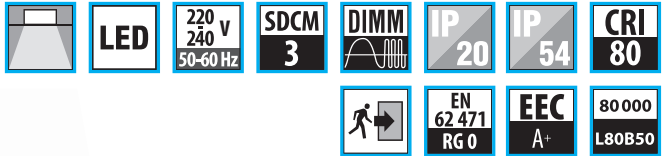
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	○	○	○	✗	✗	✗
●	○	○	○	○	○	✗	○	○

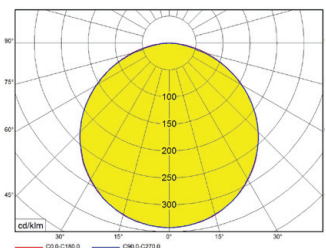
● default ○ optional ✗ not possible



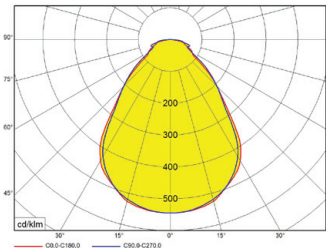




η_{ef} (lm/W)
103-139



IBP KO



IBP KN

Recessed LED fittings

Body:
White painted (RAL 9016) metal sheet

Optic:
KO - opal PS cover
KN - microprismatic PS cover
HO - smooth opal PS cover
PCO - opal PC cover

Application:
- Recessed - lighting for installation into false ceiling with visible supporting structure (both 600x600 or 625x625 modules).
- Installation into a gypsum plasterboard ceiling can be done with a QVESTRAM frame.

Versions:
600 - for 600 module
625 - for 625 module
IBS - light fitting with a decorative cover - see page 162

Accessories:
QVESTRAM - a frame for recessed installation into gypsum plasterboard ceiling
RAM100 - aluminium frame for surface installation

Note:
IP54 protection only from bottom side after installation

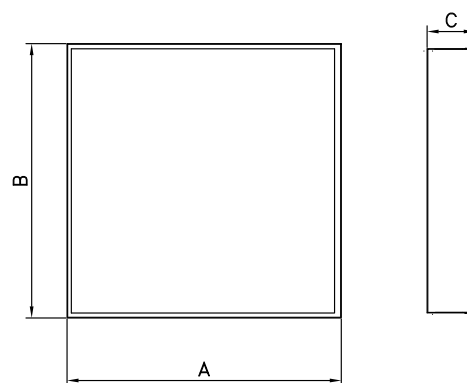
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	✗	○	✗	○

● default ○ optional ✗ not possible



Codes: IBP4000A3KO600ND

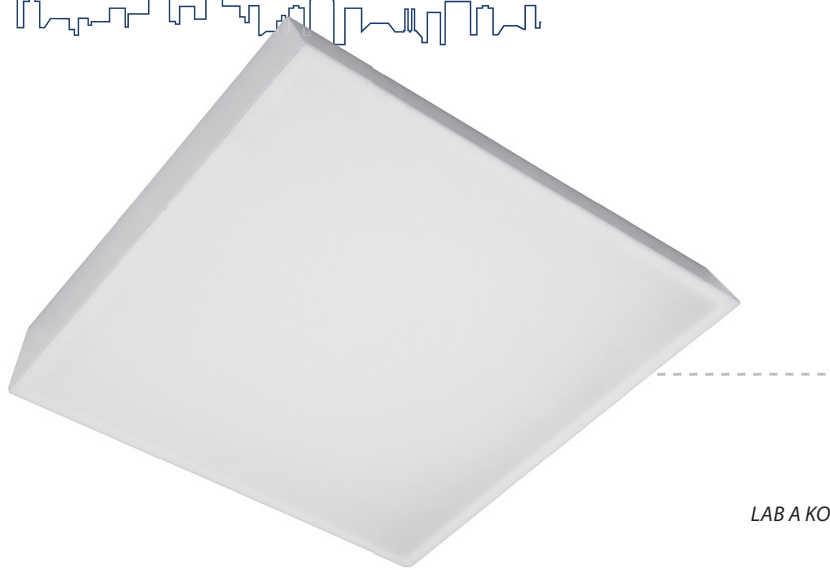
IBP	4000	A	3	KO	600	ND
Luminaire type	Light output	Body shape A - square - 600x600 mm C - rectangle - 300x1200 mm	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	Cover type: KO - opal KN - microprizma HO - smooth opal PS cover PCO - opal PC cover	Modul 600 625	Driver type: ND - no dimmable DALI - dimmable DALI



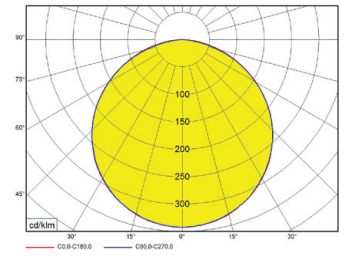
IBP	W	lm		modul 600		modul 625		C	kg
		KO	KN	A	B	A	B		
IBP3000A	23	3 100	3 200	596	596	622	622	90	2,6
IBP4000A	32	4 100	4 200						
IBP5000A	44	5 000	5 100						
IBP6000A	55	6 500	6 900	596	296	x	x		1,9
IBP2000B	19	1 950	2 050						
IBP3000C	23	2 900	3 000	1196	296	x	x		2,8
IBP4000C	32	3 900	4 000						
IBP6000C	57	6 500	6 900						

lm - luminaire light output

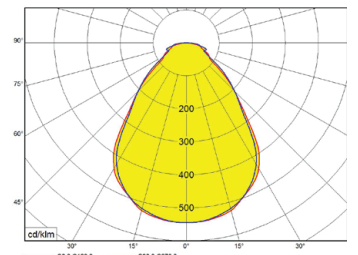
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



			η_{ef} (lm/W) 103-139		



LAB A KO



LAB A KN

Recessed LED fittings IP65

Body:
White painted (RAL 9016) galvanized metal sheet

Optic:
KO - opal PS cover
KN - microprismatic PS cover
HO - smooth opal PS cover
PCO - opal PC cover

Application:
Recessed - lighting for installation into false ceiling with visible supporting structure (both 600x600 or 625x625 modules)
Using accessories LABRAM a fitting can be also installed as surface.
Installation into a gypsum plasterboard ceiling can be done with a QVESTRAM frame.
The fixture can not be open - emergency module no available.

Versions:
600 - for 600 module
625 - for 625 module

Accessories:
QVESTRAM - a frame for recessed installation into gypsum plasterboard ceiling
LABRAM - a frame for surface installation / VESTRAMA600 - white painted metal frame for recessed installation into gypsum plasterboard ceiling
RAM100 - aluminium frame for surface installation

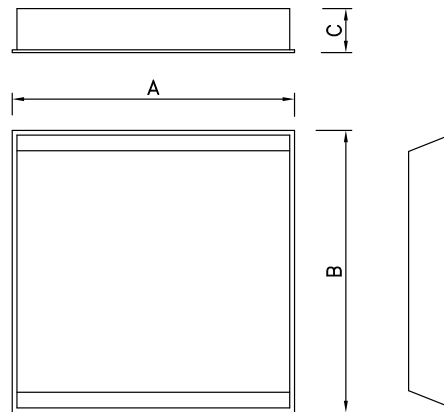
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	✗	○	○	✗	✗	✗	✗	●

● default ○ optional ✗ not possible



Kódové označení svítidla: LAB4000A3KOND

LAB	4000	A	3	KO	600	ND
Luminaire type						
Light output						
Body shape:						
A – square - 600x600 mm						
C – rectangle - 300x1200 mm						
Color temperature:						
2 = 2700K						
3 = 3000K						
4 = 4000K						
5 = 5700K						
6 = 6500K						
Cover type						
KN – microprizma PS						
KO – opal PS						
PCO – opal PC						
Modul						
Driver type:						
ND – no dimmable						
DALI – dimmable DALI						



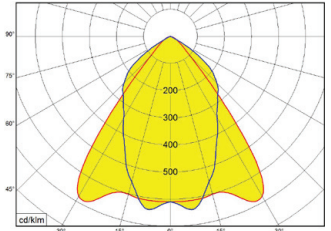
LAB	W	lm		modul 600		modul 625		C	kg
		KO	KN	A	B	A	B		
LAB3000A	23	3 100	3 200	596	596	622	622	85	5,0
LAB4000A	32	4 100	4 200						
LAB5000A	42	5 200	5 400						
LAB6000A	55	6 500	6 900	1 196	296	1 245	310		
LAB4000C	32	4 000	4 200						
LAB6000C	57	6 200	6 500						
LAB4000A / 90	32	3 400	3 500	596	596	622	622	85	5,0
LAB6000A / 90	55	5 300	5 700						

lm - luminaire light output

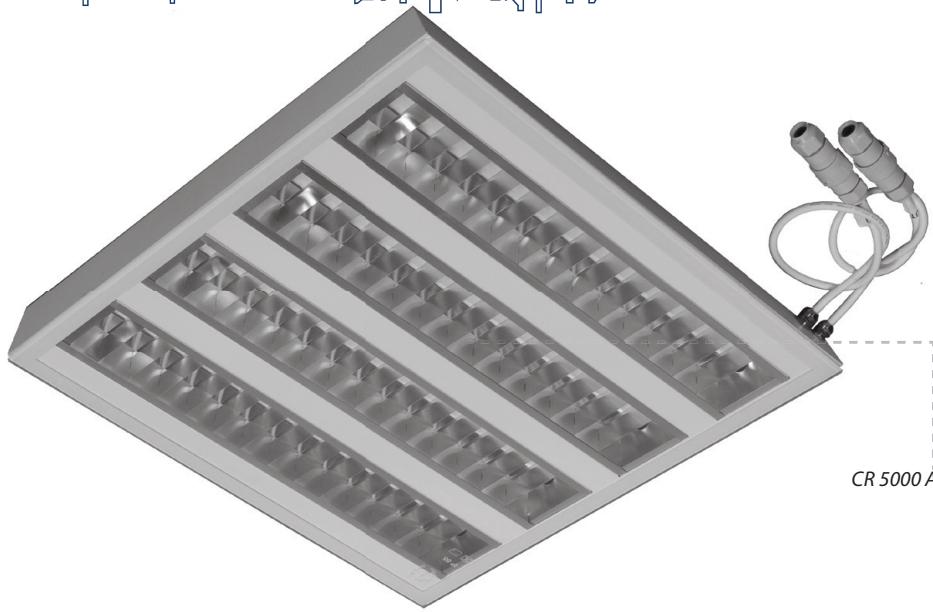
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

	LED	220 V 240 V 50-60 Hz	SDCM 3	DIMM 	CRI 80	CRI 90	IP 65
	UGR <19	EN 62 471 RG 0	EEC A+	80000 L80B50			

η_{ef} (lm/W)
110-116



CR 5000 A



CR 5000 A

Recessed LED fittings for clean rooms

Body:
White painted (antibacterial paint RAL 9003) metal sheet

Optic:
KVM – clear glass + double parabolic louvre category C2 of mat aluminium

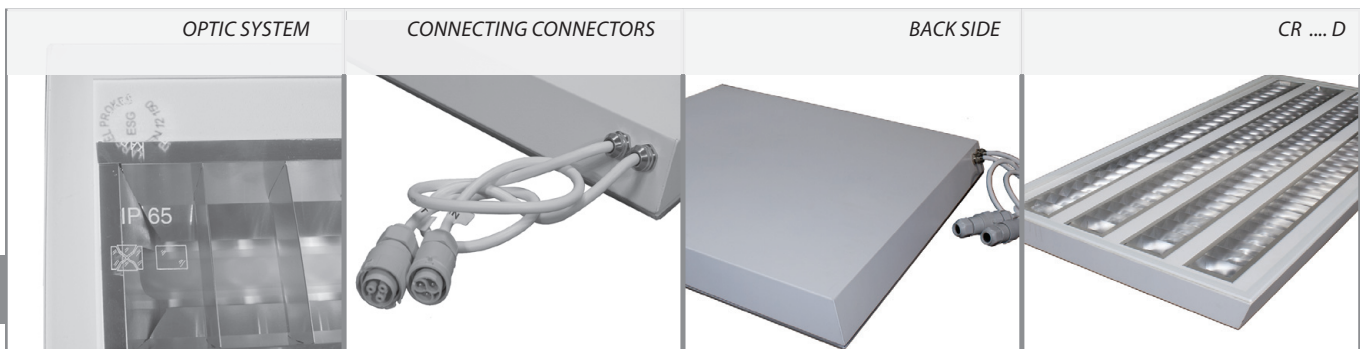
Application
- Recessed installation into false ceiling with visible supporting structure (both 600x600 or 625x625 modules)
Luminaires are installed without opening them, the connection to the mains is provided via external connectors in the luminaire body
The fixture can not be open - emergency module not available.
These LED fittings are recommended for laboratories and medical facilities with high demands on cleanliness

Variants:
600 – for 600 module
625 – for 625 module
C - complete antibacterial protection of the luminaire surface D - without antibacterial protection

Accessories:
QVESTRAM - a frame for recessed installation into gypsum plasterboard ceiling

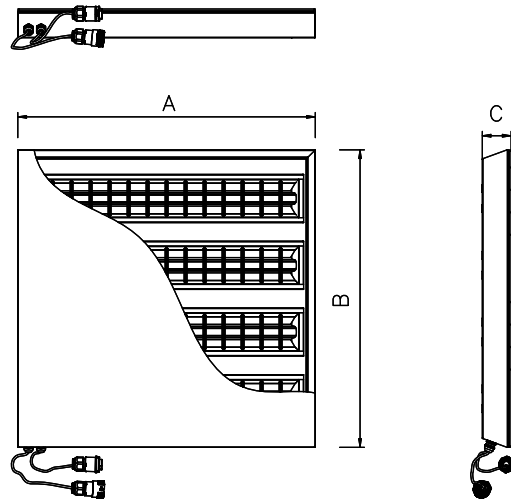
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	○	○	×	×
●	×	○	×	○	×	×	×	○

● default ○ optional × not possible



Code: CR5000A4KVM4C600ND

CR	5000	A	4	KV	4	C	600	ND	/90		
Luminaire type	Light output (lm)	Body shape A - square - 600x600 mm C - rectangle - 1200x300 mm D - rectangle - 1200x600 mm	Color temperature 2 = 2700 K 3 = 3000 K 4 = 4000 K 5 = 5700 K 6 = 6500 K	Optic type: KV - opal profile + louvre ALDP KVM - opal profile + louvre MAT	Nr of LED modules	Cover: C - clear glass, complete antibacterial protection of the luminaire surface D - clear glass, without antibacterial protection of the luminaire surface	Modul 600, 625	Driver type: ND - no dimmable DALI - dimmable DALI	CRI		



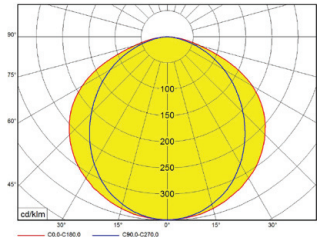
	W	lm	Modul 600		Modul 625		C	kg
			A	B	A	B		
CR5000A	43	5 000	596	596	622	622	57	8,7
CR5000C	43	5 000	1196	296	1245	310		8,6
CR10000D	100	11 000	1196	596	1245	622		16,5
CR5000A.../90	43	4 300	596	596	622	622		8,7
CR5000C.../90	43	4 300	1196	296	1245	310		8,6
CR10000D.../90	100	9 400	1196	596	1245	622		16,5

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
76-86



INL

Recessed indirect LED fittings

Body:
White painted metal sheet

Optic:
White painted matt reflectors

Application:
Recessed fitting for installation into gypsum plasterboard-type ceiling or into false ceiling with visible supporting structure (both 600x600 or 625x625 modules).

These LED fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

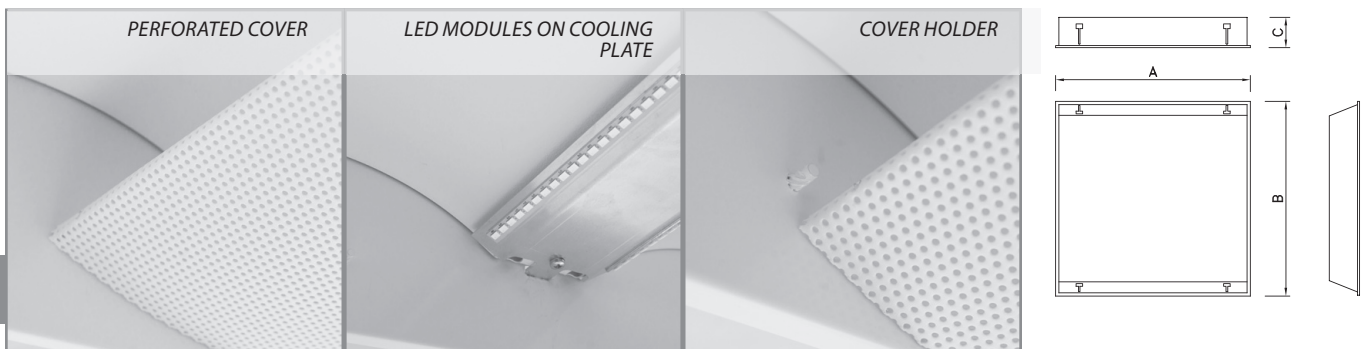
Accessories:
Fixing clips for installation into gypsum ceiling – 1000004004

	W	lm	Modul 600			Modul 625			C	kg
			A	B		A	B			
INLA1C /700	32	2 750	596	596		622	622		97	5
INLA1C /1050	50	3 800				602x602				

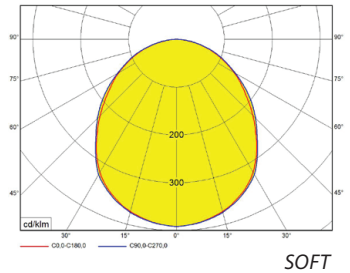
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	✗	○	✗	✗	✗	✗	✗	○

● default ○ optional ✗ not possible



SOFT



SOFT

Recessed LED fitting

Body:
White painted (RAL 9016) metal sheet

Optic:
Translucent acrylic desk
Opal and microprismatic cover

Version (body shape):
SOFT...600 – square into raster 600x600 mm
SOFT...625 – square into raster 625x625 mm

Installation way:
- recessed installation into modular ceiling 600 or 625 mm
- recessed installation into gypsum plasterboard ceiling using a mounting frame QVESTRAM
- surface (using SOFTRAM frame)

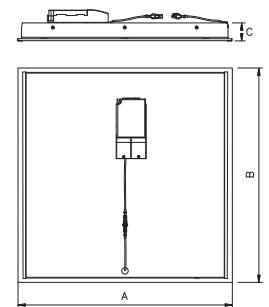
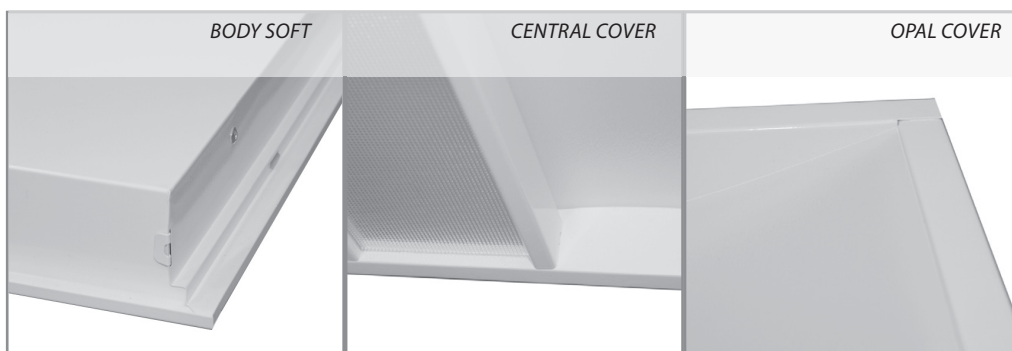
Accessories:
QVESTRAMA600 – for square fittings 600x600 mm
QVESTRAMA625 – for square fittings 625x625 mm
SOFTRAM600 - frame for surface installation
NM – independent emergency module

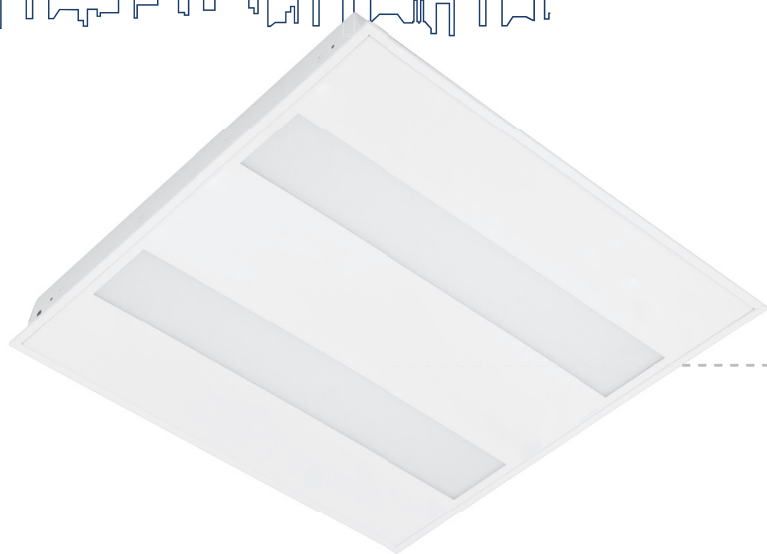
	W	lm	Modul 600		Modul 625		C	kg
			A	B	A	B		
SOFT3000A	33	3 200						
SOFT4000A	49	4 300	596	596	622	622	50	4,3

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●		○	○	○	○	✗	○	○

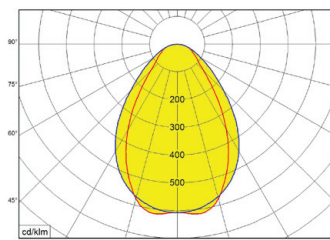
● default ○ optional ✗ not possible



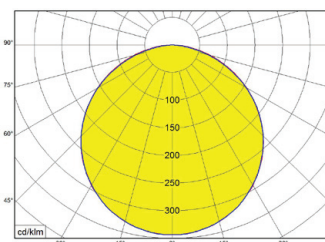


IDRA2KN

η_{ef} (lm/W)
112-124



ID KN



ID KO

Recessed LED fittings

Body:
White painted (RAL 9003) galvanized metal sheet

Optic:
 KO - opal PS cover
 KOY - opal PS with perforated cover
 KN - microprismatic PS diffusor
 KNY - microprismatic PS diffusor with perforated frame

Application:
 IDR - Recessed - lighting for installation into false ceiling with visible supporting structure (both 600x600 or 625x625 modules). The fixture can not be open - emergency module no available.
 IDS - Recessed - lighting for installation into gypsum plasterboard ceiling or into false ceiling with visible supporting structure (both 600x600 or 625x625 modules).

Versions:
 600 - for 600 module
 625 - for 625 module
 K - with GESIS connector
 F - with flexible cord

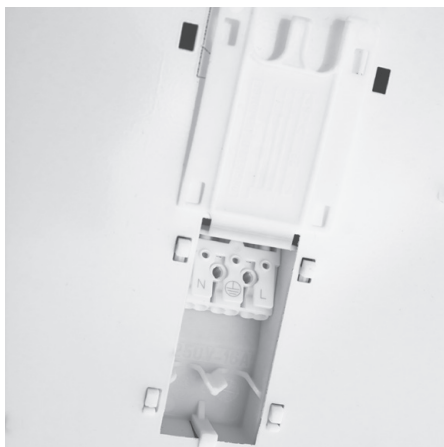
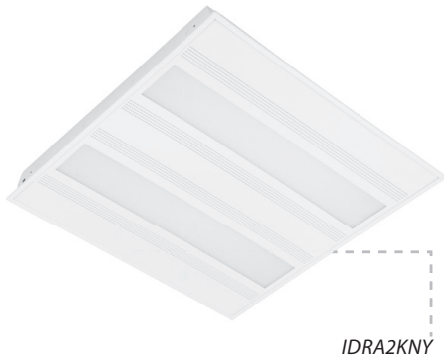
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	✗	○

● default ○ optional ✗ not possible

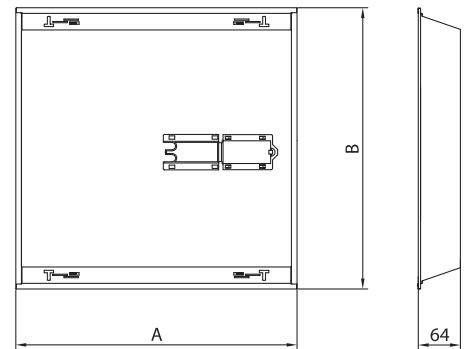


Codes: IDRA2KN3V1ND600/ 700ISO3

ID	R	A	2	KN	3	V1	ND	600	/700	ISO3
Luminaire type	Versions according to a ceiling type: R – into modular raster S – into gypsum	Body shape: A - square - 600x600 mm C - rectangle 1 200x300 mm	Nr of light strips	Cover type KO - opal cover KOY - opal perforated cover KN - mikroprizmatic cover KNY – nanoprizmatic cover perforated	Color temperature 3 = 3000K, 4 = 4000K,	Used LEDs	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI	Modul 600, 625	Driver: 350mA, 500mA, 700mA, 1050mA	Terminal board: ISO - external terminal ISODOM 3 poles, F – flexo, K - connector



TERMINAL ISO



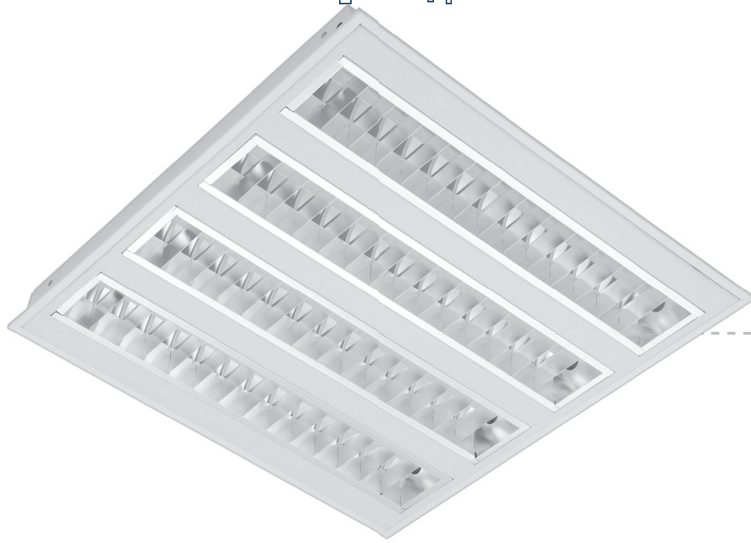
ID	W	lm		modul 600			modul 625			kg
		KO	KN	A	B		A	B		
ID_A_2_700	33	4 000	4 100	596	596	IDR x IDS 576x576	622	622	IDR x IDS 602x602	4,0
ID_A_2_1050	50	5 600	5 800							
ID_C_1_700	33	4 000	4 100	1 196	296	IDR x IDS 1176x276	1 246	310	IDR x IDS 1226x290	4,4
ID_C_1_1050	50	5 600	5 800							

lm - luminaire light output

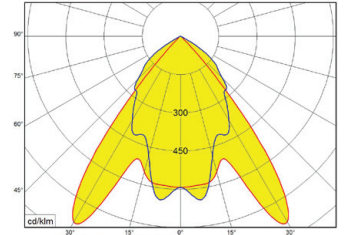
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

LED
 220/240 V 50-60 Hz
 SDCM 3
 DIMM
 IP 20
 CRI 80
 UGR <19
EN 62471 RGO
 EEC A+
 80000 L80B50

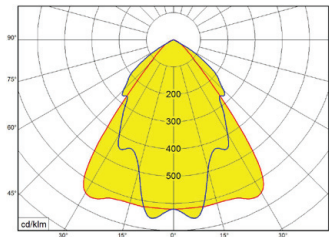
η_{ef} (lm/W)
109-122



ISRAC4



IS KV



IS KVM

Recessed LED fittings with optic system

Body:
White painted (RAL 9003) metal sheet

Optic:
KV – double parabolic louvre category C2 of highly polished aluminium, with opal cover of LED modules
KVM – double parabolic louvre category C2 of mat aluminium, with opal cover of LED modules

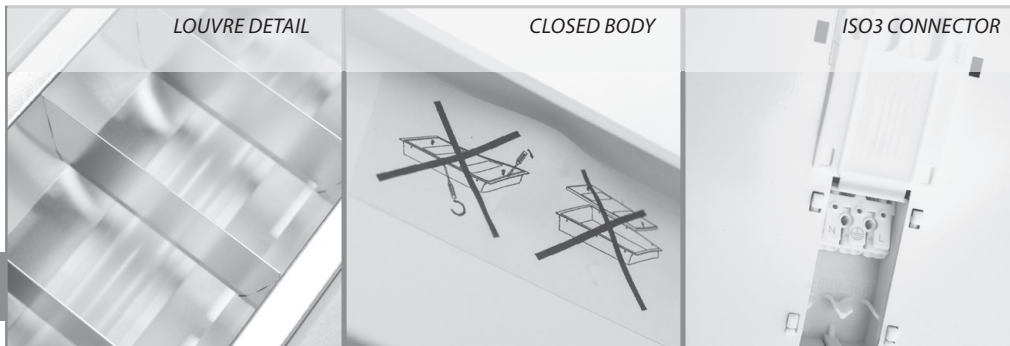
Application:
ISR - Recessed fitting for installation into false ceiling with visible supporting structure (both 600x600 or 625x625 modules)
ISS - Recessed fitting for installation into gypsum plasterboard ceiling or into false ceiling with visible supporting structure (both 600x600 or 625x625 modules).
These LED fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Accessories:
- fixing clips for installation into gypsum plasterboard - 1000004004 included in ISS packing

Versions:
600 – for 600 module
625 – for 625 module
K – with GESIS connector
F – with flexible cord

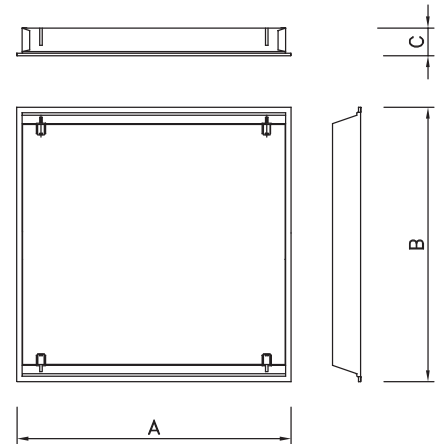
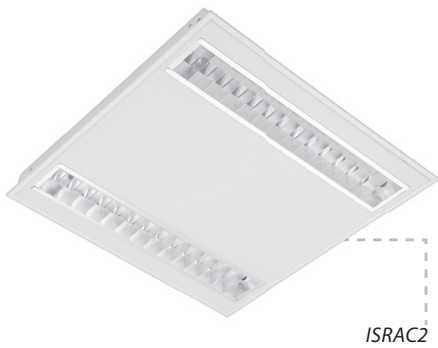
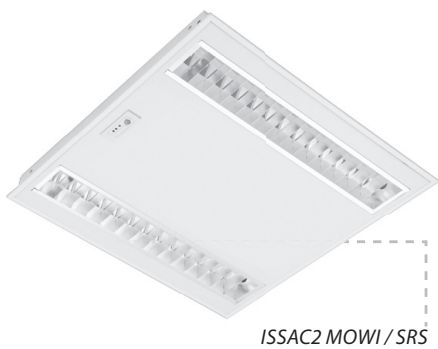
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	✗	○







● default ○ optional ✗ not possible



Codes: ISRAC4KV3V160/ND1400I3

IS	R	A	C4	KV	3	V1	60	/ND	1400	I3
Luminaire type	Versions according to a ceiling type: R – into modular raster S – into gypsum	Body shape: A - square - 600x600 mm C - rectangle - 1200x300 mm	Nr of high strips - config. C (see MODUS I T5)	Cover type: KV – opal profil + louvre ALDP KVM – opal profil + louvre MATDP	Color temperature 3 = 3000K, 4 = 4000K, MIXW - tunable white	Used LEDs	raster module: 60 = 600 62 = 625	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI	Driver: 1400mA, 1050mA	Terminal board: ISO - external terminal ISODOM 3 poles F – flexo, K - connector



IS	W	lm		Modul 600			Modul 625			C	kg
		KV	KVM	A	B		A	B			
IS_A C2_700	33	3 600	3 600	596	596	 ISR x ISS 576x576	622	622	 ISR x ISS 602x602	52	5,1
IS_A C4_1050	27	3 300	3 300								
IS_A C4_1400	37	4 300	4 300								
IS_C C2_1050	27	3 300	3 300	1 196	296	 ISR x ISS 1176x276	1246	310	 ISR x ISS 1226x290		
IS_C C2_1400	37	4 300	4 300								

lm - luminaire light output


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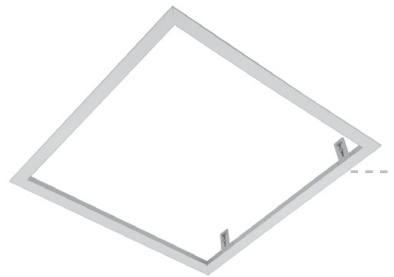
LED PANEL - ACCESSORIES



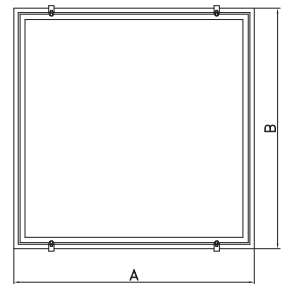
QVESTRAM

Frame for recessed installation of fittings into gypsum plasterboard ceilings
 White painted aluminium profile
 Fixation via clips with screws.

	A	B	C	
QVESTRAMA600	635	635	85,5	620x620
QVESTRAMA625	660	660		645x645
QVESTRAMB600	635	335		620x320
QVESTRAMC600	1235	335		1220x320
QVESTRAMC625	1285	360		1270x345
QVESTRAMD600	1235	635		1120x620
QVESTRAMD625	1285	660		1270x645
QVESTRAME600	335	335		320x320
QVESTRAMF600	1535	335		1520x320
QVESTRAMF625	1585	360		1570x345



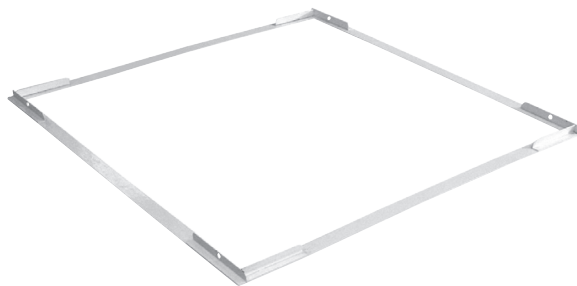
QVESTRAM A



QVESTRAM

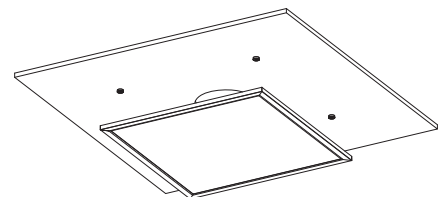
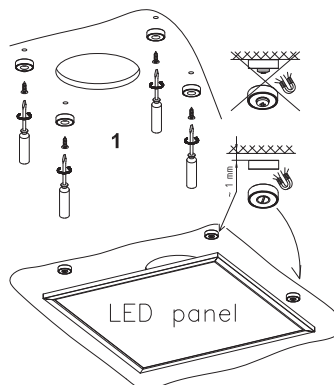
1064184000

Reduction frame for installing light fitting of module 600 into modular ceiling module 625



51009913

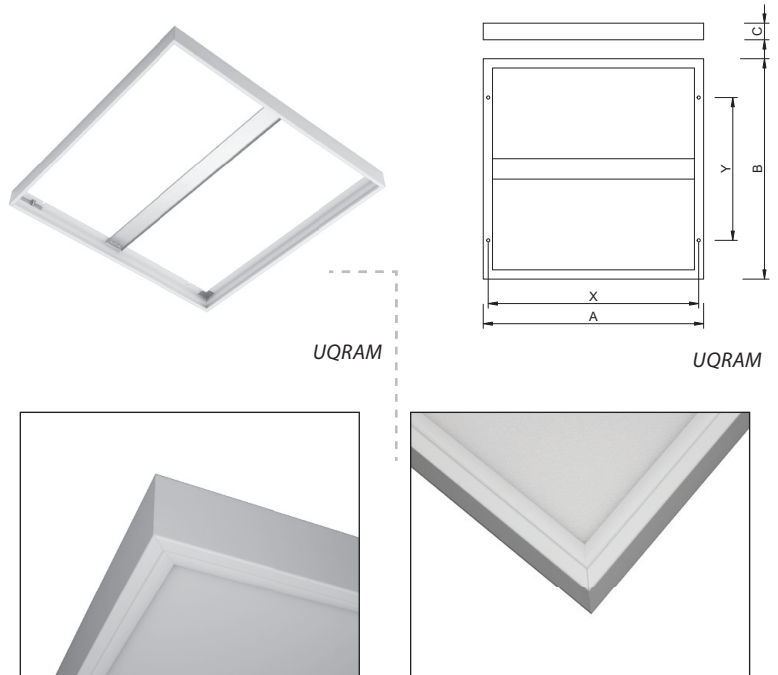
Magnetic holder for ceiling installation of Q, QN, UQ and FIT panels to a gypsum plasterboard ceiling
 For installation of A, B, C or E types are necessary 4pcs of holders for one panel, for types D and F 6pcs/panel.
 Not allowed to use for installation on vertical or inclined surfaces



UQRAM

Frame for surface installation of LED panels on solid ceilings
White painted aluminium profile
Usable for A, B or, E C, D shape of LED panels

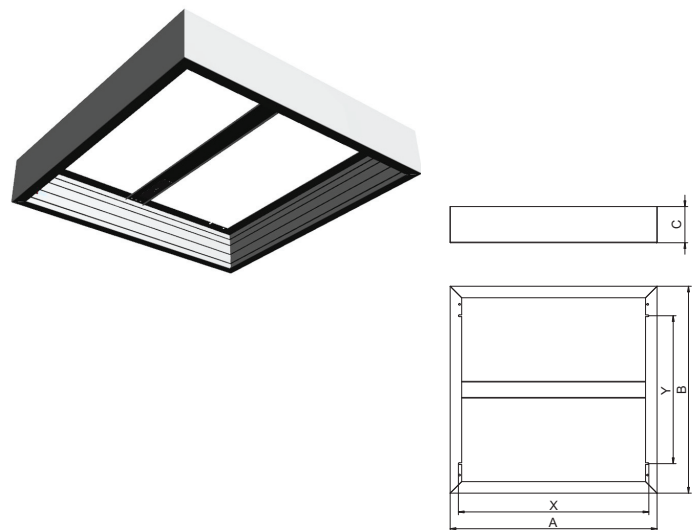
	A	B	C	X	Y
UQRAM A 600	603		48	575	450
UQRAM A 625	628			600	
UQRAM B 600	303	603		575	150
UQRAM C 600		1201		1175	
UQRAM C 625	318	1251		1225	165
UQRAM D 600	603	1201		1175	450
UQRAM E 600	303			275	150



RAM100

Universal frame for surface mounting of A and C shaped luminaires
White painted aluminum profile (optionally in other colors)

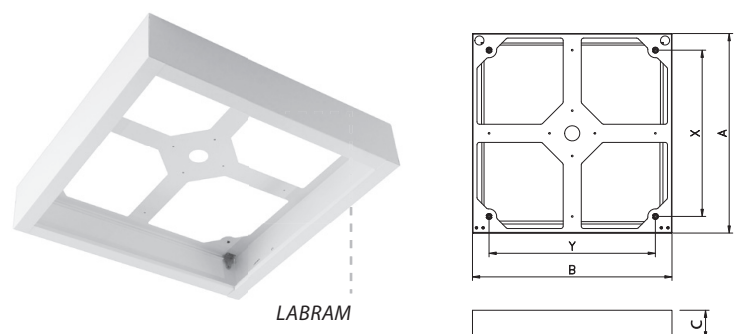
	A	B	C	X	Y
RAM100A600	630	630	110	574	450
RAM100A625	655	655		599	
RAM100C600	1227	329		1171	150
RAM100C625	1279	344		1196	



LABRAM

White painted metal frame for surface installation of LAB or IBP on solid ceilings.
Usable for fittings of A, C share.

	A	B	C	X	Y
LABRAMA600	660		143	550	550
LABRAMA625	685				
LABRAMC600	1250	350		1066	220
LABRAMC625	1300	364			

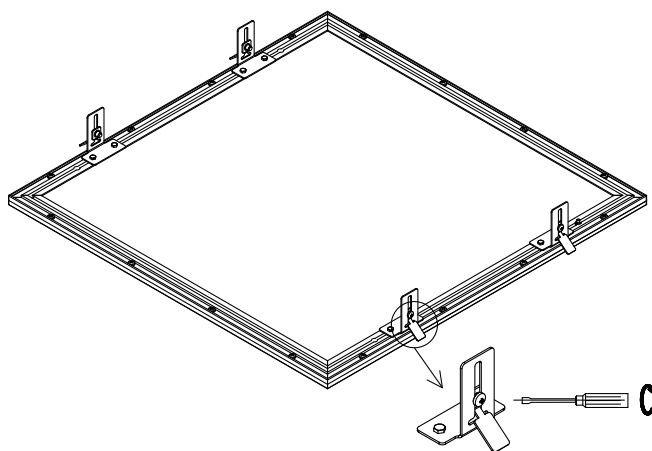


ATYPICAL WAYS OF INSTALLATION OF RECESSED LUMINAIRES

VESTSET

– set of clips for recessed installation of into modular ceiling with hidden profiles

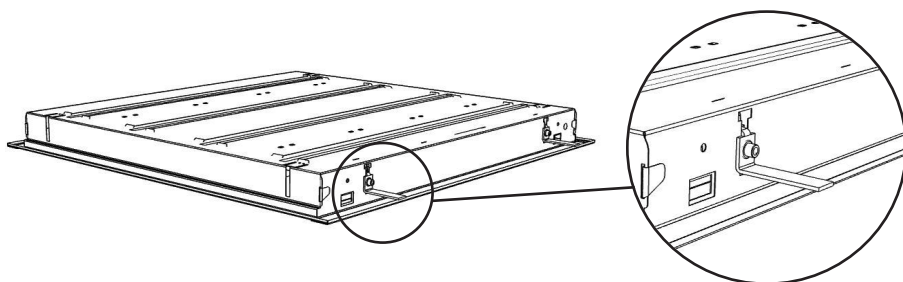
Available for MODUS Q, QN, and FIT



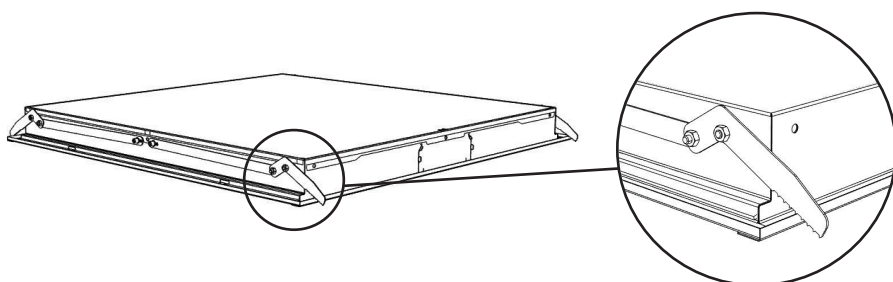
Modification of luminaires for installation

into suspended ceilings with hidden load-bearing profiles
– individual solutions according to customer requirements

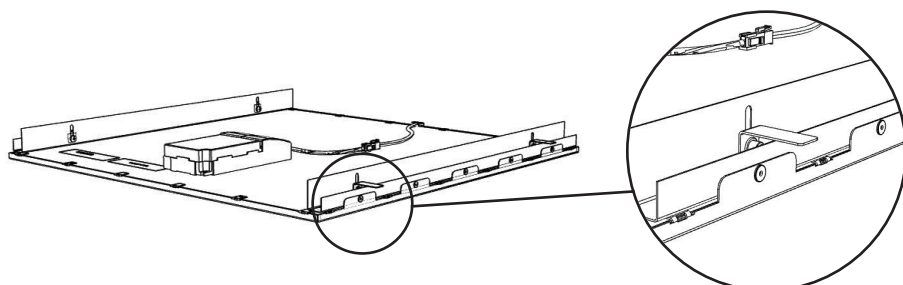
S147 A



S147 B



S147 C



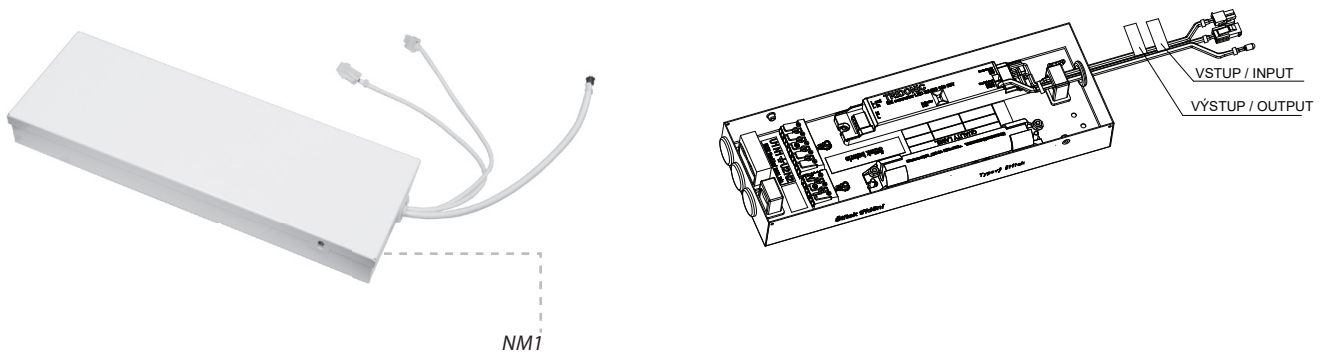
NM

Covered emergency module for recessed fittings with an independent driver

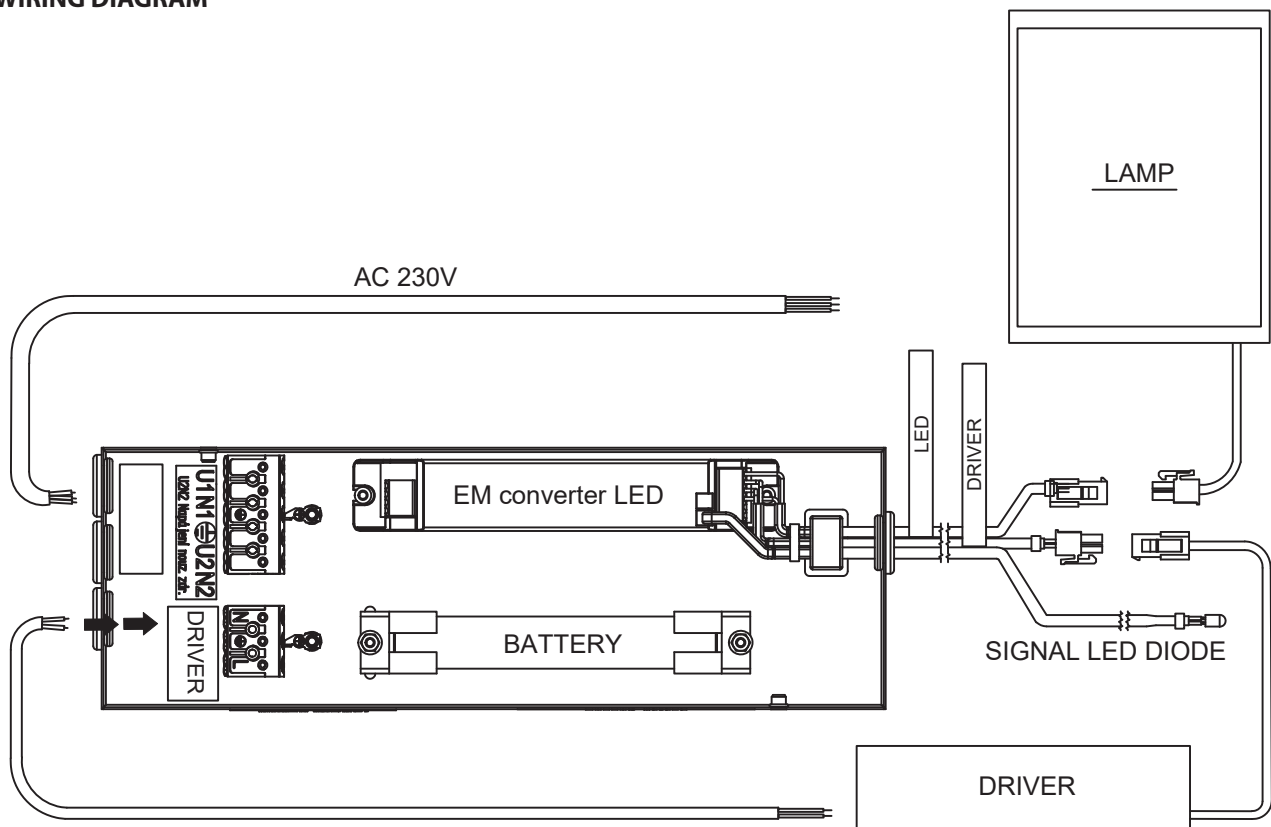
NM/EM203/1 ... 1 hours
NM/EM203/3 ... 3 hours

Usable for:
Q+QN, (A,B,C), US, UQ, SPMI, SPMN, SPMS, DS, FIT, SOFT, EB, EC, ED
Optional NiCd or NiMH batteries

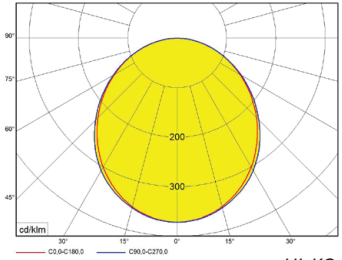
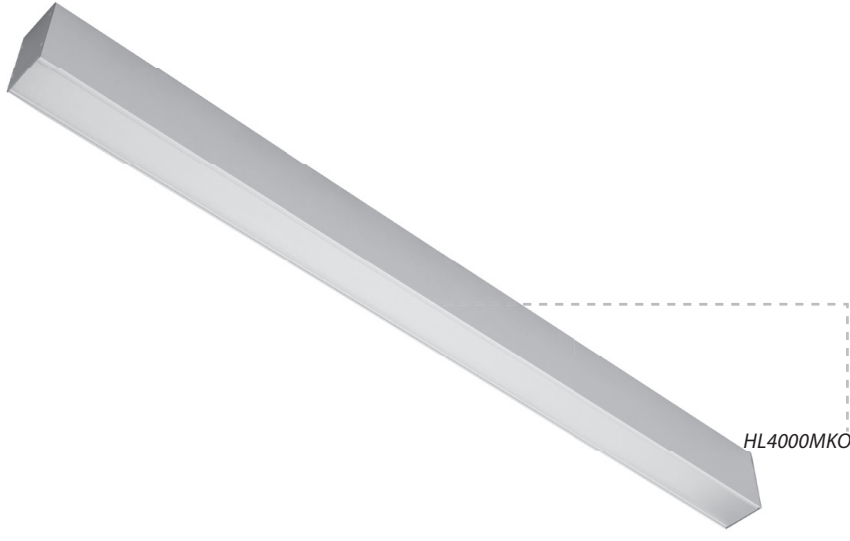
Box dimensions:
AxBxC = 340x120x50 mm



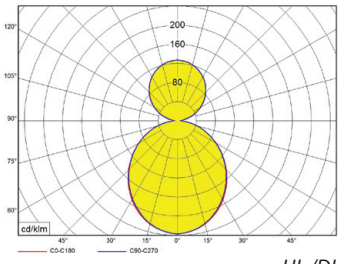
WIRING DIAGRAM



η_{ef} (lm/W)
117-138



HL KO



HL/DI

Pendant LED fittings

Body:
Aluminium profile finished in RAL9006, also available in white or black on request

Optic:
KO - opal cover ACRYL SATINE
KN - microprismatic PS cover

Application:
Slim aluminium linear fittings for direct or direct/indirect light distribution. Possible installation to the row (version /R) with continuous assembly. Should be installed as pendant (pendant set included) or as surface mounted luminaire. Intended to illumination of representative work places or decorative lighting.

Variants:
HL - single pendant luminaire, direct
HLP - single luminaire for surface installation, cannot be connected into rows.
HL/DI - single pendant luminaire, direct / indirect
HL/R - direct pendant luminaire for installation to straight rows

Note:
Cord suspension set included in the fitting for HL and HL/R. Fittings H can be produced in modification enabling join them into straight row. In this case are luminaires delivered with connecting endcaps, with through wiring with connectors. The row can be compiled by START, CONT and END fittings

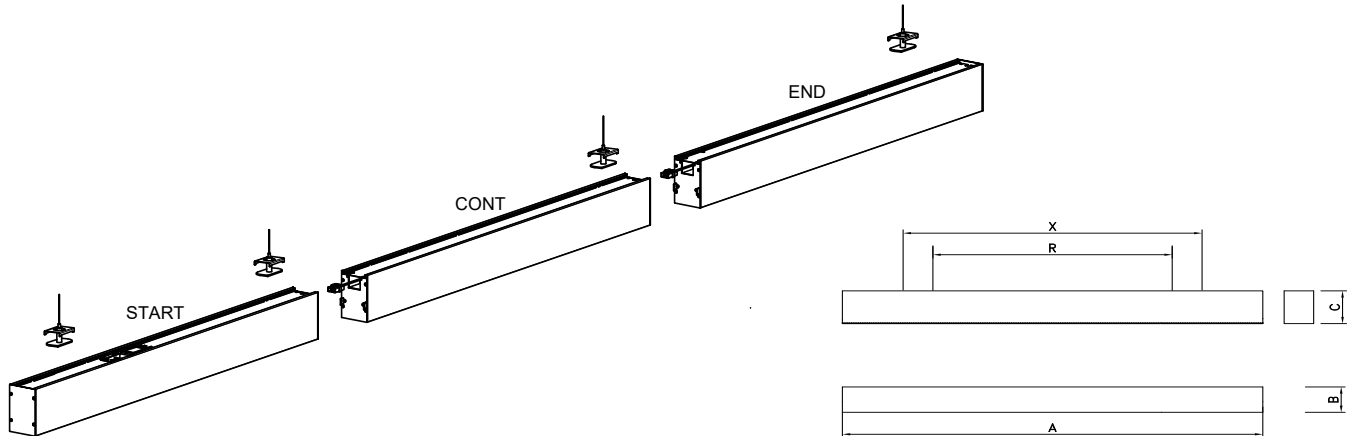
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	○	○
●	○	○	○	○	✗	○	✗	✗

● default ○ optional ✗ not possible



Codes: HL3000MKO4/ND

HL	3000	M	KO	4		/ND
Luminaire type HL = pendant HLP = surfaced	Luminaire light output (lm)	Body length: S = 600 mm M = 1200 mm L = 1500 mm	Cover type: KO - opal PS cover KN - microprismatic PS cover	Color temperature: 3 = 3000K 4 = 4000K	Version: DI = direct-indirect R = to line assembly	Driver type: 700mA, 1050mA ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI



HL	W	lm	A	B	C	R	kg
HL 2000S KO	16	2 000	592	66	100	260 - 550	2,0
HL 3000S KO	24	2 800					
HL 3000M KO	23	3 100	1185			705 - 1145	4,0
HL 4000M KO	33	4 200					
HL 5000M KO	40	5 000					
HL 6000M KO	48	5 900	1485			705 - 1445	5,0
HL 4000L KO	33	4 500					
HL 5000L KO	42	5 400					
HL 8000L KO	64	8 200					

HLP	W	lm	A	B	C	X	kg
HLP 2000S KO	16	2 000	592	66	100	400	2,0
HLP 3000S KO	24	2 800					
HLP 3000M KO	23	3 100	1185			1000	4,0
HLP 4000M KO	33	4 200					
HLP 5000M KO	40	5 000					
HLP 6000M KO	48	5 900	1485			1300	5,0
HLP 4000L KO	33	4 500					
HLP 5000L KO	42	5 400					
HLP 8000L KO	64	8 200					

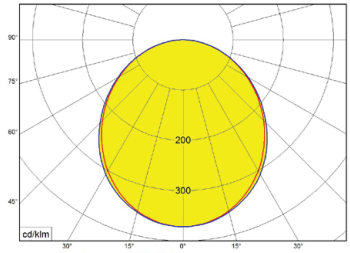
HL...DI	W	lm	A	B	C	R	kg
HL 3000M DI KO	37	5 100	1185	66	100	1000	4,5
HL 4000M DI KO	47	6 200					
HL 4000L DI KO	47	6 500	1485			1300	5,5
HL 5000L DI KO	65	7 900					

lm - luminaire light output

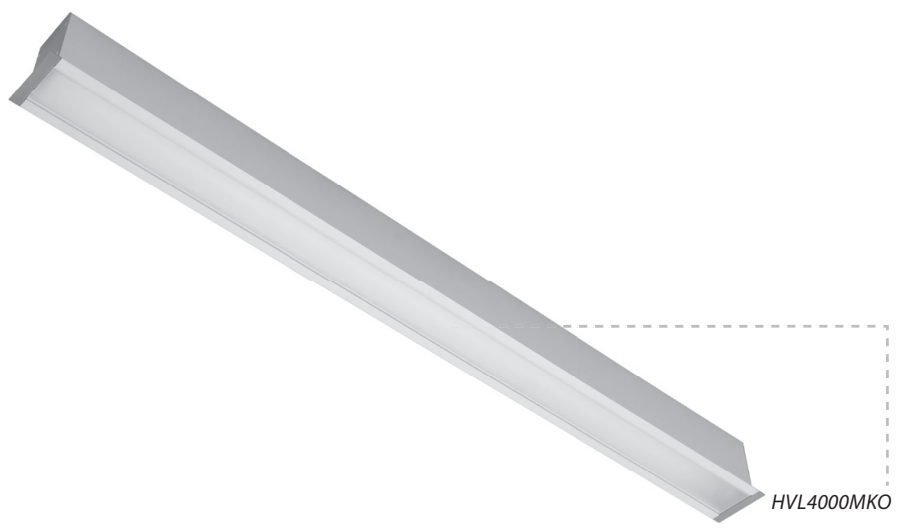
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
122-136



HVL KO



HVL4000MKO

Recessed LED linear fittings

Body:
Aluminium profile finished in RAL9006, also available in white or black on request

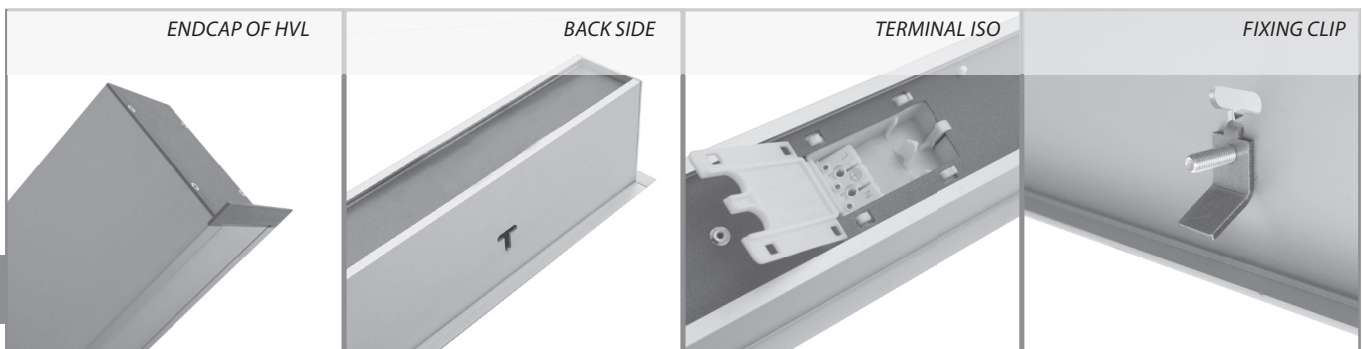
Optic:
KO - opal cover ACRYL SATINE
KN - microprismatic PS cover

Variants:
HVL – recessed luminaire for single installation into gypsum plasterboard ceiling
HVL /R - recessed installation for linear installation into rows. A row is completed from START, CONT and END fittings.

Note:
Fittings HVL can be produced in modification enabling join them into straight row. In this case are luminaires delivered with connecting endcaps, with through wiring with connectors.
The row can be compiled by START, CONT and END fittings

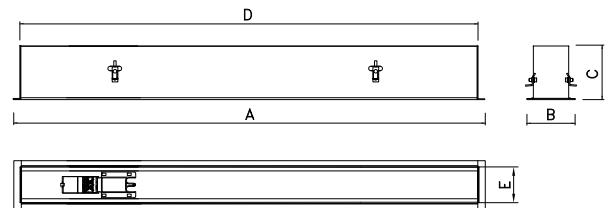
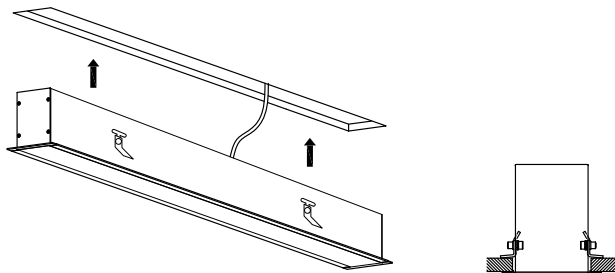
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	○	○
●	○	○	○	○	✗	✗	✗	✗

● default ○ optional ✗ not possible



Codes: HVL3000MKO4/ND

HVL	3000	M	KO	4		/1050ND
Luminaire type	Luminaire light output	Body length S= 600 mm M=1200 mm L= 1500 mm	Cover type KO = opal	Color temperature 3=3000K, 4=4000K	R - possibility of mounting in a row	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI

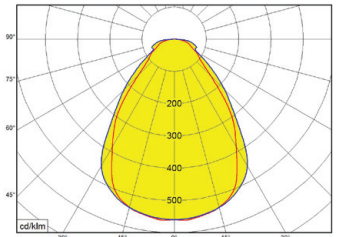
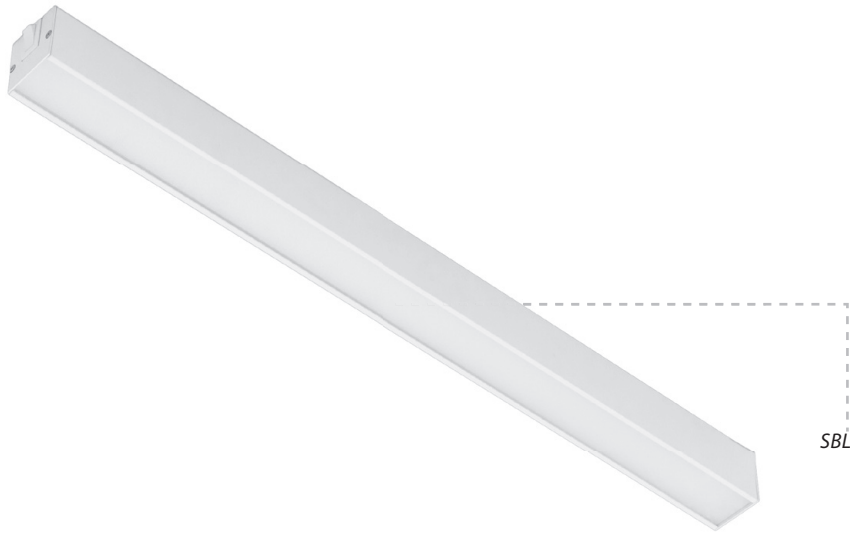


	W	lm	A	B	C		D	E	kg	
HVL 2000S KO	16	2 000	596	90	100		580x70	575	2	
HVL 3000S KO	24	2 800								
HVL 3000M KO	23	3 100	1196				1180x70	1175	66	3,8
HVL 4000M KO	33	4 200								
HVL 5000M KO	40	5 000								
HVL 6000M KO	48	5 900	1496				1480x70	1475	66	5,0
HVL 4000L KO	33	4 500								
HVL 5000L KO	42	5 400								
HVL 8000L KO	64	8 200								

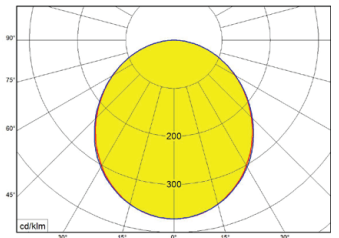
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

LED	220 240 V 50-60 Hz	SDCM 3	IP 20	CRI 80
EN 62 471 RG 0	EEC A+	80000 L80B50		
η_{ef} (lm/W) 87-106				



SBL KN



SBL KO

LED luminaires

Body:
Eloxal or painted aluminium profile – see page 91 for available colors

Optic:
KN - microprismatic cover
KO - opal PS cover

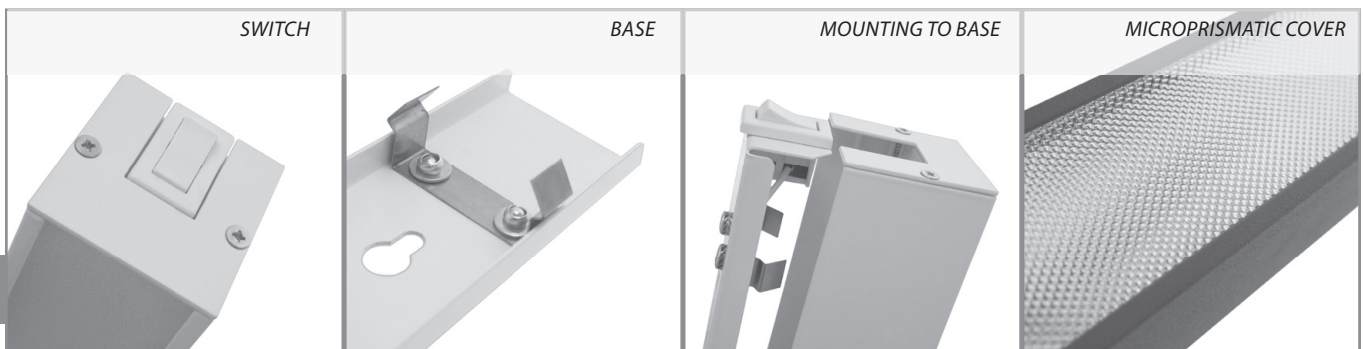
Versions:
SBL ... luminaire with a switch, Elox surface
SBL /B ... white painted luminaire
SBL /R ... luminaire for installation to a line
SBL /X ... without switch

Application:
Luminaire for general using in residential or common space
Can be installed into straight or oblique lines.

Accessories:
SBLSP0JK - connection part - cross, for SBL/R, incl. wiring, elox
SBLSP0JP - straight connection part, for SBL/R, elox
SBLSP0JR - connection part - oblique 90dg., for SBL/R, incl. wiring, elox
SBLSP0JT - connection part - T shape, for SBL/R, incl. wiring, elox
Connection parts are not equipped with LED chips – they are not lit.
ZH/UNI4 - suspension set (2 hanging points – one set for 2 luminaires)

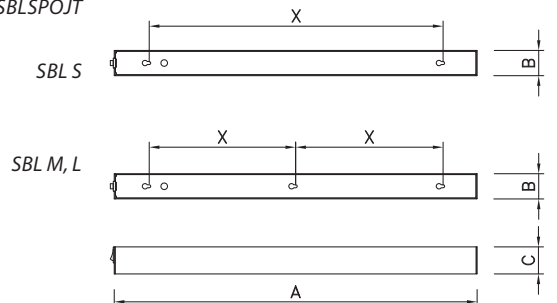
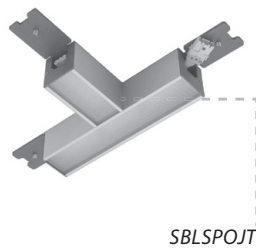
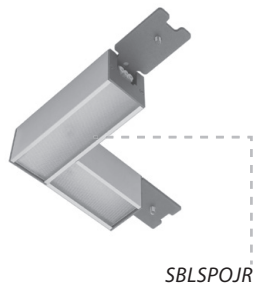
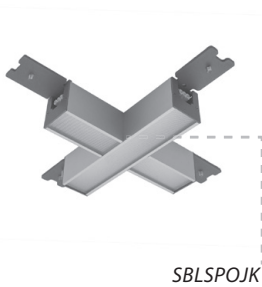
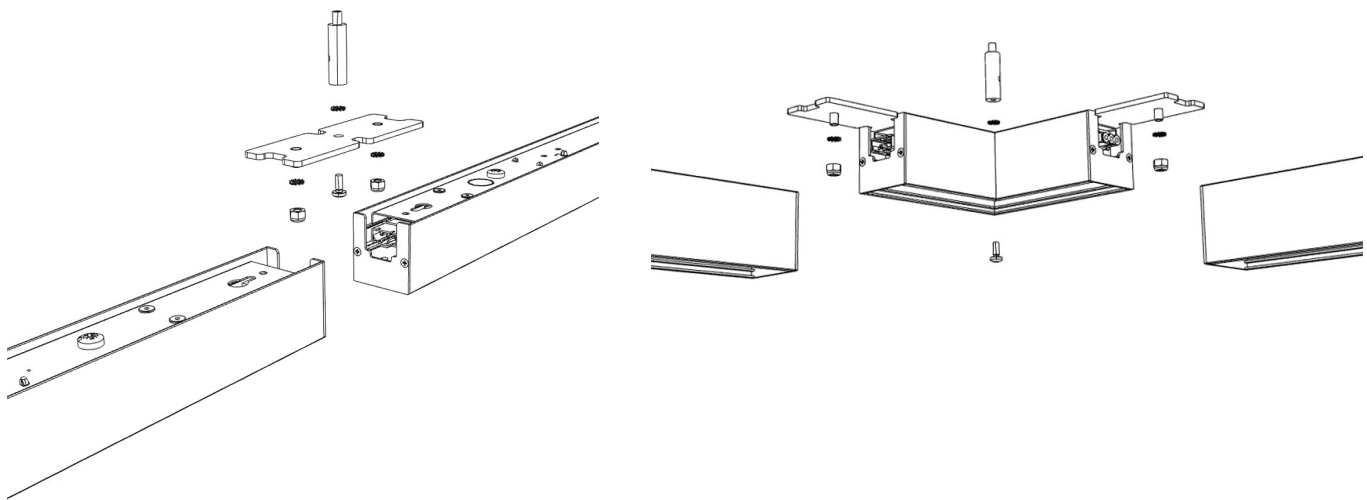
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	○	○	✗	✗	✗	✗	✗	✗

● default ○ optional ✗ not possible



Codes: SBL4000LKN3/B/R

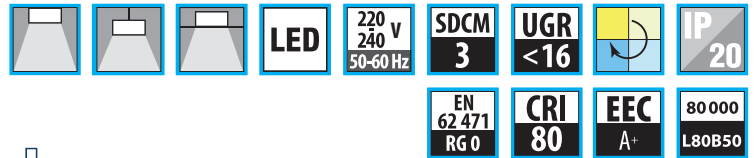
SBL	4000	L	KN	3	/B	/R
Luminaire type						
Light output						
body length:						
S = 600 mm						
M = 1200 mm						
L = 1500 mm						
Cover:						
KN - microprismatic						
KO - opal PS cover						
Color temperature						
3 = 3000K,						
4 = 4000K,						
Modification						
X = without switcher						
B – white						
C – black						
Assembly to row						



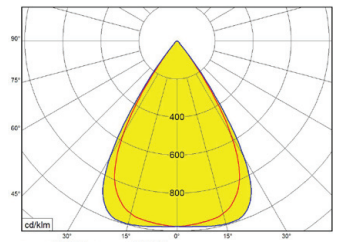
SBL	W	lm		A	B	C	X	kg
		KO	KN					
SBL1500S	15	1 300	1 500	605	42	45	490	0,9
SBL3000M	29	2 700	3 000	1 185			545	1,2
SBL4000L	35	3 300	3 700	1 485			693	1,5

lm - luminaire light output

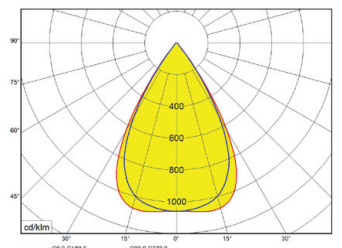
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



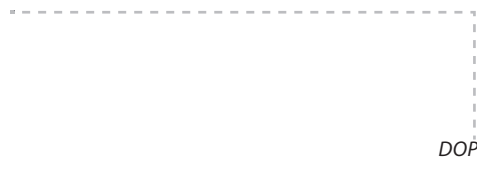
η_{ef} (lm/W)
118-142



DOP B80



DOP B50



Dark optic linear fittings

Body:
Painted aluminium profile – see page 91 for available colors

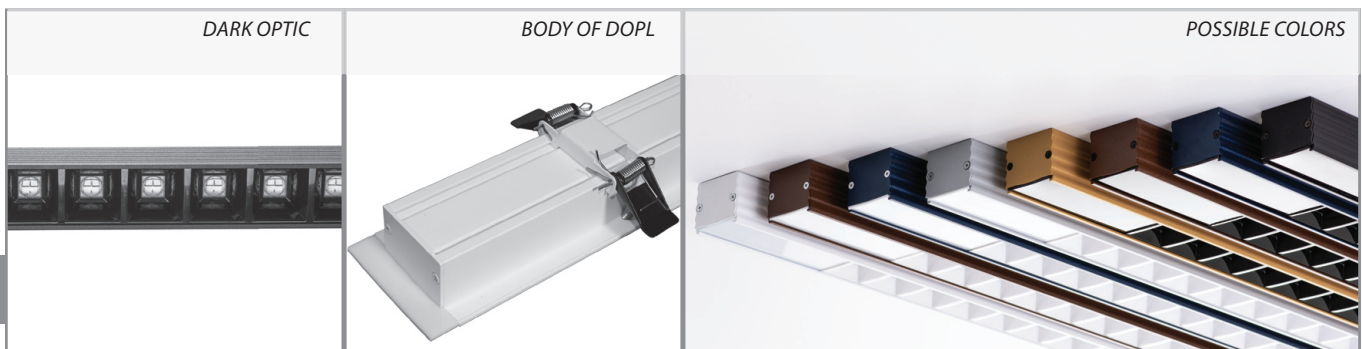
Optic:
PC reflector + clear PMMA lenses
B50 - white reflector with lenses 50°
B80 - white reflector with lenses 80°
C50 - black reflector with lenses 50°
C80 - black reflector with lenses 80°

Variants:
DOP – surface / pendant luminaire
DOPL – recessed luminaire into gypsum plasterboard ceiling

Accessories:
DOPZAVES - suspension set with a power cable
(must be ordered separately – doesn't included in standard DOP packing)

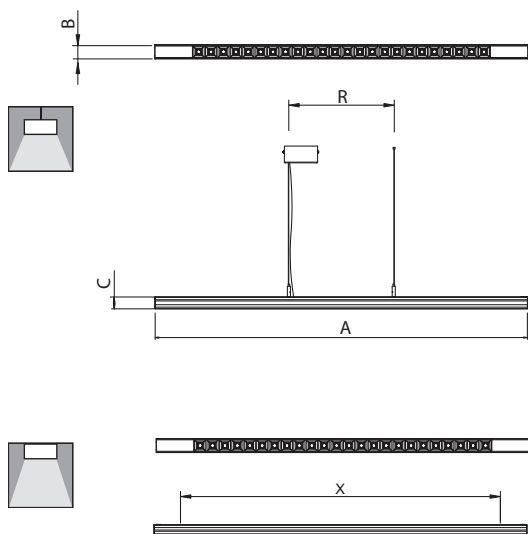
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	✗	○	○	✗	○	✗	✗	✗

● default ○ optional ✗ not possible

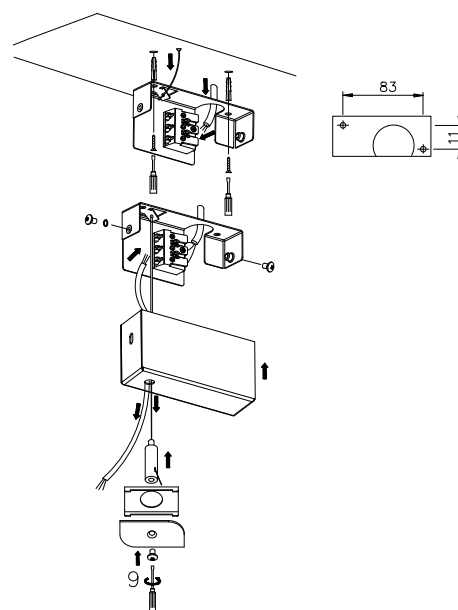


Codes: DOP2000M4CC80/ND

DOP	2000	M	4	C	C80	/ND
Luminaire type DOP – surface / pendant fitting DOPL – recessed fitting	Light output	Body length: M = 1200mm	Color temperature 2 = 2700K 3 = 3000K, 4 = 4000K, MIX – tunable white	Body color C = black B = white G = grey	Optic C = black B = white 80° 50°	Wiring: ND – no dimmable DALI – dimmable DALI BT – bluetooth control DALI PW – DALI + power supply BT+SM – bluetooth control + MW sensor PIR – infrared sensor



DOPZAVES ASSEMBLY

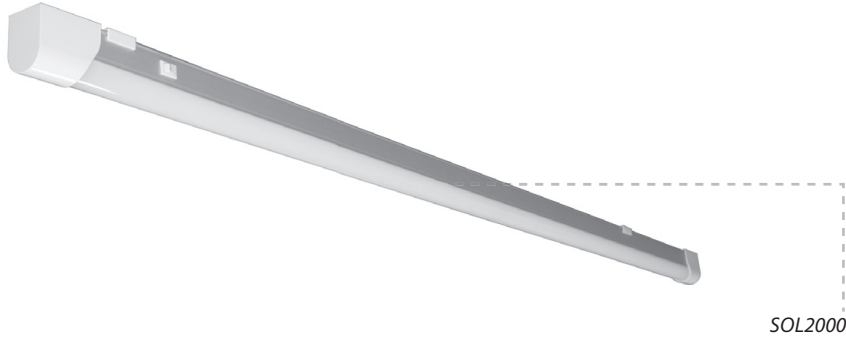


DOP	W	lm		A	B	C	X	R	kg
		B50, B80	C50, C80						
DOP1000	10	1 400	1 300	1200	45	40	1180	200-1100	1,5
DOP2000	17	2 200	2 000	1200	45	40	1180	200-1100	1,5
DOP3000	24	3 400	3 100	1200	45	40	1180	200-1100	1,5

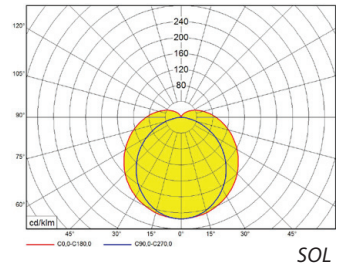
DOPL	W	lm		A	B	C	□	kg
		B50, B80	C50, C80					
DOPL1000	10	1 400	1 300	1230	70	40	60x1210	1,7
DOPL2000	17	2 200	2 000	1230	70	40	60x1210	1,7
DOPL3000	24	3 400	3 100	1230	70	40	60x1210	1,7

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
110-114



LED luminaires with switcher

Body:
Eloxal aluminium profile

Optic:
Opal cover

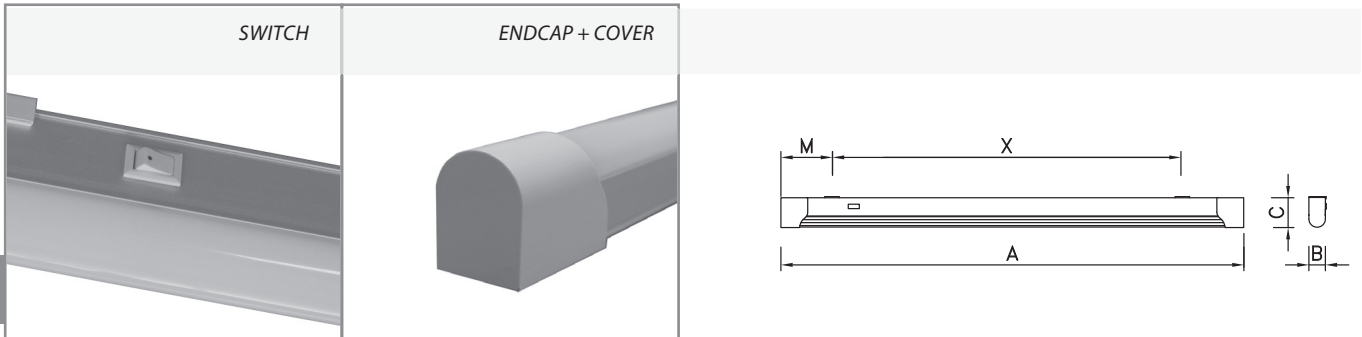
Application:
Wall-mounted luminaire for general using in residential or common space
Connection by screw terminal block

	W	lm	A	B	C	M	X	kg
SOL1000 S	11	1 250	600	32	43	70	300 - 460	0,25
SOL2000 M	20	2 200	1200				400 - 1050	0,40

lm - luminaire light output

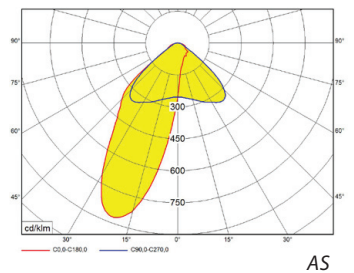
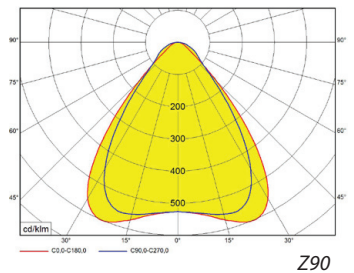
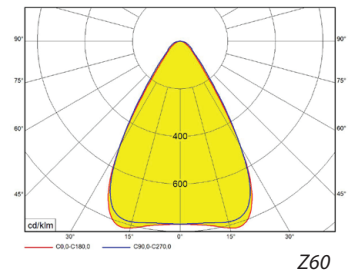
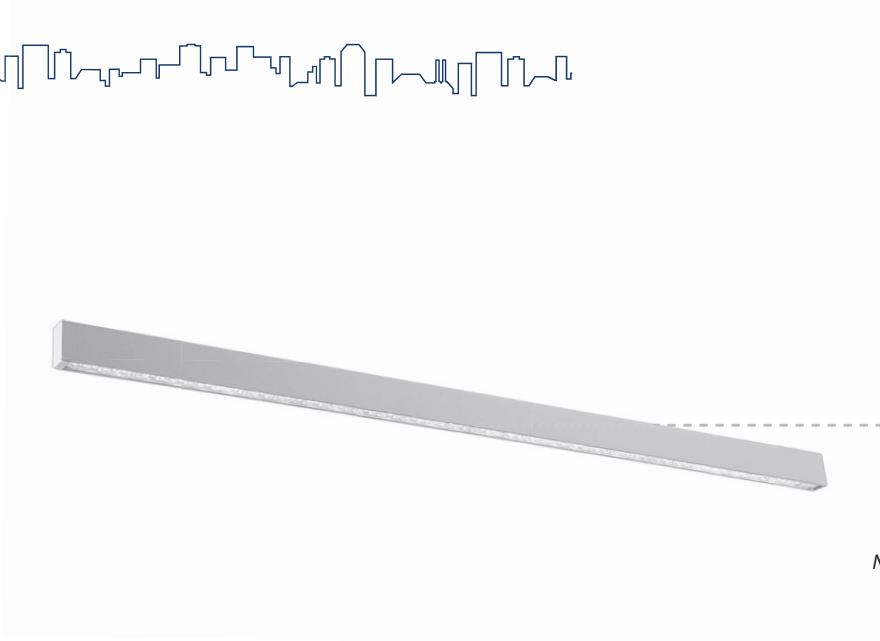
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	×	×	×	×	×
●	×	×	×	×	×	×	×	×

● default ○ optional × not possible





η_{ef} (lm/W)
141



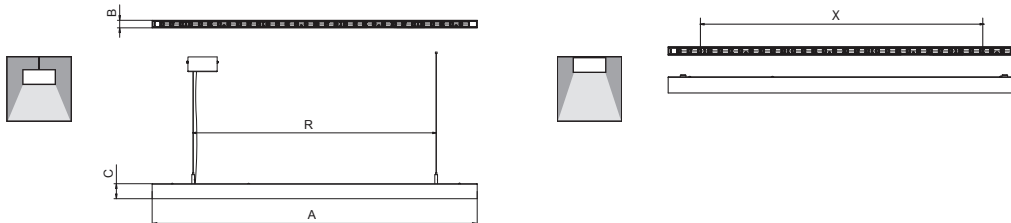
Linear fittings with optic

Body:
White or black painted metal sheet

Optic:
Clear PMMA optic
Z60 – narrow beam 60°
Z90 – wide beam 90°
ZAS – asymmetric

Application:
Surface or pendant installation

Accessories:
NARZAVES - suspension set with a power cable



	W	lm	A	B	C	R	X	kg
NAR2000S	13	1900	630	28	55	570	560	2,0
NAR4000M	27	3 800	1190			890	1090	2,5

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	✗	○	○	✗	✗	✗	✗	✗

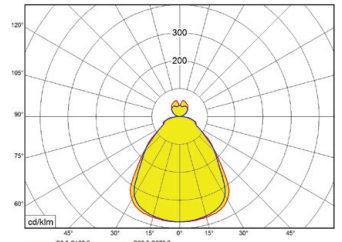
● default ○ optional ✗ not possible



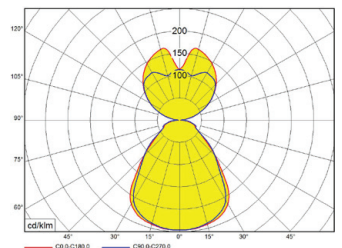


-
- LED**
- 220
240 V**
50-60 Hz
- SDCM**
3
-
- IP**
20
- CRI**
80
- EEC**
A+
- EN**
62471
RG 0
- 80000**
L80B50

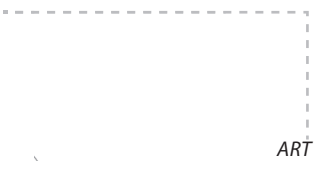
η_{ef} (lm/W)
86-118



ART5000 DI18



ART5000 DI15



Pendant direct/indirect LED fittings

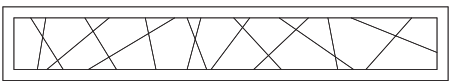
Body:
Grey (RAL 9006) painted aluminium frame, metal ceiling gear box
See page 77 for another available colors

Optic:
Translucent acrylic layer + microprismatic or opal cover

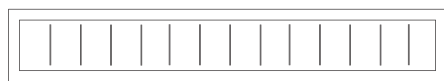
Installation:
Pendant assembly, suspension set included

Note:
A translucent layer can be completed with customized design

ART Dekor A

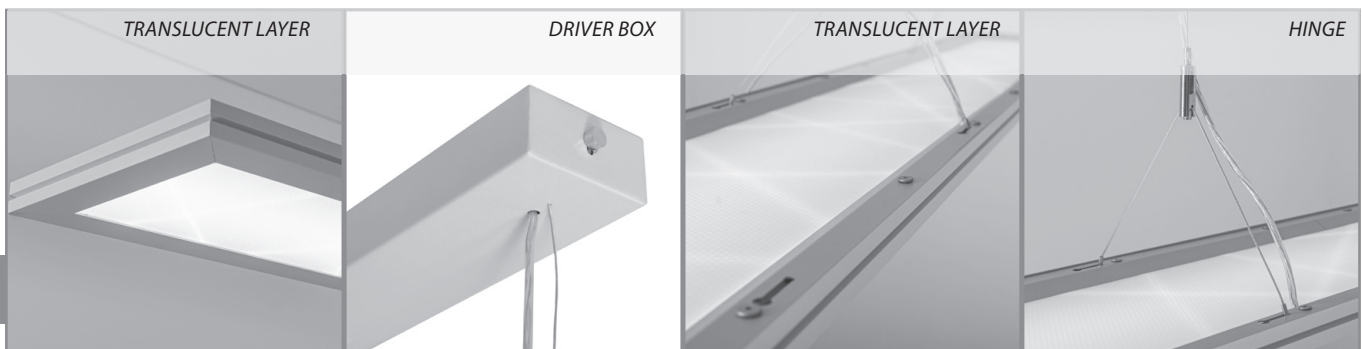


ART Dekor B



2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	○	✗
●	○	○	○	○	○	✗	✗	✗

● default ○ optional ✗ not possible

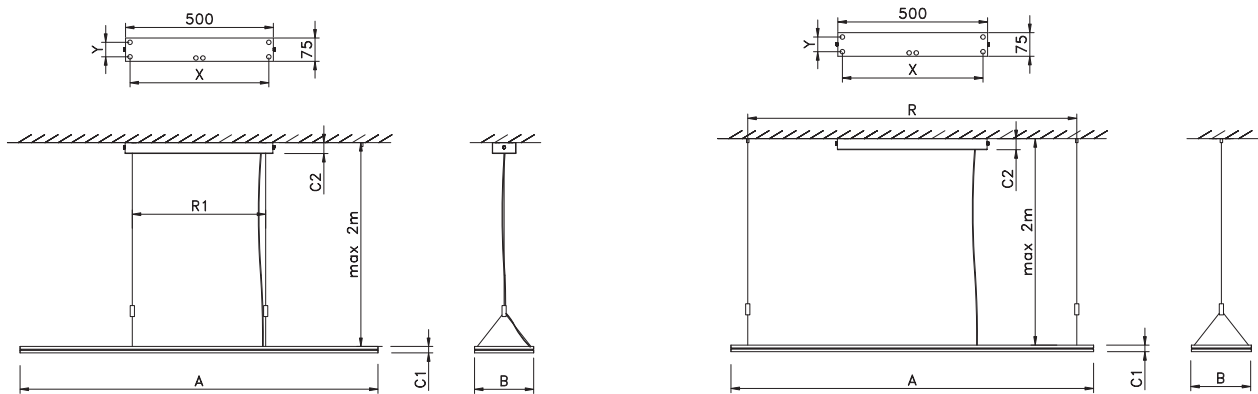


Codes: ART5000DI18M3GPNA/DALI

ART	5000	DI18	M	3	G	P	N	A	/DALI
Luminaire type pendant									
Light output									
control:		DI18 – 1CH control, 80% direct DI15 – 1CH control, 50% direct DI2 – 2CH control RGB – RGB indirect MIXW - tunable white							
body length:			M = rectangle 1210x200 mm						
Color temperature				3 = 3000K, 4 = 4000K, 5 = 5700K					
Frame color					W = white B = black G = grey				
Driver box assembly:						P = surface V = recessed			
Cover							N – prizma O – opal		
Decor:									
Driver type:									ND – no dimmable DALI – dimmable DALI

Versions of fittings:

ART		polar	direct	indirect	control
ART	Only direct light		100%	0%	ON/OFF DALI
ART.... DI18	1 channel wiring, direct light 80% / indirect light 20%		80%	20%	ON/OFF DALI
ART.... DI15	1 channel wiring, direct light 50% / indirect light 50%		50%	50%	ON/OFF DALI
ART.... DI2	2 channels wiring, direct light 0 -50% / indirect light 0 - 50%		0% -50%	0% -50%	ON/OFF DALI BT
ART.... RGB	white direct + RGBW indirect		0% -50%	0% -50%	BT RGB
ART.... MIXW	2 channels wiring, direct light 0 -50% / indirect light 0 - 50%, tunable white		0% -50%	0% -50%	DALI TW BT TW
ARTSRS	PHILIPS EASY AIR system included		0% -50%	0% -50%	EASY AIR



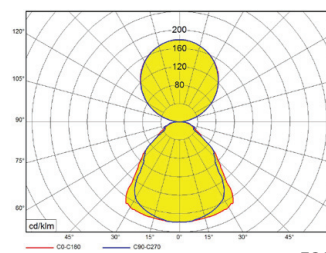
	W	lm	A	B	C1	C2	X	Y	R	R1	kg
ART 5000 DI 1	45	5300	1210	200	22	37	440	45	1030	440	5
ART 7000 DI 1	75	7400									5,2
ART 5000 DI 2	50	4800									
ART 5000 DI 2 MIXW	44	3800									

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
112



FSQ

Free-standing LED fitting

Body:

aluminium profile, steel base finished in grey RAL9006, also available in white or black on request

Optic:

Microprismatic / Opal cover
Direct / indirect light distribution

Application:

Free-standing luminaires can be positioned in any location in the room, at any position relative to the task area
Luminaire height 2m

Functions:

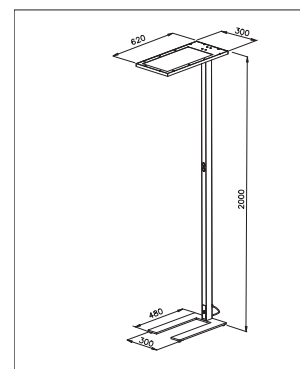
Touch dim + Proportional switch - to change a ratio of direct and indirect light
Indirect/direct light can be switched/dimmed separately
FSQ.../SC - fitting with integrated light sensor

	W	lm	kg
FSQ6000RS4KNDI/TD	52	5 800	10
FSQ8000RS4KNDI/TD	80	8 500	10

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	○	✗	✗
✗	✗	●	○	✗	○	✗	✗	●

● default ○ optional ✗ not possible



QN DI



LED

220
240 V
50-60 Hz

SDCM
3

DIMM

IP
20

CRI
80

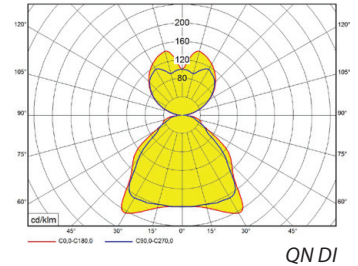
EEC
A+

EN
62 471
RG 0

UGR
<19

80 000
L80B50

η_{ef} (lm/W)
104-141



Pendant direct/indirect LED panel

Body:
Eloxal aluminium frame, metal ceiling gear box, see page 77 for another available colors

Optic:
Translucent acrylic layer + microprismatic cover

Version (body shape):
QN .. DI .. C - rectangle 1200x300 mm
QN .. DI .. F - rectangle 1500x300 mm

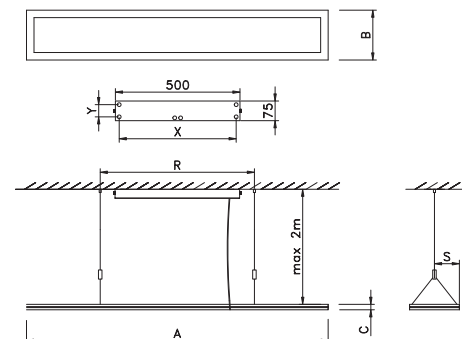
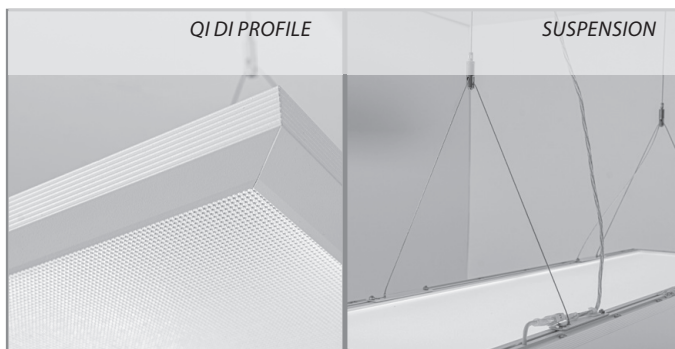
Note:
Cord suspension set incl. transparent power supply cable (2 m length) is standardly included in a packing

QN	W	lm	A	B	C	R	S	X	Y	kg
QN C/DI/700	30	3 500	1200	300	15	715	147	440	45	2
QN C/DI/1050	54	5 800								
QN C /2DI/700	34	4 800								
QN C /2DI/1050	50	6 800								
QN C /2DI/1400	70	9 100								
QN F/DI/1050	49	5 100	1500			743				5
QN F/DI/1400	62	6 500								

lm - luminaire light output

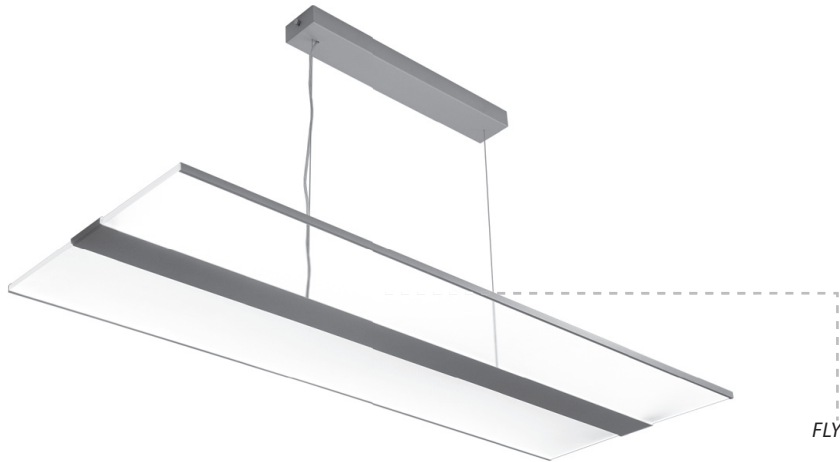
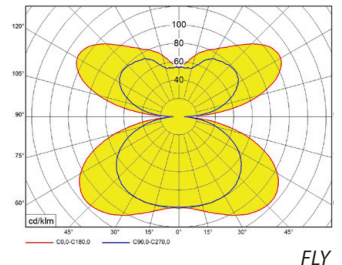
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	✗	○	○	✗	✗	✗	✗	✗

● default ○ optional ✗ not possible





η_{ef} (lm/W)
92-96

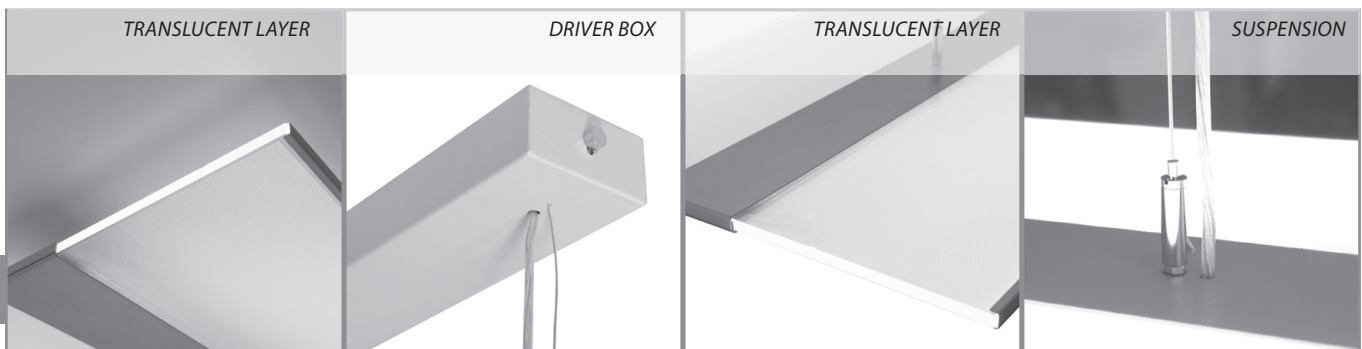


Pendant direct/indirect LED fittings

- Body:** Metal gear box finished in grey color (optionaly in white or black)
- Optic:** Translucent acrylic layer
- Version (body shape):**
 - FLY...RM - pendant rectangle 1227x435 mm
 - FLY...S - surface rectangle 638x435 mm
- Note:** Cord suspension set incl. transparent power supply cable (2 m length) is standardly included in a packing

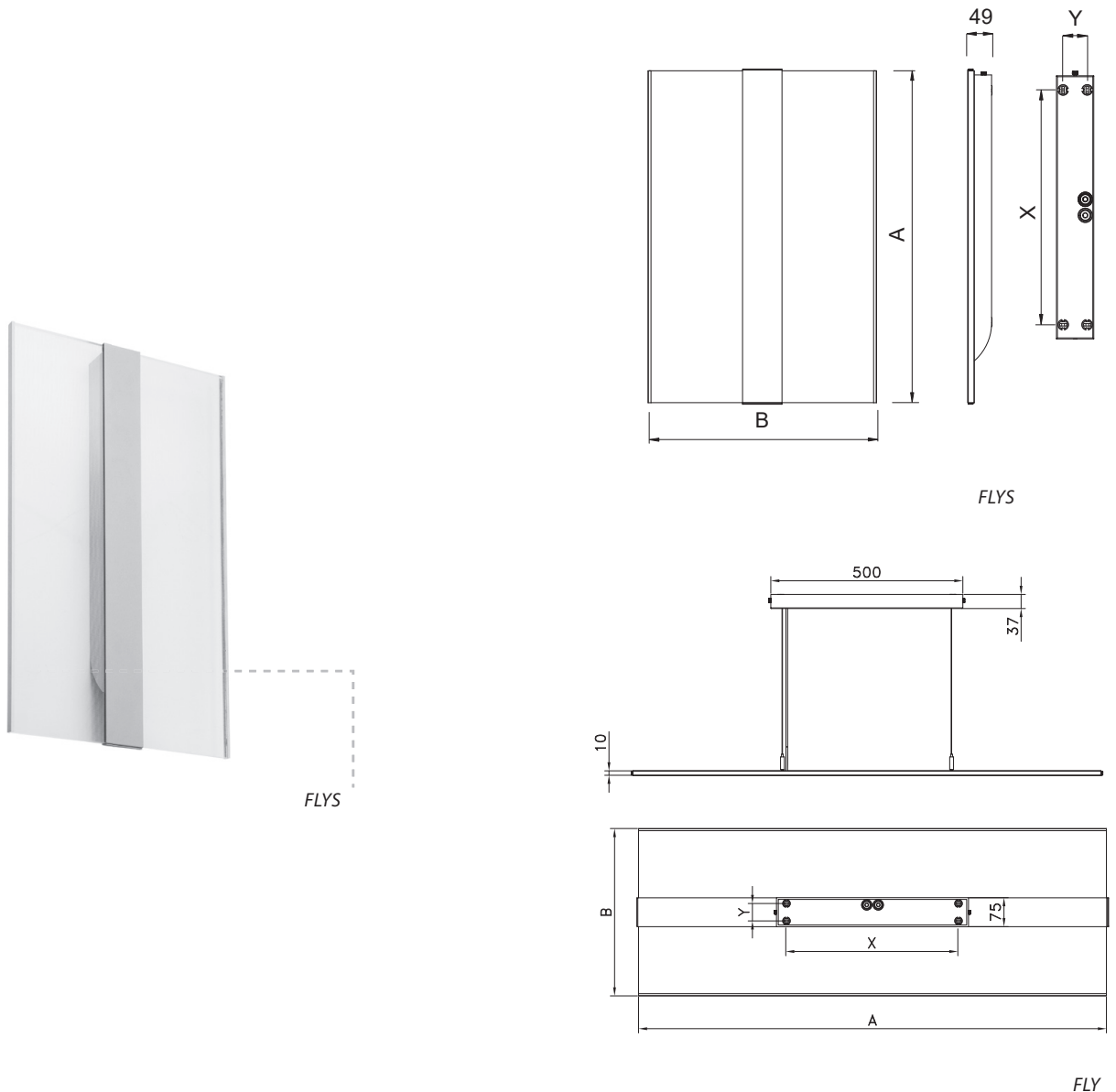
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	○	○	×	×
●	×	○	○	○	○	×	×	×

● default ○ optional × not possible



Codes: FLY4000RM3GP/ND

FLY	4000	R	M	3	G	P	/ND
Luminaire type FLY - pendant FLYS - surface	Light output	body shape: R – rectangle S – square	body length: S = 600 mm M = 1240 mm	Color temperature: 3 = 3000K 4 = 4000K 5 = 5700K	Color W = white B = black G = grey	Driver box assembly: P = surfaced V = recess S = wall assembly	Driver type: ND – no dimmable DALI – dimmable DALI



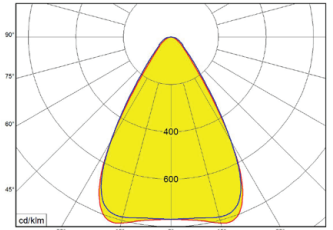
	W	lm	A	B	X	Y	kg
FLYS3000RS	26	2 500	638	435	224	23	4,5
FLY4000RM	44	4 100	1227		445	45	7
FLY6000RM	63	5 800					
FLY8000RM	77	7 100					
FLY4000RM/MIX	49	4 200					

lm - luminaire light output

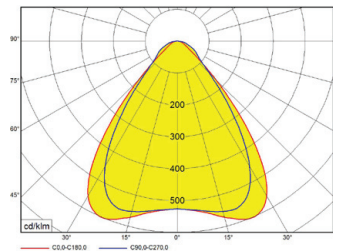
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



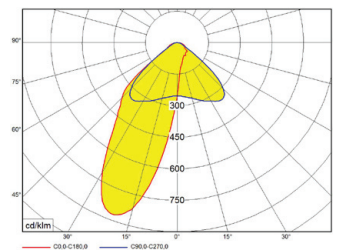
η_{ef} (lm/W)
141-160



EPD Z60



EPD Z90



EPD Z25AS

EPD RS/2

LED light fittings

Body:
White painted (RAL 9003) metal sheet

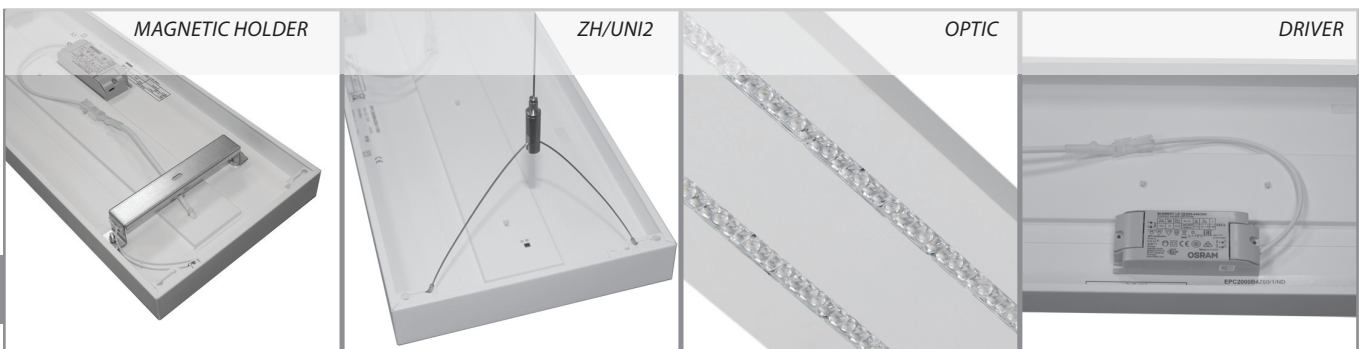
Optic:
Symetric linear PMMA lenses
Z60 – narrow beam 60°
Z90 – wide beam 90°
Z25AS – asymmetric optic

Application:
Surface installation using magnetic holders (part of the package)
Pendant installation using suspension set (extra accessories)
ZH/UNI2 - fittings EPD RS
ZH/UNI4 - fittings EPD SS

Accessories:
ZH/UNI2 – universal 2-wires suspension
ZH/UNI4 – universal 4-wires suspension

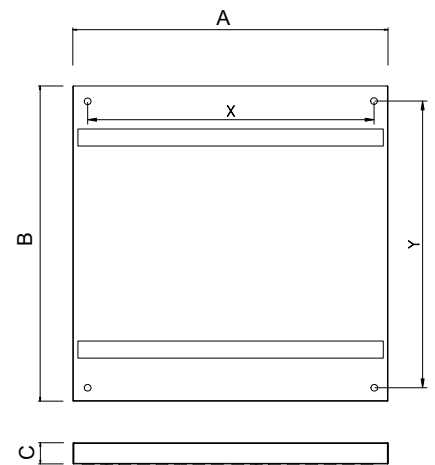
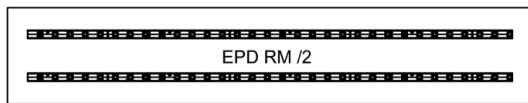
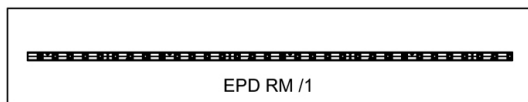
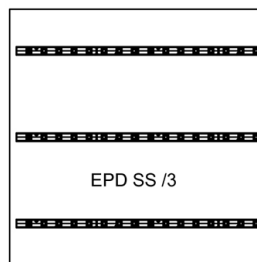
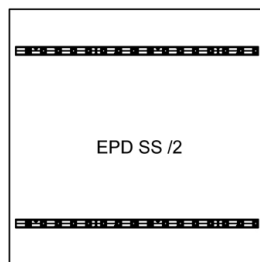
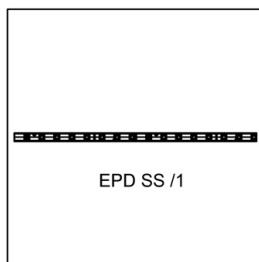
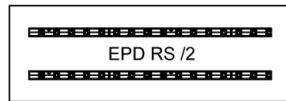
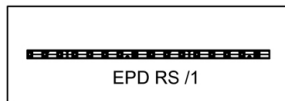
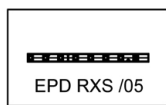
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: EPD4000RS3Z60/2/ND

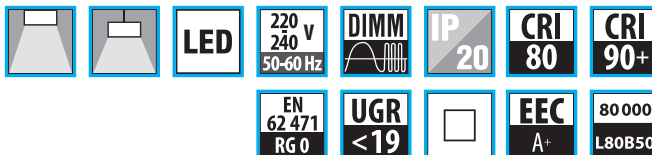
EPD	4000	R	S	3	Z60	/2	/ND
Luminaire type							
Light output							
Body shape		R – rectangle S – square					
body length:			XS = cca 400 mm S = cca 600 mm M = cca 1200 mm				
Color temperature				2 = 2700K 3 = 3000K 4 = 4000K 5 = 5700K			
Optic:					Z60 – narrow 60° Z90 – wide 90° Z25AS- asymmetric		
Nr of LED modules EPD							
Driver type:							ND – no dimmable DALI – dimmable DALI



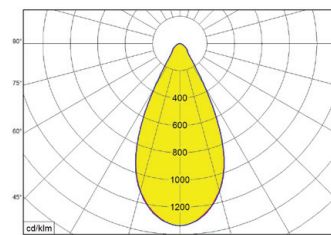
	W	lm (Z60, Z90, Z25AS)	A	B	C	X	Y	kg
EPD1000 RXS /05	8	1 000	375	225	40	270	-	0,8
EPD1500 RXS /05	10	1 300						
EPD2000 RS /1	14	2 000	655	595		500	500	1,2
EPD4000 RS /2	27	3 800						
EPD2000 SS /1	14	2 000	595	595	500	500	2,0	
EPD4000 SS/2	27	3 800						
EPD4000 SS /3	25	4 000	1230	225	1070	-	2,0	
EPD4000 RM /1	27	3 800						
EPD6000 RM /2	41	5 900						
EPD8000 RM /2	54	7 700						

lm - luminaire light output

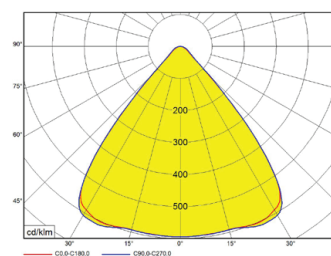
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
146-154



EPC Z60



EPC Z90

EPC SS

LED light fittings

Body:
White painted (RAL 9003) metal sheet

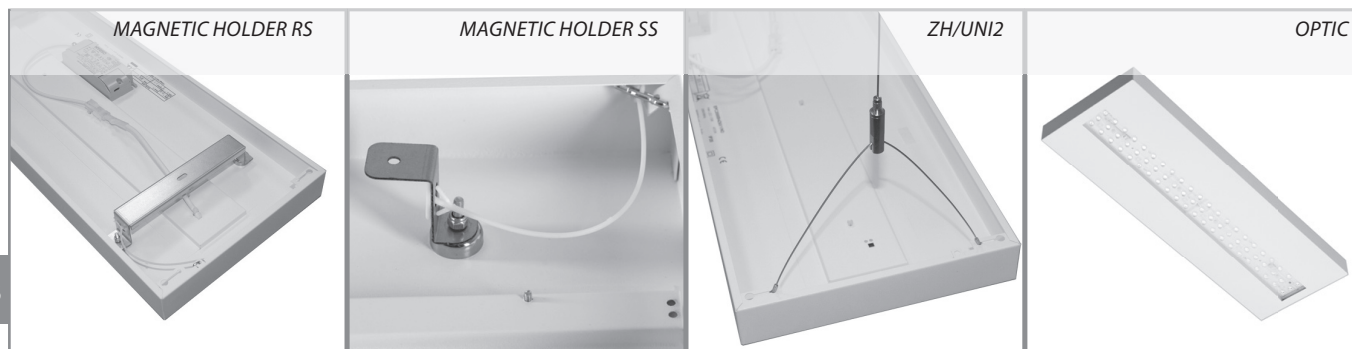
Optic:
Symetric linear PMMA lenses
Z60 – narrow beam 60°
Z90 – wide beam 90°

Application:
Surface installation using magnetic holders (part of the package)
Pendant installation using suspension set (extra accessories)
ZH/UNI2 - fittings EPC RS
ZH/UNI4 - fittings EPC SS

Accessories:
ZH/UNI2 – universal 2-wires suspension
ZH/UNI4 – universal 4-wires suspension

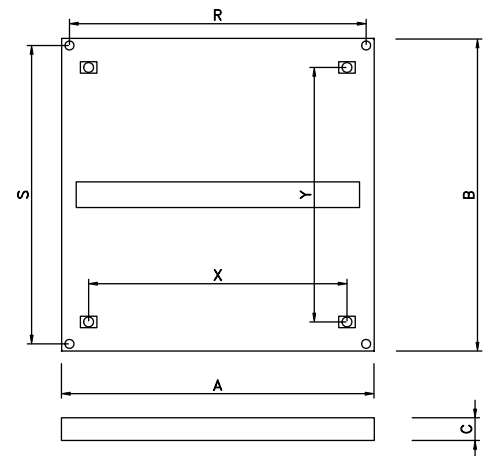
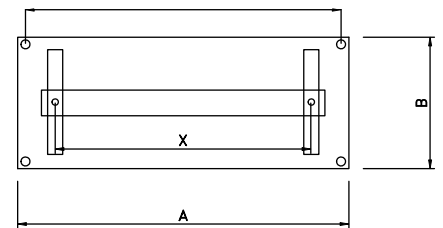
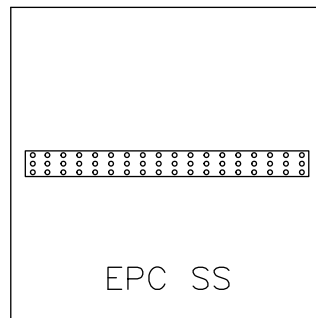
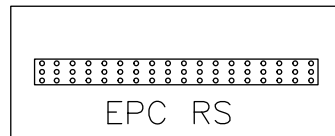
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: EPC4000RS3Z60/1/ND

EPC	4000	R	S	3	Z60	/1	/ND
Luminaire type EPC - central optic	Light output	Body shape R – rectangle S – square	body length: S = cca 600 mm	Color temperature 2 = 2700K 3 = 3000K 4 = 4000K 5 = 5700K	Optic: Z60 – narrow 60° Z90 – wide 90°	Nr of LED modules	Driver type: ND – no dimmable DALI – dimmable DALI



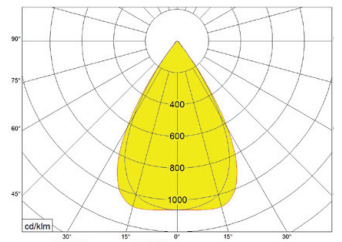
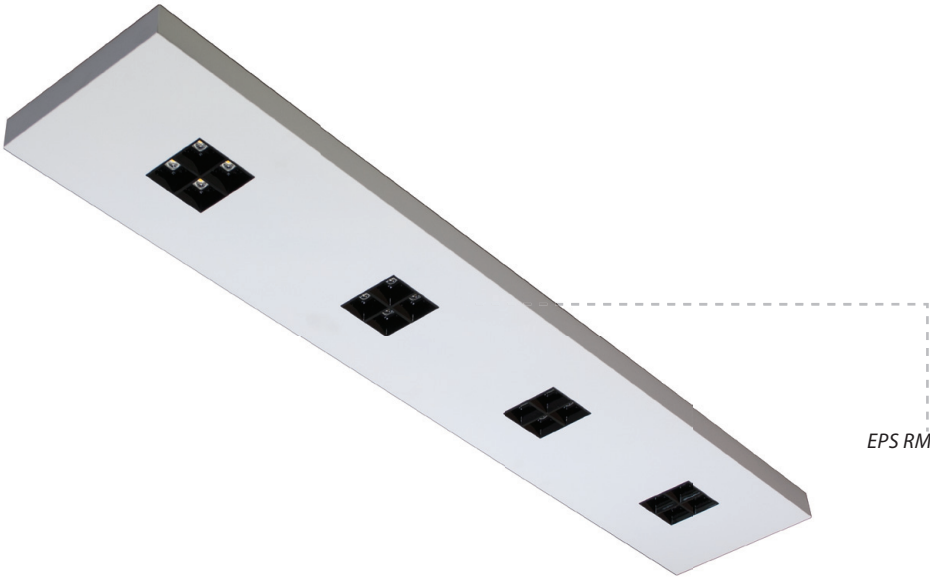
	W	lm (Z60, Z90)	A	B	C	X	Y	R	S	kg
EPC2000 RS /1	13	2 000	655	225	40	500	-	630	-	1,2
EPC3000 RS /1	18	2 700								
EPC4000 RS /1	24	3 500								
EPC2000 SS /1	13	2 000	595	595	40	500	500	572	572	2,0
EPC3000 SS /1	18	2 700								
EPC4000 SS /1	24	3 500								

lm - luminaire light output

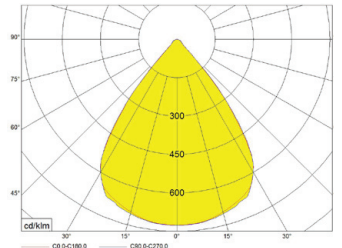
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
114-157



EPS B50



EPS B80

LED light fittings

Body:
White (black) painted metal sheet

Optic:
PC reflector + clear PMMA lenses
B50 - white reflector with lenses 50°
B80 - white reflector with lenses 80°
C50 - black reflector with lenses 50°
C80 - black reflector with lenses 80°

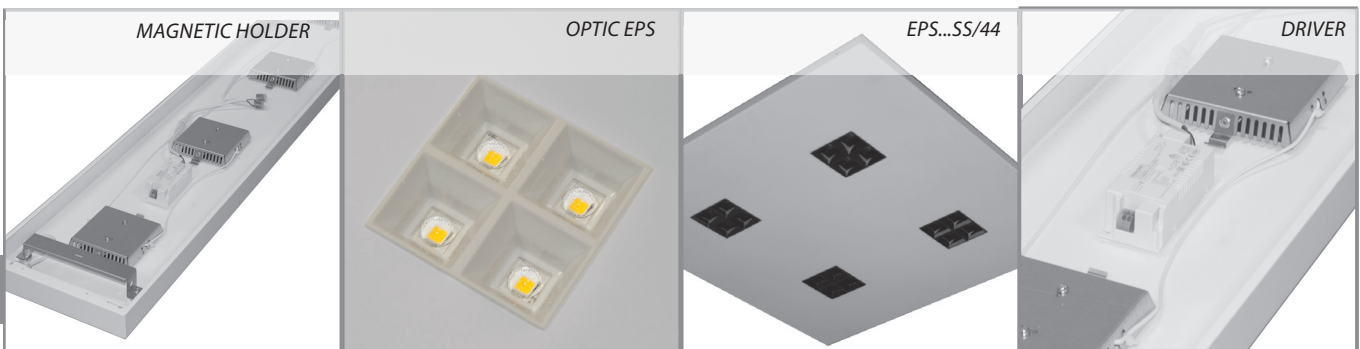
Version (body shape)
EPS...SS/44 - square 595x595mm, 4 LED modules
EPS...RM/44 - rectangle 1230x225mm, 4 LED modules
EPS...RL/64 - rectangle 1535x225mm, 6 LED modules

Application:
Surface installation using magnetic holders (part of the package)
Pendant installation using suspension set (extra accessories)
ZH/UNI2 - fittings EPS RM or RL
ZH/UNI4 - fittings EPS SS

Accessories:
ZH/UNI2 - universal 2-wires suspension
ZH/UNI4 - universal 4-wires suspension

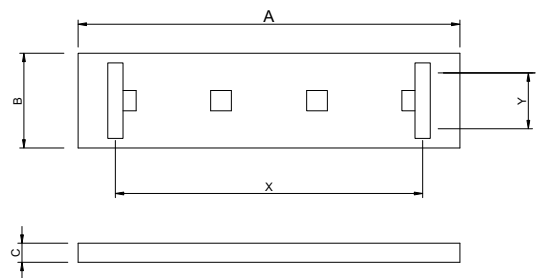
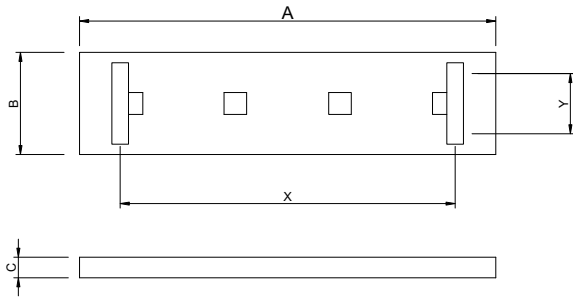
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	○	✗	○

● default ○ optional ✗ not possible



Codes: EPS4000RM3BB80/44/ND

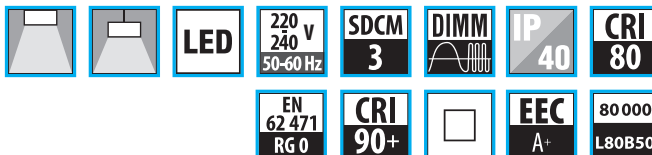
EPS	4000	RM	3	B	B80	/2	/44	/ND
Luminaire type								
Light output								
Body shape		SS - square - 595x595mm RM - rectangle - 1230x225mm LM - rectangle - 1535x225mm						
Color temperature			2=2700K, 3=3000K, 4=4000K, 5=5700K 6=6500K					
Body color				B - white body C - black body				
Optic:					B - white louvre C - black louvre 50 - narrow 50° 80 - wide 80°			
Nr of LED modules								
Nr of LED modules								
Driver type:								ND - no dimmable DALI - dimmable DALI



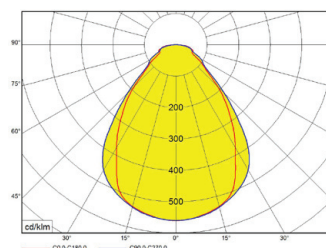
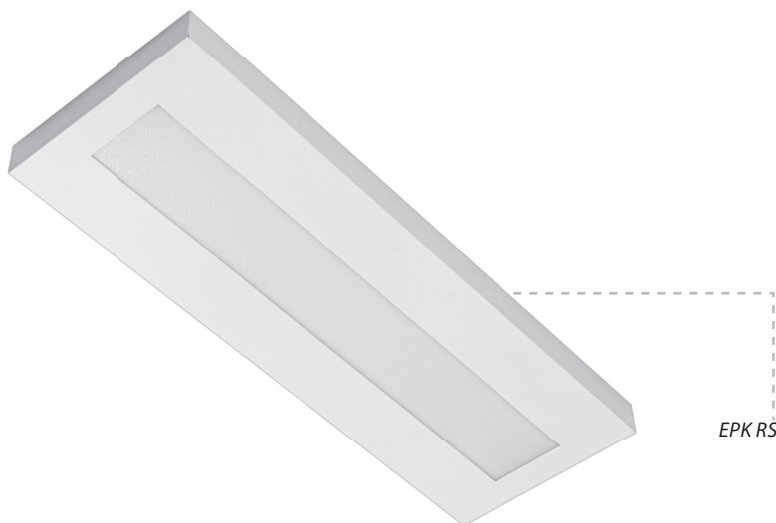
EPS	W	lm		A	B	C	X	Y	kg
		B50, B80	C50, C80						
EPS3000SS.../44	18	2750	2500	595	595	40	540	500	1,8
EPS4000SS.../44	27	3900	3500				540	500	
EPS3000RM.../44	18	2750	2500	1230	225		1140	-	2,0
EPS4000RM.../44	27	3900	3500				1140	-	
EPS6000RL.../64	44	6400	5800	1535	225		1445	-	2,4

lm - luminaire light output

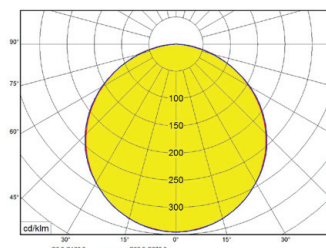
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
109-150



EPK KN



EPK KO

LED light fittings

Body:
White painted (RAL 9003) metal sheet

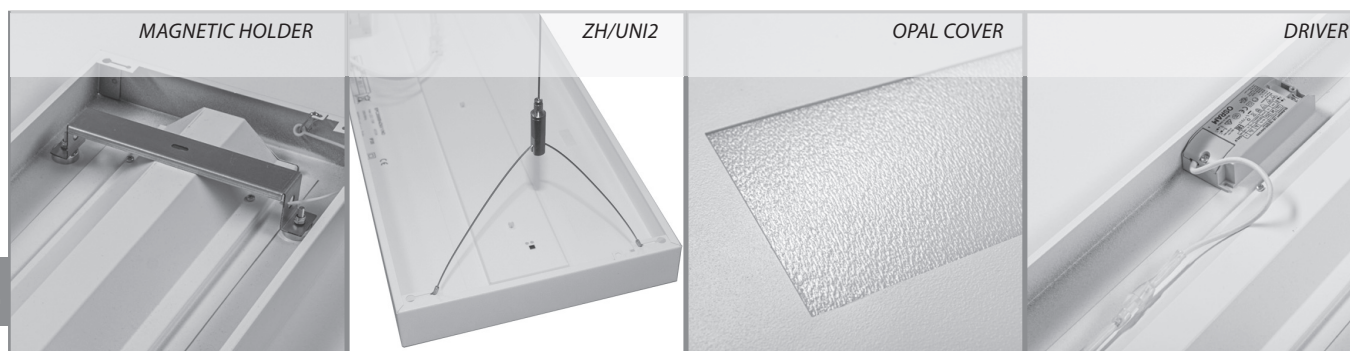
Optic:
KO - opal PS cover
KN - microprismatic PS cover

Application:
Surface installation using magnetic holders (part of the package)
Pendant installation using suspension set (extra accessories)
ZH/UNI2 - fittings EPK RS
ZH/UNI4 - fittings EPK SS

Accessories:
ZH/UNI2 – universal 2-wires suspension
ZH/UNI4 – universal 4-wires suspension

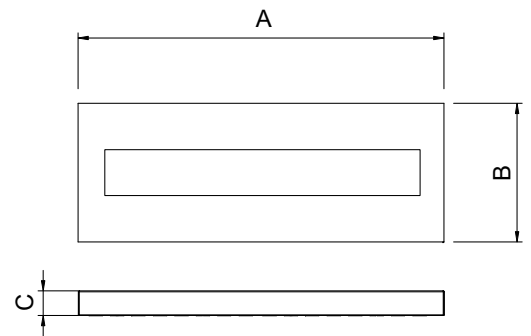
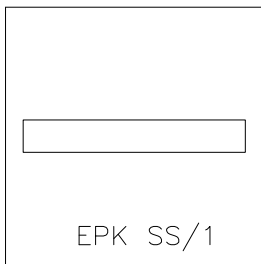
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: EPK4000RS3KN/1/ND

EPK	4000	R	S	3	KN	/1	/ND
Luminaire type							
Light output							
body shape: R – rectangle S – square							
body length: S = cca 600 mm M = cca 1200 mm L = cca 1500 mm							
Color temperature 2=2700, 3=3000K, 4=4000K, 5=5700K							
Optic: KO - opal PS cover KN - microprizmatic PS cover							
Nr of LED modules							
Driver type: ND – no dimmable DALI – dimmable DALI							



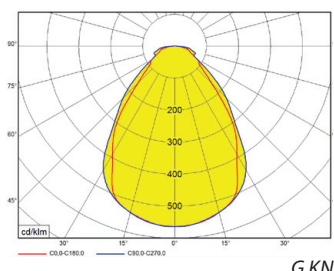
EPK	W	lm		A	B	C	X	Y	kg	
		KO	KN							
EPK2000 RS /1/	15	1 850	1 950	655	225	40	500	-	0,8	
EPK2000 SS /1/	15	1 850	1 950	595	595			500	500	2,0
EPK3000 SS /1/	20	2 500	2 650							
EPK3000 SS /2/	19	2 650	2 800							
EPK4000 SS /2/	30	3 900	4 100	1 230	225		1 140	-	2,6	
EPK6000 SS /2/	48	5 700	6 000							
EPK4000 RM /1/	28	4 000	4 200							
EPK6000 RM /1/	51	5 600	5 900	1 535	225		1 300	-	2,6	
EPK4000 RL /1/	34	4 200	4 400							
EPK6000 RL /1/	46	5 500	5 800							

lm - luminaire light output

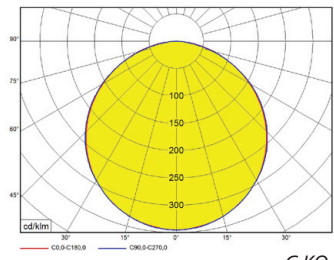
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
108-127



GKN



GKO

LED light fitting

Body:
White painted (RAL 9003) zinc metal sheet

Optic:
KN - microprismatic diffusor
KO - opal cover

Application:
Flat surface lighting fitting.

Versions:
SS - square
RM - rectangle, medium
RL - rectangle, large

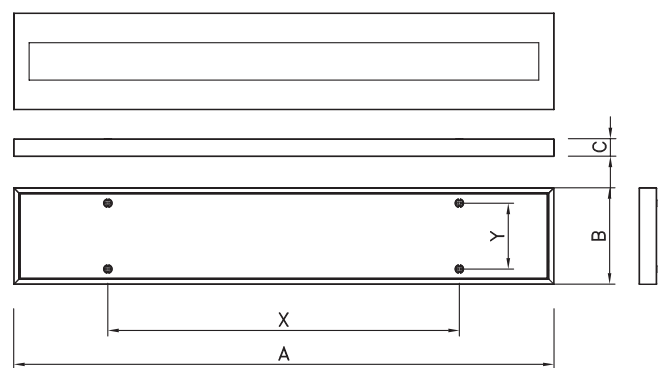
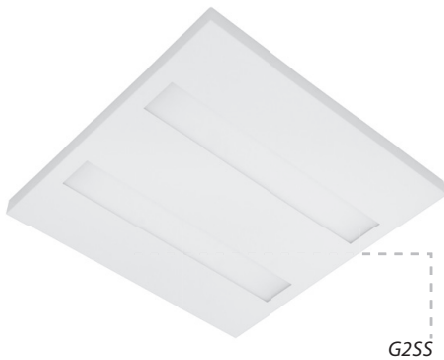
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	✗
●	○	○	✗	✗	✗	○	✗	✗

● default ○ optional ✗ not possible



Codes: G1RMKN3V1/700ND

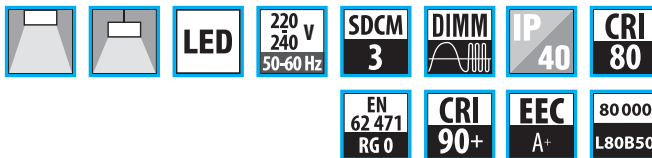
G	1	R	M	KN	3	V1	/ 700ND
Luminaire type	Nr of light strips	Body shape: S - square R - rectangle	Body length: S = 600 mm M = 1200 mm L = 1500 mm	Cover type: KN - microprismatic cover KO - opal cover	Color temperature: 3 = 3000K 4 = 4000K	Used LEDs	Driver type: 700mA, 1050mA, 1400mA ND - no dimmable DIM - dimmable 1-10V DALI - dimmable DALI



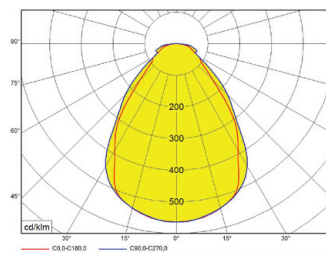
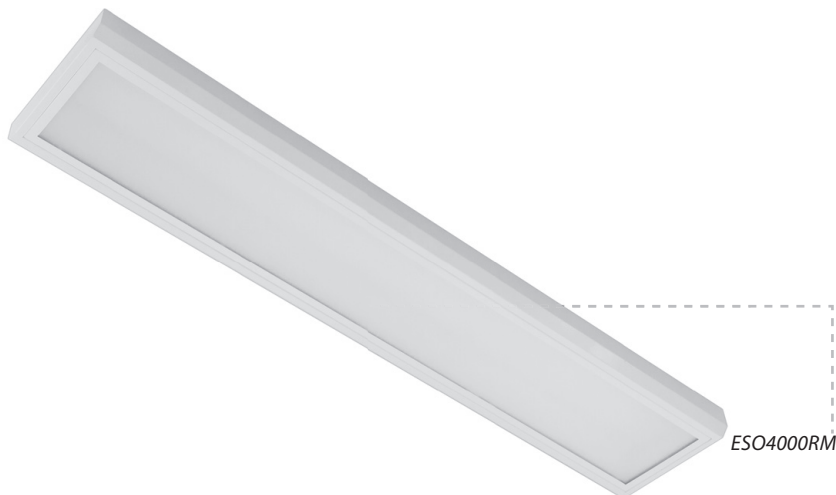
G	W	lm		A	B	C	X	Y	kg
		KO	KN						
G2SS/700	33	3 900	4 100	650	650	40	400	470	4,5
G2SS/1050	50	5 400	5 700						
G1RM/700	33	3 900	4 200	1 230	220		800	150	3,7
G1RM/1050	52	5 700	6 000						
G1RL/1050	39	4 650	4 900	1 535			1 100		4,5
G1RL/1400	48	5 700	6 000						

lm - luminaire light output

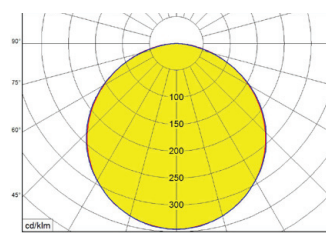
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
110-139



ESO KN



ESO KO

LED fitting

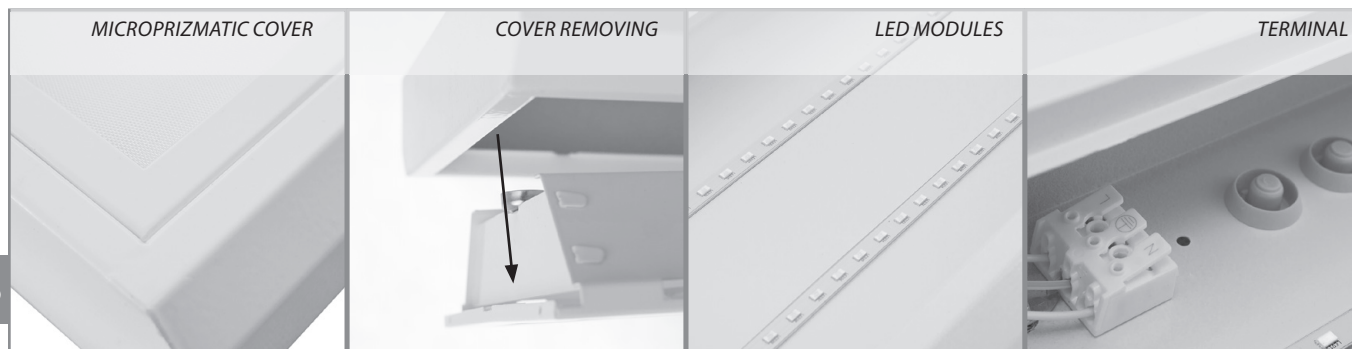
Body:
White painted (RAL 9016) metal sheet

Optic:
KN – clear PS microprismatic cover
KO – opal PS cover

Application:
Default way of using is a surface installation. Using suspension set ZH/UNI4 also pendant installation is possible.

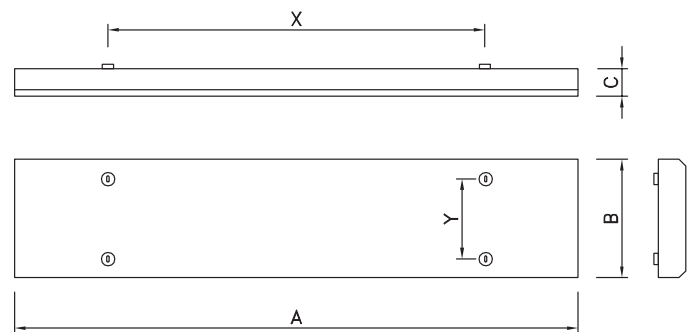
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: ESO4000RMKN3ND

ESO	4000	R	M	KN	3	ND
Luminaire type	Luminaire light output lm	body shape: R – rectangle S – square	body length: S = 600 mm M = 1200 mm L = 1500 mm	Cover type: KN – microprizma KO – opal	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI



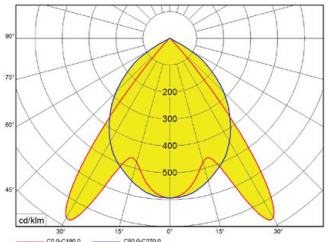
ESO	W	lm		A	B	C	X	Y	kg			
		KO	KN									
ESO2000 RS	20	2 200	2 300	610	240	52	500	150	2,5			
ESO3000 SS	23	3 000	3 200	560	560		400	400	4,0			
ESO4000 SS	36	4 300	4 800				1 210	240	950	150	4,5	
ESO6000 SS	55	6 300	6 600	1 510	240	1 200			5,5			
ESO3000 RM	26	3 300	3 500			1 210	240	950	150	4,5		
ESO4000 RM	38	4 400	4 600								1 510	240
ESO5000 RL	44	5 000	5 900	1 210	240	950	150	4,5				
ESO6000 RL	57	7 200	7 500						1 510	240		

lm - luminaire light output

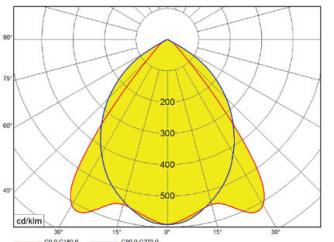
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
97-130



LLL KV



LLL KVM

LED luminaires with optic system

Body:
White painted (RAL 9003) metal sheet. For request in grey or black

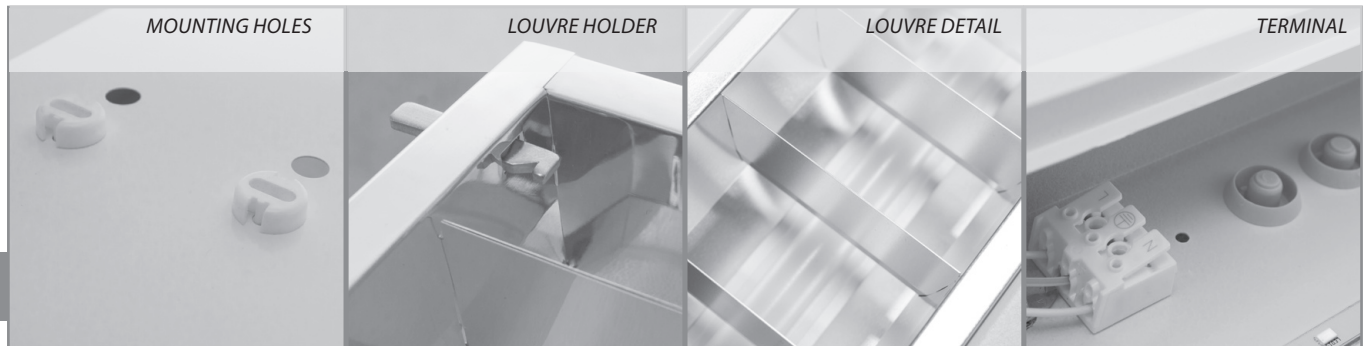
Optic:
KV – double parabolic louvre of highly polished aluminium
KVM – double parabolic louvre of mat aluminium

Application:
Surface or pendant installation
These LED fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Accessories:
ZH/UNI4 – universal 4-wires suspension

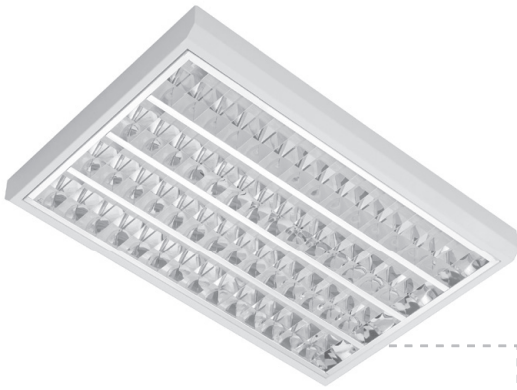
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	✗	○	✗	✗

● default ○ optional ✗ not possible

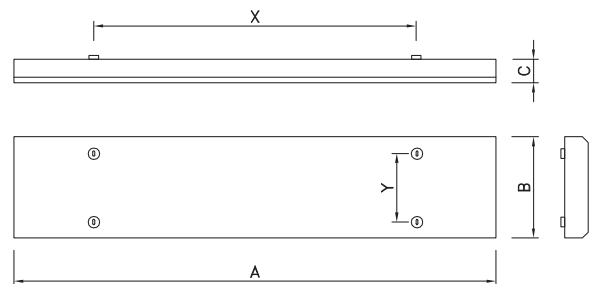


Codes: LLL4000RM2KV3ND

LLL	4000	R	M	2	KV	3	ND	/90
luminaire type	Light output	body shape: R – rectangle S – square	body length: S = 600 mm M = 1200 mm L = 1500 mm	Nr of light strips - config.	Cover type: KV – louvre ALDP KVM – louvre MATDP	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K 6 = 6500K	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI	



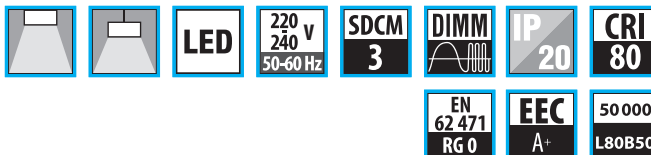
LLL4000 SS4



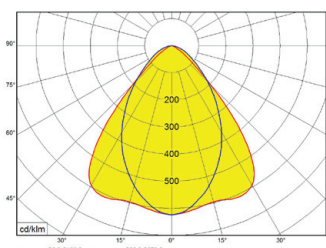
LLL	W	lm		A	B	C	X	Y	kg	
		KV	KVM							
LLL3000 SS4	27	3 100	3 200	611	410	52	400	310	2,2	
LLL4000 SS4	37	4 200	4 350							
LLL2000 RM1	19	2 200	2 250	1210	153		900	65	2,5	
LLL3000 RM2	26	3 200	3 300		238			150		
LLL4000 RM2	37	4 300	4 450	1510	153		1200	65	3,2	
LLL3000 RL1	30	3 400	3 500		238			150	4,0	
LLL5000 RL2	41	5 200	5 350	1210	153		52	900	65	2,2
LLL2000 RM1 /90	19	1 900	1 900		238				150	2,5
LLL3000 RM2 /90	26	2 800	2 800	1510	258			1200	65	3,2
LLL4000 RM2 /90	37	3 700	3 800						150	4,0
LLL3000 RL1 /90	30	2 900	2 900	1210	153	900		65	2,2	
LLL5000 RL2 /90	41	4 400	4 500					238	150	2,5
LLL6000 RL2 /90	58	6 200	6 300					1510	258	1200
LLL6000 RL2 /90	58	6 200	6 300	1510	258	1200		150	4,0	

lm - luminaire light output

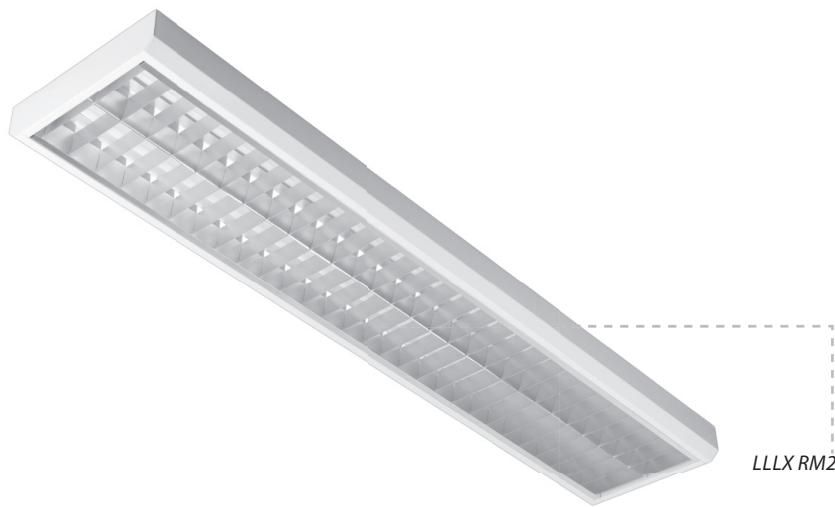
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
108-109



LLLX MAT



LED luminaires with optic system

Body:
White painted (RAL 9003) metal sheet

Optic:
MAT – mat aluminium louvre

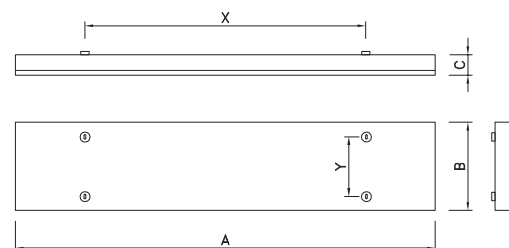
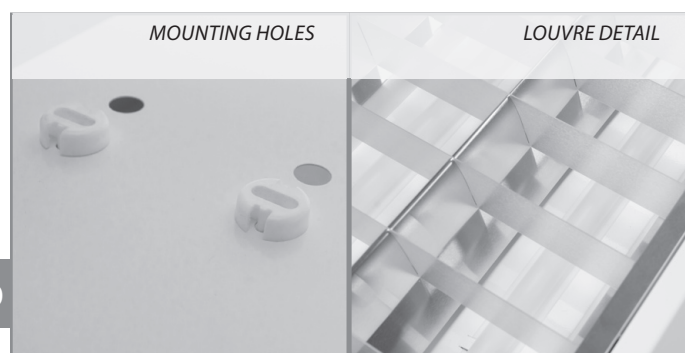
Application:
- surface or pendant installation
- these LED fittings are recommended for offices, for lighting areas with requirements for light and glare control.

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	×	×	×	×	×
●	×	○	×	×	×	○	×	×

● default ○ optional × not possible

	w	lm	A	B	C	X	Y	kg
LLLX4000 RM2 MAT ND	37	4 000	1258	264	60	950	180	2,5
LLLX6000 RL2 MAT ND	57	6 200	1558			1250		3,2

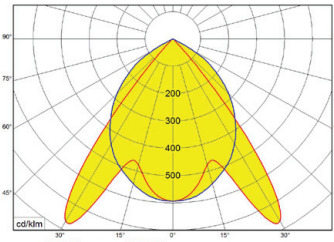
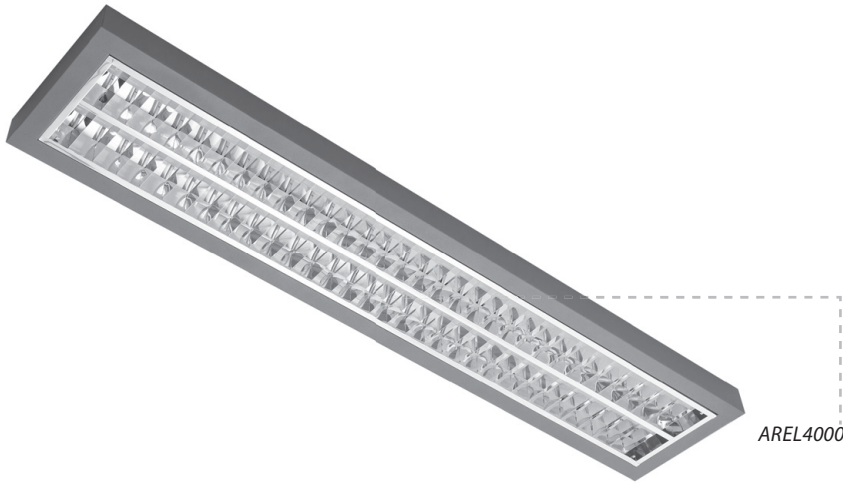
lm - luminaire light output



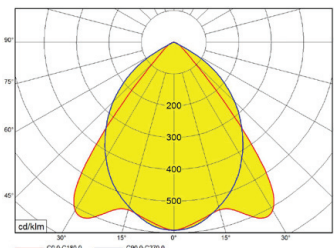




η_{ef} (lm/W)
97-130



AREL KV



AREL KVM

LED luminaires with optic system

Body:
Grey painted (RAL 9007) metal sheet (for request in white, silver or black)

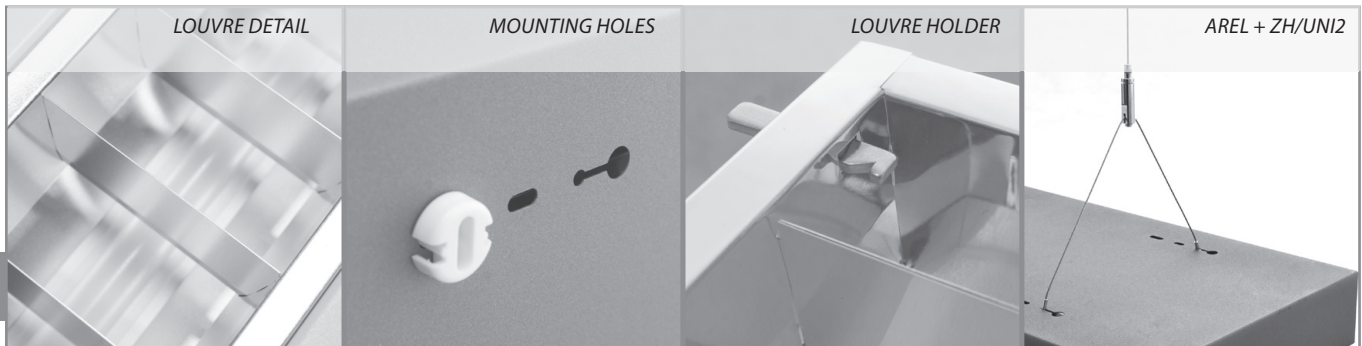
Optic:
KV – double parabolic louvre of highly polished aluminium
KVM – double parabolic louvre of mat aluminium

Application:
Surface or pendant installation
These LED fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Accessories:
ZH/UNI2 – universal 2-wires suspension

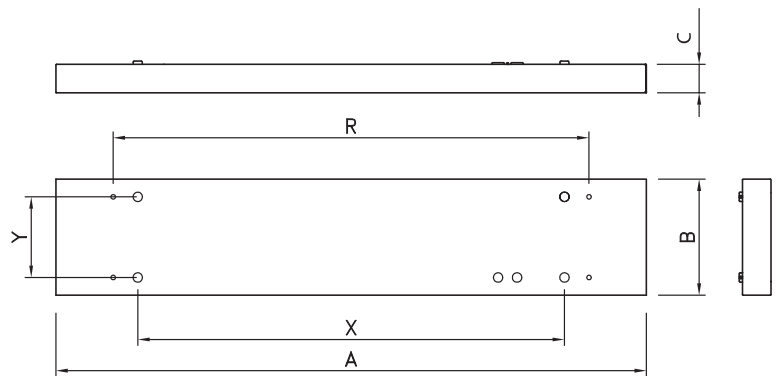
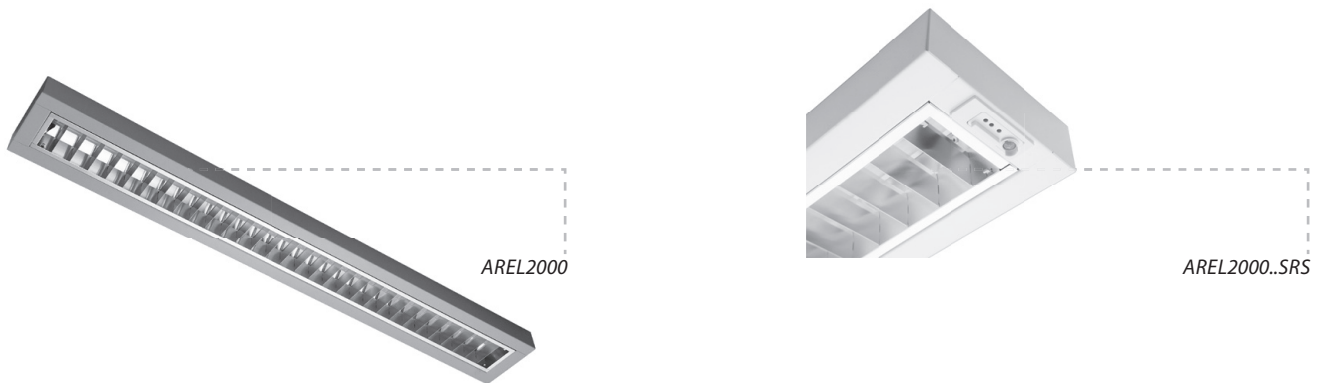
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: AREL4000RM2KVND

AREL	4000	R	M	2	KV	3	ND	DI
luminaire type	Light output	body shape: R – rectangle	body length: M = 1200 mm L = 1500 mm	Nr. of ligh strips	Cover type: KV – ouvre ALDP KVM – louvre MATDP	Color temperature 3 = 3000K, 4 = 4000K, MIXW - tunable white	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI	D/I – pendant version direct/indirect

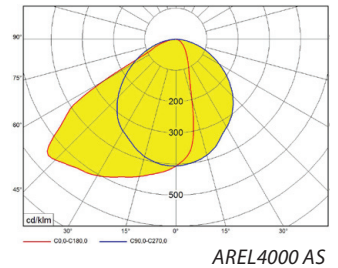


AREL	W	lm		A	B	C	X	Y	R	kg	
		KV	KVM								
AREL2000 RM1	19	2 200	2 250	1245	160	55	900	85	990	2,5	
AREL3000 RM2	26	3 200	3 300		245			170		4,0	
AREL4000 RM2	37	4 300	4 450		160			85		3,0	
AREL3000 RL1	30	3 400	3 500	1545	245		1200	1200	170	1290	5,0
AREL5000 RL2	41	5 200	5 350		160				85		3,0
AREL6000 RL2	58	6 900	7 200		245				170		5,0
AREL2000 RM1 /90	19	1 900	1 900	1245	160	55		900	85	990	2,5
AREL3000 RM2 /90	26	2 800	2 800		245				170		4,0
AREL4000 RM2 /90	37	3 700	3 800		160				85		3,0
AREL3000 RL1 /90	30	2 900	2 900	1545	245		1200	1200	170	1290	5,0
AREL5000 RL2 /90	41	4 400	4 500		160				85		3,0
AREL6000 RL2 /90	58	6 200	6 300		245				170		5,0

lm - luminaire light output R - distance of hanging points

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

AREL AS



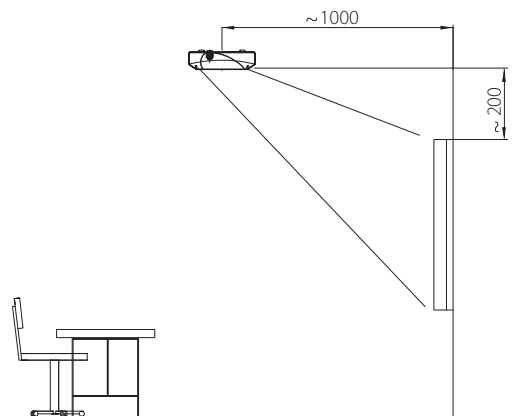
Asymmetric LED luminaires

Body:
White painted (RAL 9016) metal sheet

Optic:
AS – white painted (highly reflective RAL 9016) asymmetric reflector

Application:
Surface or pendant installation
These LED fittings are recommended for school classrooms, shops, and for illumination of other vertical areas.

Accessories:
Suspension set ZH/UNI2 or ZH/UNI4

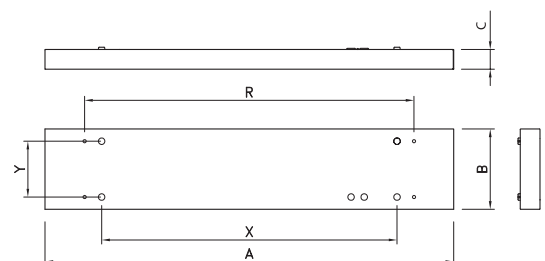
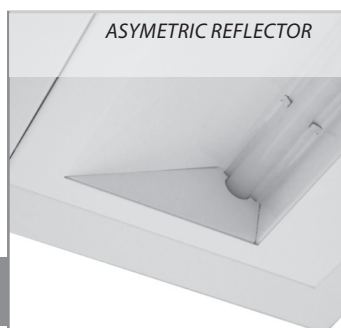


	W	lm	A	B	C	X	Y	R	kg
AREL4000 RMAS	35	4 500	1245	245	52	1000	170	1090	5,5
AREL6000 RLAS	47	6 200	1545			1300		1390	7

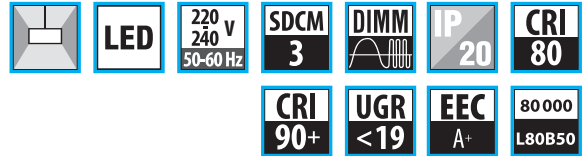
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	✗	✗	✗	✗

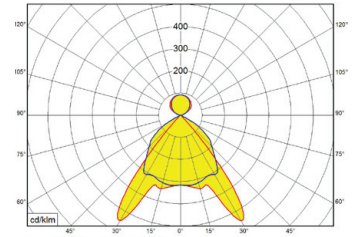
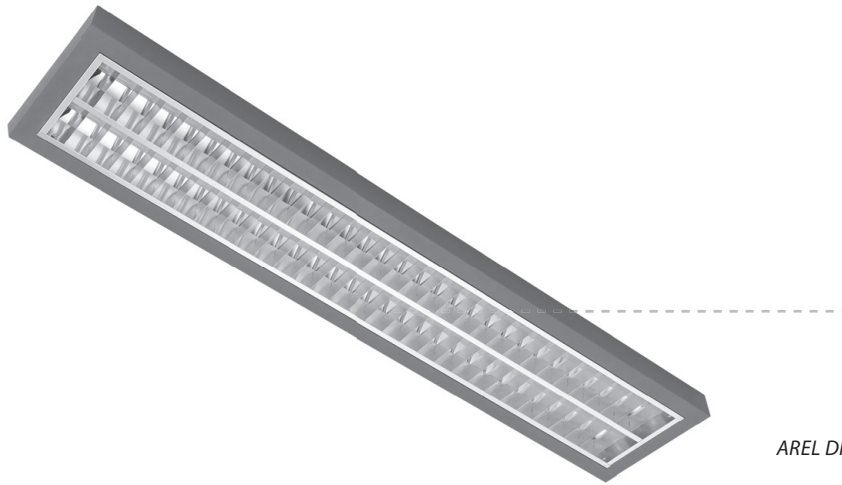
● default ○ optional ✗ not possible



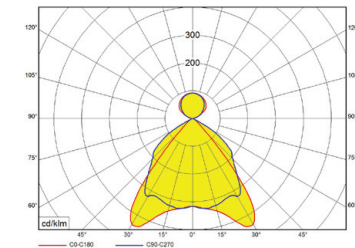
AREL D/I



η_{ef} (lm/W)
92-104



ARELKV DI



ARELKVM DI

LED direct/indirect luminaires

Body:
Grey painted (RAL9007) metal sheet (for request in white, silver or black)

Optic:
KV – double parabolic louvre of highly polished aluminium
KVM – double parabolic louvre of mat aluminium

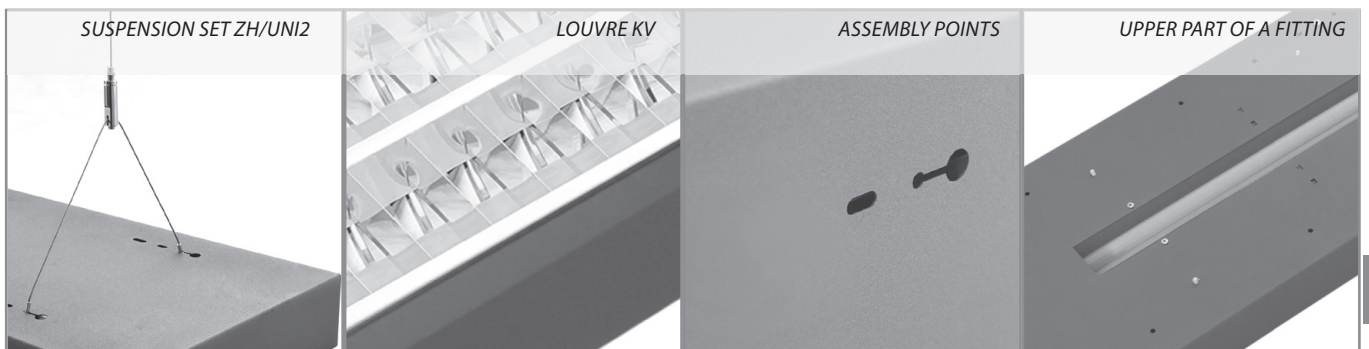
Application:
Pendant fittings with 2-circuits wiring (direct and indirect light distribution), each circuit can be switched separately. These LED fittings are recommended for offices, for lighting areas with high requirements for light and glare control. Suspension set included.

AREL D/I	W	lm		A	B	C	R	kg
		KV	KVM					
AREL3000 RM2 /DI	40	4 100	4 100	1245	245	55	990	5,5
AREL4000 RM2 /DI	56	5 800	5 800				1250	7,0
AREL5000 RL2 /DI	65	6 000	6 000	1545				
AREL6000 RL2 /DI	79	8 800	8 800					

lm - luminaire light output R - distance of hanging points

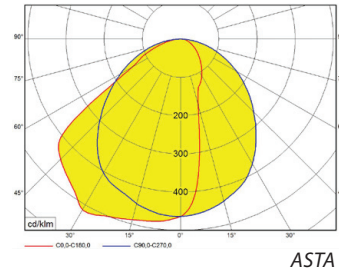
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible





η_{ef} (lm/W) 125-132				



Asymmetric LED luminaires

Body:
White painted metal sheet

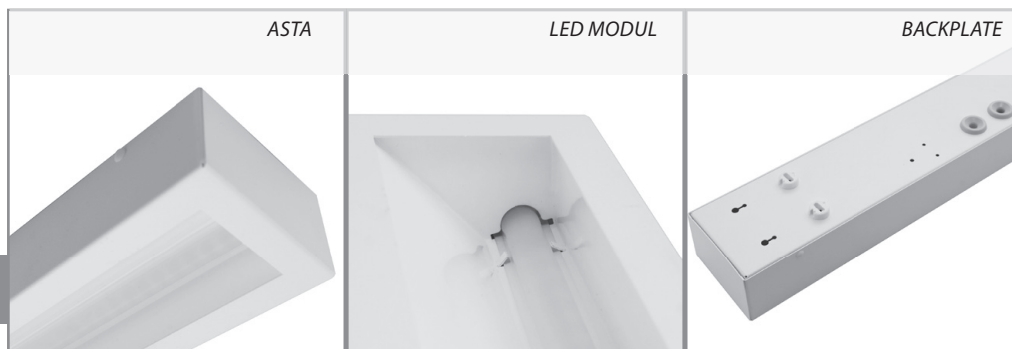
Optic:
AS – white painted asymmetric reflector

Application:
Surface or pendant installation
Recessed installation into raster 600
These LED fittings are recommended for school classrooms, shops, and for illumination of other vertical areas.

Accessories:
ZH/UNI2 – universal 2-wires suspension

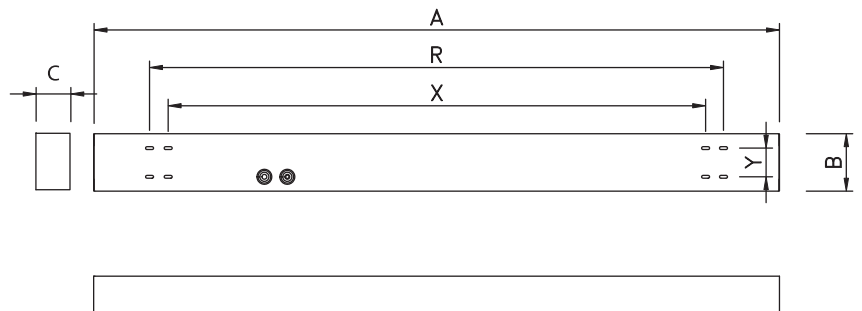
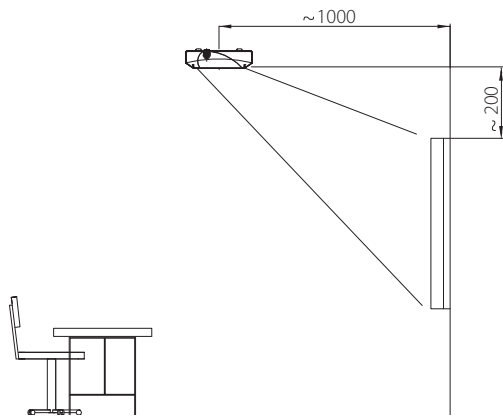
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	○	○	○	○	✗	✗	✗	✗

● default ○ optional ✗ not possible



Codes: ASTAP4000M3/ND

ASTA	P	4000	M	3	/ND
luminaire type	Assembly: P = surface, pendant	Light output	body length: S = 600 mm M = 1200 mm L = 1500 mm	Color temperature 3 = 3000K, 4 = 4000K,	Driver type: ND – no dimmable DALI – dimmable DALI



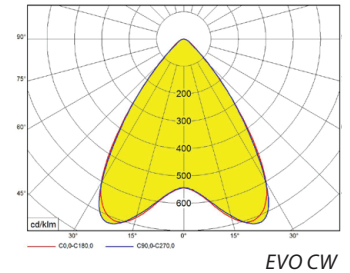
	W	lm	A	B	C	X	Y	R	kg
ASTAP2000S	16	2 000	595	100	60	460	50	500	1,8
ASTAP3000M	25	3200	1195					3	
ASTAP4000M	35	4 500	1195		3,9				
ASTAP3000L	23	3 100	1486	67	1000	50	1100	3,9	
ASTAP6000L	47	6 200							

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



				η_{ef} (lm/W) 136-157	



LED linear fittings

Body:
White painted metal sheet

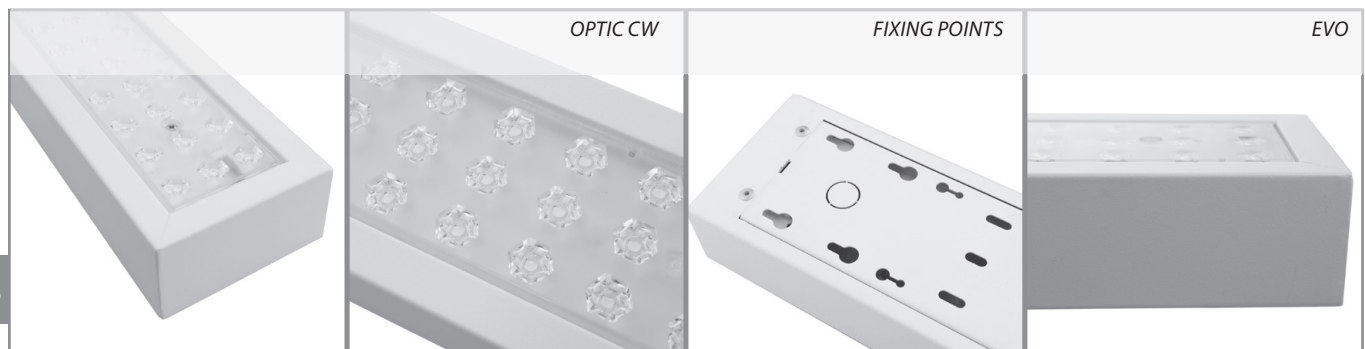
Optic:
CN – narrow 30°
CW – wide 60°
CEW – extra wide 110°
CRA – retail asymmetric

Application:
Surface or pendant installation
EVO.../R - through wiring for a line installation

Accessories:
ZH/UNI2 – universal 2-wires suspension
EVOSPOJ - connection part for a line installation

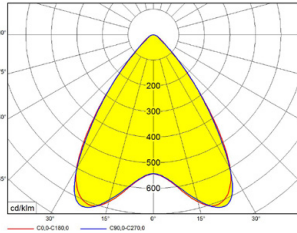
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	✗	○	○	✗	✗	✗	✗	✗

● default ○ optional ✗ not possible

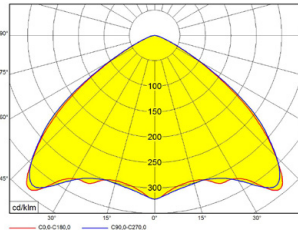


Codes: EVO6000L4CW/ND

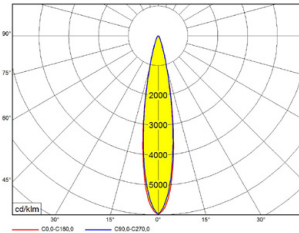
EVO	6000	L	4	CW	/ND
luminaire type	Light output	body length: S = 600 mm XM = 900 mm M = 1200 mm L = 1500 mm	Color temperature 3 = 3000K, 4 = 4000K,	Optic CN – narrow 30° CW – wide 60° CEW – extra wide 110° CRA – retail asymmetric	Driver type: ND – no dimmable DALI – dimmable DALI



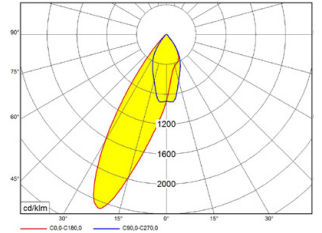
EVO CW



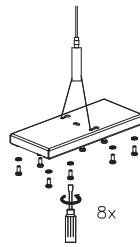
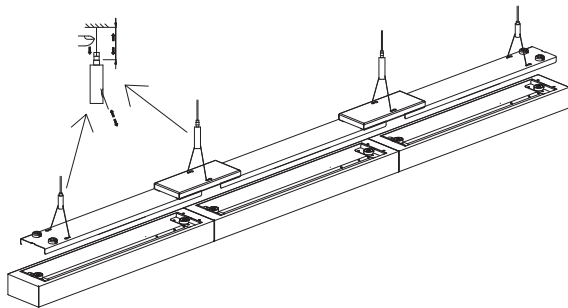
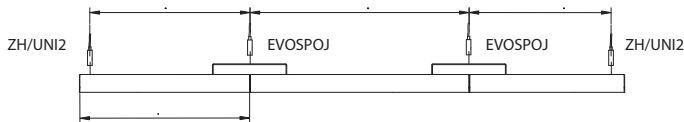
EVO CEW



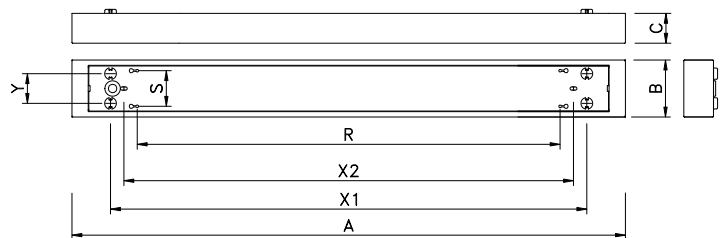
EVO CN



EVO CRA



EVO R



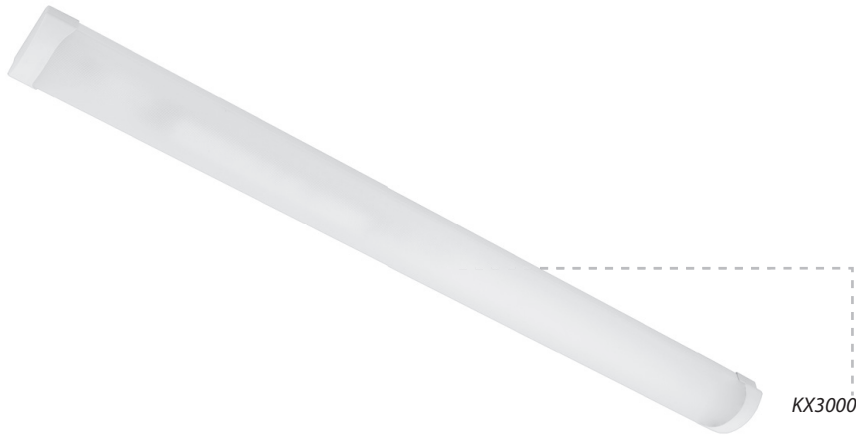
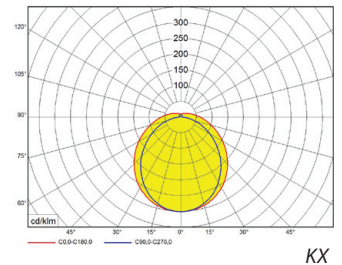
	W	lm*	A	B	C	X1	X2	Y	R	S	kg
EVO2500 S	14	2 200	610	96	50	480	435	50	390	60	1,4
EVO3500 S	25	3 400	610	96	50	480	435	50	390	60	1,4
EVO4000 XM	25	3 800	896	96	50	640	640	50	670	60	2,4
EVO5000 XM	37	5 200	896	96	50	640	640	50	670	60	2,4
EVO5000 M	33	5 000	1182	96	50	950	-	50	900	60	3
EVO7000 M	48	7 000	1182	96	50	950	-	50	900	60	3
EVO6000 L	38	5 850	1468	96	50	1180	-	50	1230	60	4
EVO9000 L	60	8 700	1468	96	50	1180	-	50	1230	60	4

lm - luminaire light output * - all optic types

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η_{ef} (lm/W)
124-150



LED fittings with cover

Body:
White painted metal sheet
White plastic endcaps

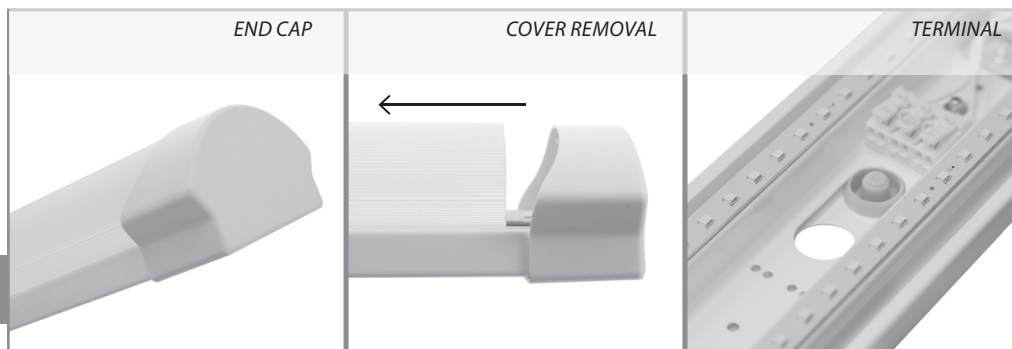
Optic:
KO - opal PMMA cover
KMO - MAT opal PMMA

Application:
These light fittings can be used as surface mounted or suspended.
- for shops, schools, social, sports and living spaces

Accessories:
Protection grid - OM
ZH/UNI4 – universal 4-wires suspension

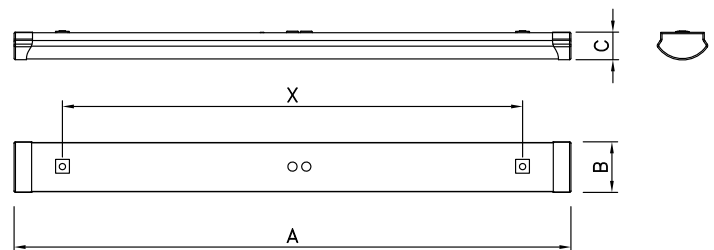
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: KX5000M3KO/ND

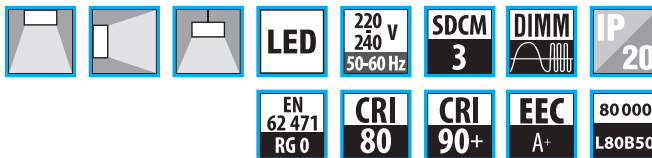
KX	5000	M	3	KO	/ND
luminaire type	Light output	body lenght: S = 600 mm M = 1200 mm L = 1500 mm	Color temperature 3 = 3000K, 4 = 4000K, 6 = 6500K	Cover type: KO = opal KM = matopal	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI



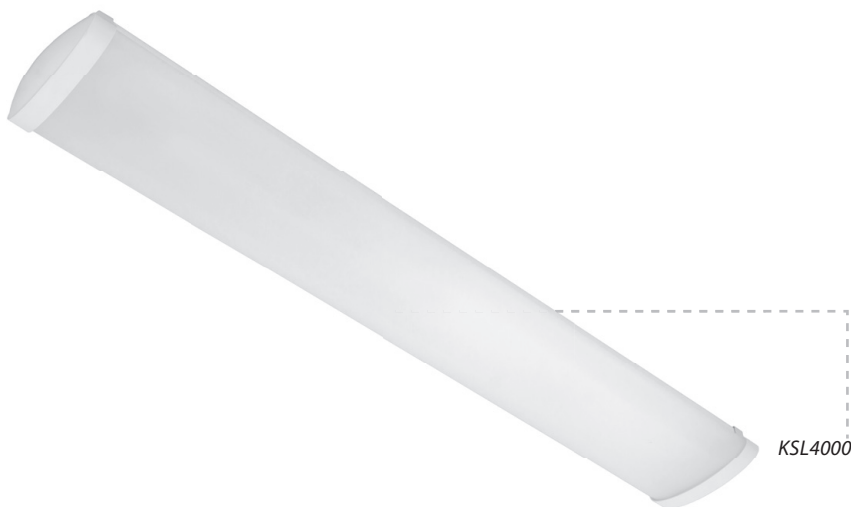
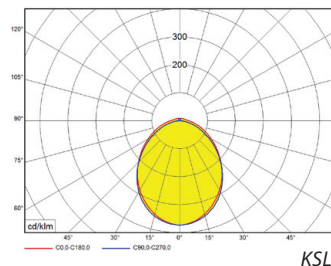
	W	lm	A	B	X	C	kg
KX2000 SKO	20	2 500	630	110	498	60	1,8
KX4000 SKO	34	4 200					
KX3000 MKO	18	2 600	1210		1000	60	2,5
KX4000 MKO	25	3 800					
KX5000 MKO	36	5 400					
KX3000 LKO	22	3 300	1500		1200	60	3
KX6000 LKO	47	6 900					
KX8000 LKO	58	8 200					

lm - luminaire light output

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η_{ef} (lm/W)
115-147



LED fittings with cover

Body:
White painted (RAL 9016) metal sheet
White plastic endcaps

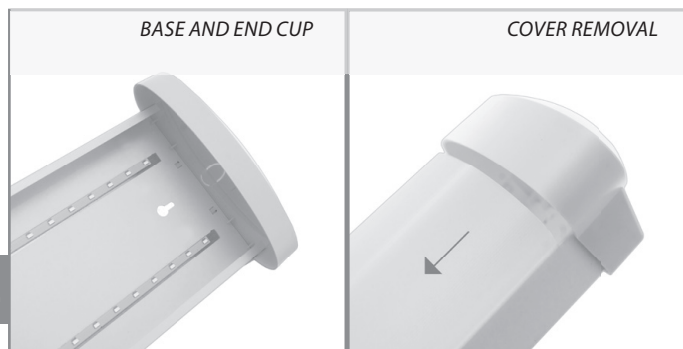
Optic:
KS - semiopal PMMA cover

Application:
These light fittings can be used as surface mounted or suspended.
- for shops, schools, social, sports and living spaces

Accessories:
Protection grid - OM
ZH/UNI4 – universal 4-wires suspension

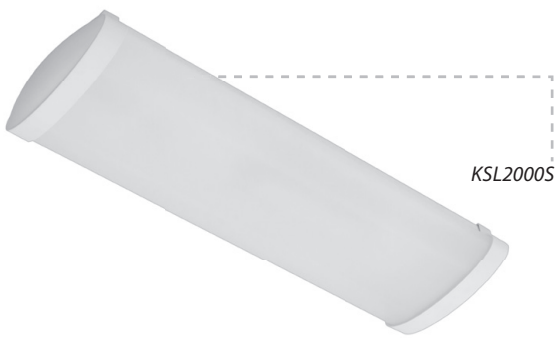
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	○	○	○	✗	✗

● default ○ optional ✗ not possible

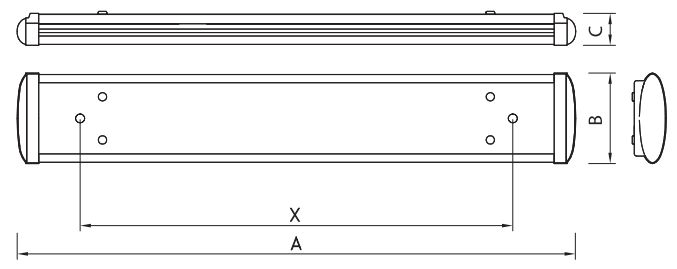


Codes: KSL4000M3KS/ND

KSL	4000	M	3	KS	/ND
Luminaire type	Light output	Body length S = 600 mm M = 1200 mm L = 1500 mm	Color temperature: 3 = 3000K, 4 = 4000K	Cover type: KS = semiopal	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI



KSL2000S

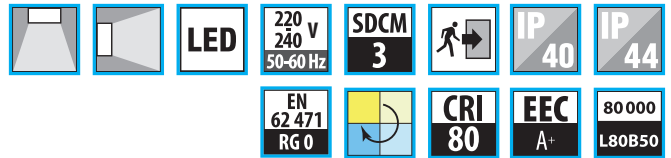


	W	lm	A	B	C	X	kg
KSL2000 S	21	2 500	683	208	77	540	2,2
KSL2000 M	20	2 500	1293			1150	2,6
KSL4000 M	41	5 000				1450	3,1
KSL8000 M	65	7 500	1593				
KSL3000 L	30	4 400					
KSL6000 L	51	7 300					

lm - luminaire light output

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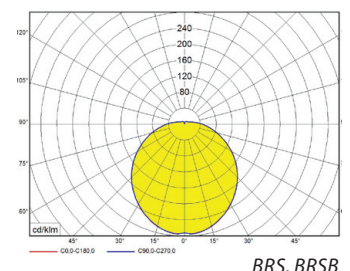
BRS, BRSB



η_{ef} (lm/W)
100-115



BRSB480



BRS, BRSB

LED fittings with cover

Body:
White painted (RAL 9003) metal sheet

Optic:
KO - opal PMMA cover (BRS, BRSB)
KOPC - opal polycarbonate cover (BRS)

Application:
Surface mounted luminaire for residential use, corridors, stairs, hygiene facilities
Suitable for sites with high frequency switching or for systems switched by a presence detector.

Version:
BRS - IP40
300 - small fitting (Ø 300 mm)
375 - middle fitting (Ø 375 mm)
480 - large fitting (Ø 480 mm)

BRSB - IP 44
300 - small fitting (Ø 285 mm)
375 - middle fitting (Ø 375 mm)
480 - large fitting (Ø 480 mm)

Note:
Luminaires can be equipped with microwave sensor (SM) or pasive sensor (PIR)
Luminaires with a diameter of 375 mm and 480 mm can be equipped with an emergency module 1 or 3 hours.

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	○	○	×	×
●	○	○	○	×	○	○	×	×

● default ○ optional × not possible

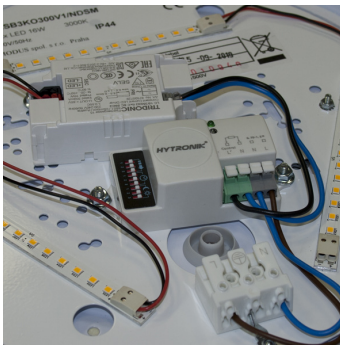


Codes: BRS3KO300V1/ NDSM

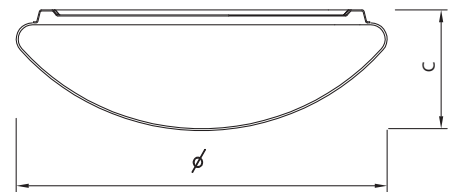
BRS	3	KO	300	V1	/ND	SM
Luminaire type	Color temperature: 3 = 3000K 4 = 4000K 5 = 5700K	Cover type: KO... PMMA opal KOPC... PC opal	Luminaire diameter:	Used LEDs	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI	Available: SM – microwave sensor NZ – emergency pack

BRS / BR SB	V0	V1	V2	V3	V5
Power	9 W	14 W	27 W	34 W	44 W
luminaire light output	900 lm	1400 lm	2700 lm	3600 lm	4600 lm
efficiency	100 lm/W	100 lm/W	100 lm/W	106 lm/W	105 lm/W
conventional lamps equivalent *	1x13W 1x18W	2x13W 1x26W	2x18W 2x26W	2x32W	2x42W

* approximate comparison, does not replace light calculation



SM - ACTIVE SENZOR



BRS	W	lm	Ø	C	kg	IP 40
BRS KO300V1	14	1 500	300	105	1,1	
BRS KO375V2	27	2 900	375	125	1,7	
BRS KO480V3 BRS KO480V5	34 44	3 900 5 000	480	150	2,4	

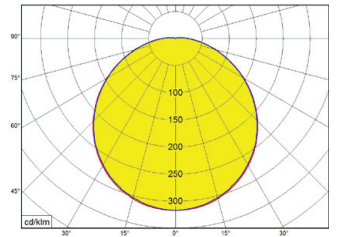
BR SB	W	lm	Ø	C	kg	IP 44
BR SB KO300V0	9	900	285	89	1,0	
BR SB KO300V1	14	1 400				
BR SB KO300V6/2000 BR SB KO375V2/2000	20	2 000	375	108	1,6	
BR SB KO375V2	27	2 700				
BR SB KO480V3	34	3 600	480	132	2,3	
BR SB KO480V5	44	4 600				

lm - luminaire light output

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		220 240 V 50-60 Hz	LED	SDCM 3	IP 65
EN 62471 RG0	CRI 80	EEC A+	30000 L70B50	η_{ef} (lm/W) 100	



BC1000KO

Surfaced LED fittings IP65

Body:
White painted (RAL 9003) metal sheet

Optic:
KO - opal polycarbonate cover

LED:
Mid Power LED
2...2700K
3...3000K
4...4000K

Wiring:
driver on board technology
ND - no-dimmable
DALI - dimmable DALI
BT - bluetooth control
SM - integrated active presence detector
PIR - integrated pasive presence detector

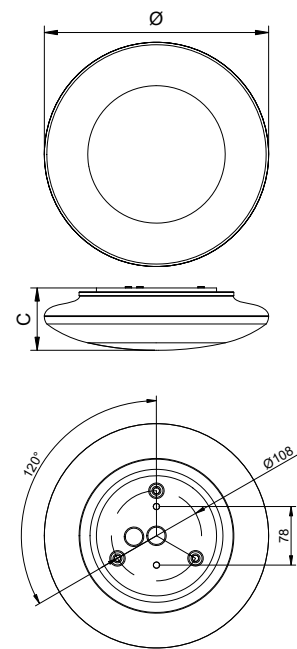
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	✗	✗	✗	✗	✗
●	✗	○	○	✗	○	✗	✗	✗

● default ○ optional ✗ not possible



Code: BC1500KO4ND

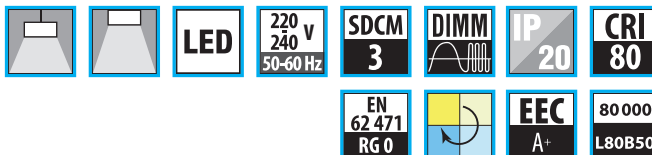
BC	1500	KO	4	ND
Luminaire type				
Light output				
		KO – opal polycarbonate cover		
			Color temperature: 2 = 2700 K 3 = 3000 K 4 = 4000 K	
				ND – no-dimmable DALI – dimmable DALI BT – bluetooth control SM – integrated active presence detector PIR – integrated passive presence detector



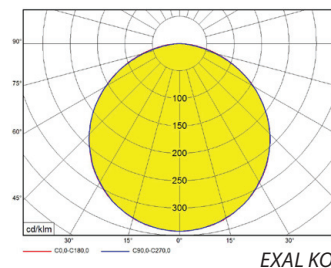
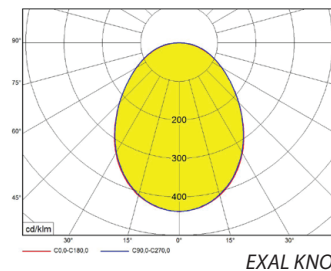
	W	lm	\emptyset	C	kg
BC1000KO	14	1400	300	82	1,3
BC1500KO	19	1900			
BC2000KO	23	2300			

lm - luminaire light output

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η_{ef} (lm/W)
103-118



Circular LED luminaire

Body:
aluminium profile
B – white RAL 9003
S – grey RAL 9006
See page 91 for another available colors

Optic:
KO - opal cover
KNO - prismatic opal cover

Installation:
Surface or pendant fitting

Accessories:
EXALCM/ZAVES - suspension set for CM fittings
EXALCS/ZAVES - suspension set for CS fittings

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	●
●	○	○	○	✗	✗	○	✗	✗

● default ○ optional ✗ not possible

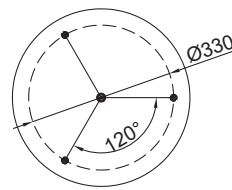
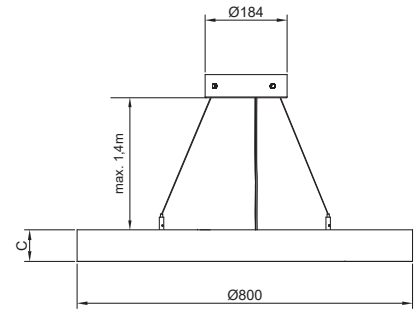
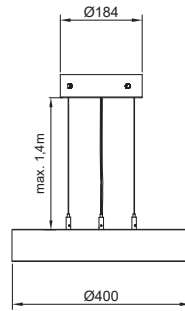


Codes: EXAL3000CS4KOPDB/ND

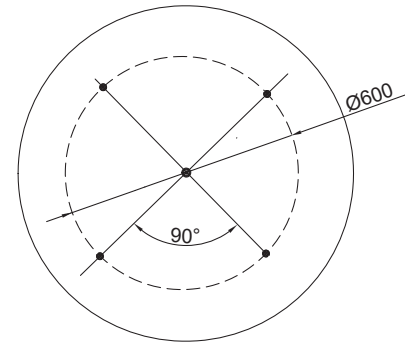
EXAL	3000	CS	4	KO	P	D	B	/ND
Luminaire type	Light output	Shape: CS = circle 400 mm CX = circle 600 mm CM = circle 800 mm	Color temperature 3 = 3000K, 4 = 4000K MIXW - tunable white	Cover type: KO - opal cover KNO - prismatic opal cover	Assembly: P = surface	light distribution: D - direkt	Colour B = white S = grey	Driver type: ND - no dimmable DALI - dimmable DALI



EXAL800



EXAL S



EXAL M

EXAL	W	lm	Ø	C	kg		
EXAL3000 CS	28	3 300	400	72	2,7		
EXAL5000 CS	41	4 700					
EXAL5000 CSMIX	42	4 700					
EXAL4000 CX	32	4 000	610		72	4	
EXAL5000 CX	40	4 900					
EXAL6000 CX	48	5 900					
EXAL8000 CM	78	8 000	800			72	6
EXAL8000 CMMIX	80	7 800					
EXAL12000 CM	96	11 900					
EXAL16000 CM	126	16 000					

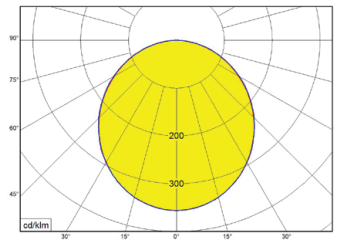
lm - luminaire light output

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GEOTM

η_{ef} (lm/W)
110-130



GEO SO

Interior LED luminaire

Body:
aluminium profile available in many colors

Optic:
SO - SATINE opal PMMA cover
KO - opal PS cover

Installation:
GEO - fitting for surface installation
GEO...Z - fitting for pendant installation

Accessories:
ZH/UNI4 - universal 4-point suspension set
ZH/UNI2 - universal 2-point suspension set
ZHG - metal ceiling box (cover of a terminal) with white power cable (2m)
- identical for all shapes of GEO
(ZHG - for non-dim fittings
ZHG5 - for dimmable fittings)

GEO shapes:

GEO T Triangle	TS = 400 mm TM = 600 mm
GEO S Square	SS = 400 mm SM = 600 mm
GEO R Rectangle	RS = 400x600 mm RM = 600x900 mm
GEO P Ring	P = 1200 mm
GEO O Oval	OS = 700x 200 mm OM = 1200 x 200 mm OL = 1700 x200 mm

Note
Fittings for pendant installation are delivered with ZHG accessories.
GEO P (ring) can be used only as pendant fitting.

2200	2700	3000	4000	5700	6500	MIX	RGB	
○	○	○	●	○	○	○	×	●
●	×	○	○	○	×	×	×	×

● default ○ optional × not possible



Code: GEOS3000SO4/9003/ND

GEO	SS	3000	SO	4		/9003	/ND
Luminaire type:	Face	Light output (lm)	Cover type SO - SATINE opal PMMA KO - opal PS	Color temperature: 3 = 3000K, 4 = 4000K MIX - tunable white	Mounting method: Z= hanging	Color RAL 9003 9005 9006 9007 355, 2316, 2303	Driver type ND - no dimmable DALI - dimmable DALI BTC - Casambi bluetooth control

Barevné varianty:

9003 = white RAL9003
9005 = black RAL9005



2316 = dark blue,
Y2316F, série Ambre 2525 Sablé



9006 = grey RAL9006
9007 = grey RAL9007



2303 = dark blue
Y2303I, série Brisbane Sablé



355 = dark brown
YX355F, série Mars 2525 Sablé



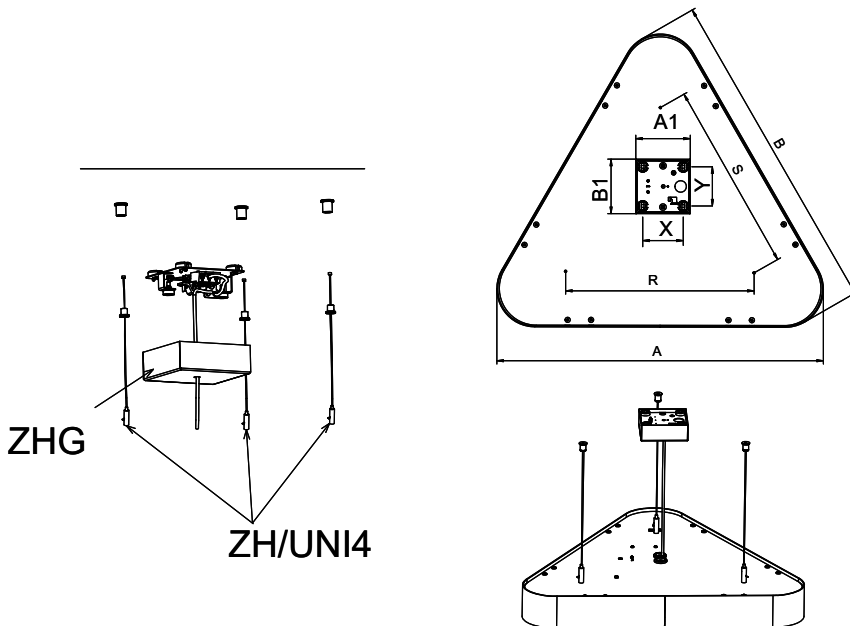
Other colors available on
<https://www.interpon.com/bg/coatings/overview>



ZHG – ceiling box with power cable

- In identical color as GEO fitting
- ZHG – white cable 3x0,75mm (non-dimm fittings), length 2m
- ZHG5- white cable 5x0,75mm (dimmable fittings), length 2m

A1	B1	X	Y
120	120	91	91



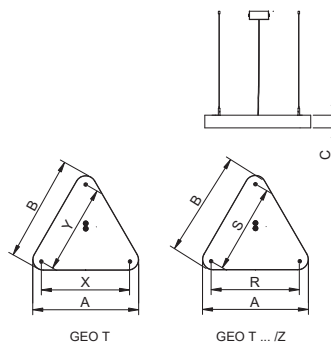
lm - luminaire light output

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GEO T



GEO T



GEO T

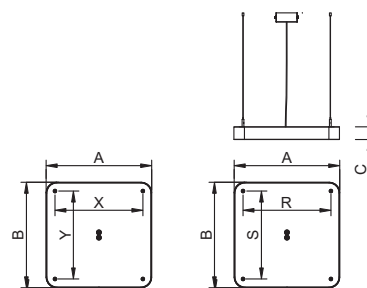
GEO T .../Z

	W	lm	A	B	C	X	Y	R	S	kg
GEO TS1500	15	1 800	400	400	72	200	180	-	-	2,4
GEO TS3000	31	3 500								
GEO TM4000	28	3 800	600	600		500	500	350	350	
GEO TM6000	48	6 400								

GEO S



GEO S

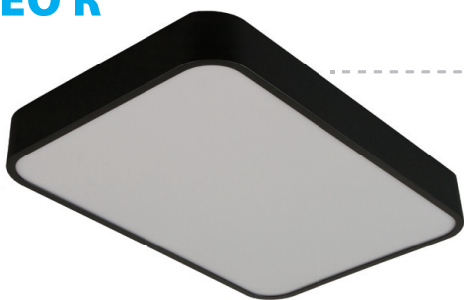


GEO S

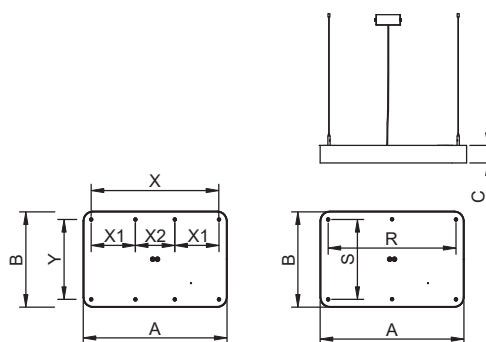
GEO S .../Z

	W	lm	A	B	C	X	Y	R	S	kg
GEO SS2000	16	2 200	400	400	72	300	300	200	200	4,2
GEO SS3000	23	3 100								
GEO SS4000	30	4 150								
GEO SM3000	22	3 100	600	600		500	500	300	300	
GEO SM4000	29	4 100								
GEO SM6000	42	6 100								

GEO R



GEO R



GEO R

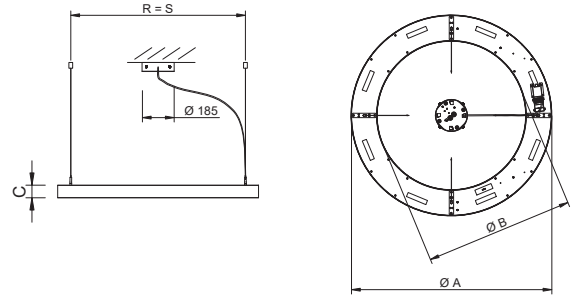
GEO R .../Z

	W	lm	A	B	C	X	X1	X2	Y	R	S	kg
GEO RS3000	23	3 100	600	400	72	500	-	-	300	300	200	4,2
GEO RS4000	32	4 000										
GEO RM6000	45	6 300	900	600		800	260	260	500	450	300	
GEO RM8000	63	8 200										

GEO P

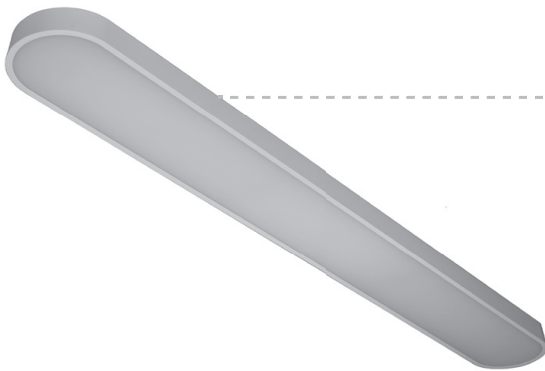


GEO P

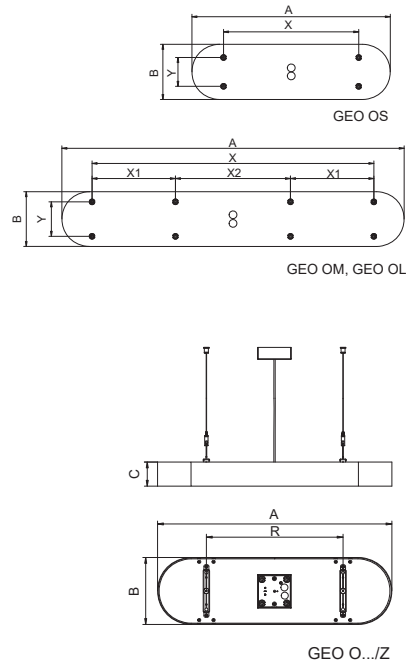


	W	lm	A	B	C	R	S	kg
GEO PL8000	80	9600	1150	850	72	1000	1000	12
GEO PL12000	93	11500						

GEO O



GEO O

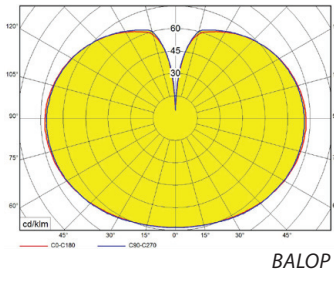


	W	lm	A	B	C	X	X1	X2	Y	R	kg
GEO OS3000	24	2 800	700	200	72	470	-	-	120	410	4,2
GEO OM4000	32	4 100	1200			980	290	400		-	6,3
GEO OM6000	53	6 700	1700			980	290	400		980	8,8
GEO OL5000	35	4 600									
GEO OL7000	51	6 600									
GEO OL9000	61	8 100									

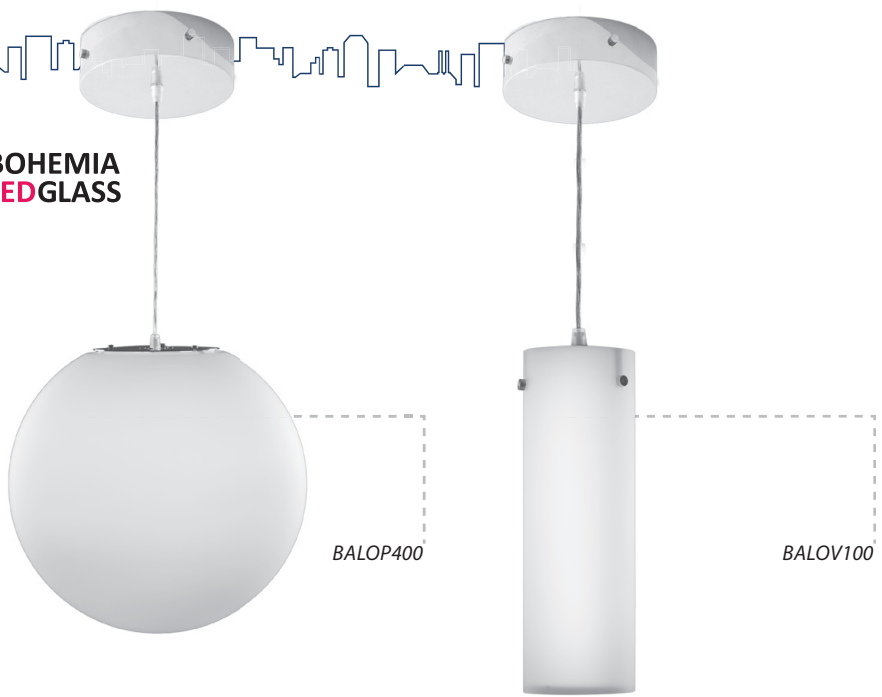
BAL

EN 62471
RG 0

η_{ef} (lm/W)
85-103



BOHEMIA LEDGLASS



Pendant LED fittings with glass cover

- Body:** White painted metal sheet
- Optic:** TRIPLEX opal glass
- Variants:** BAL OP – opal ball
BAL OV – opal cylinder
- Suspension:** Self-supporting transparent 2 m cable

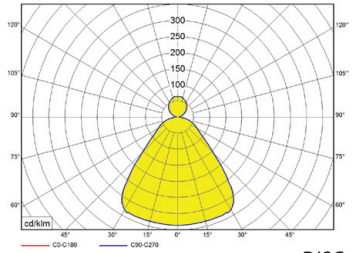
	W	lm	Ø	kg
BALOP200	20	2 000	200	2
BALOP400	40	4 100	400	4
BALOV100	20	1 700	100	2

lm - luminaire light output

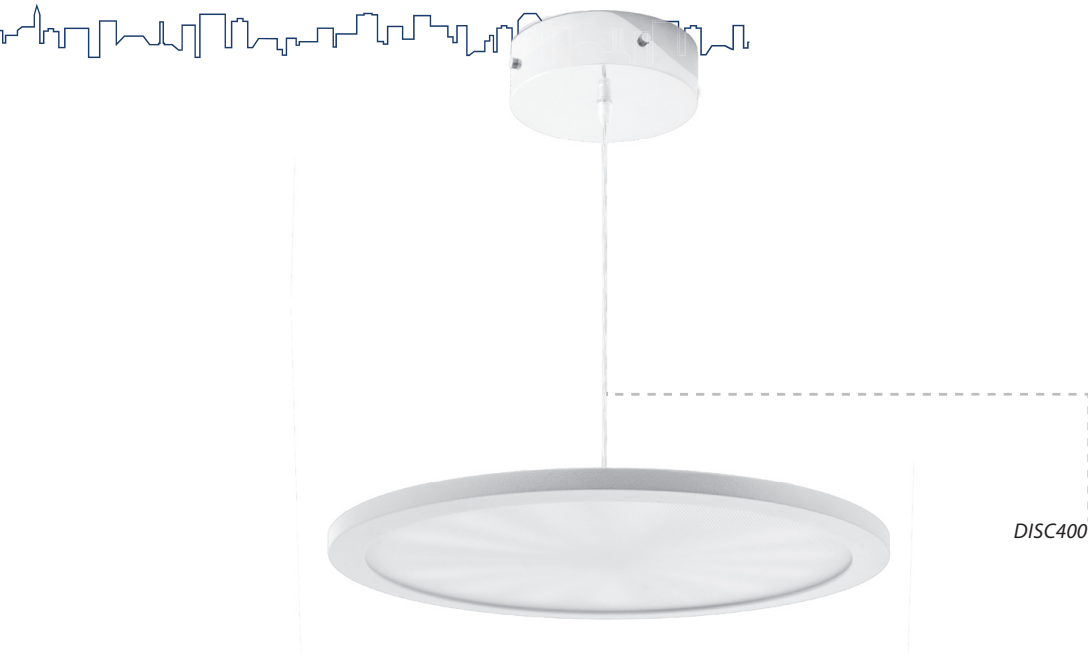
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	○	○	○	○	×	×
●	×	○	○	×	×	×	×	×

● default ○ optional × not possible





DISC













Pendant LED fittings

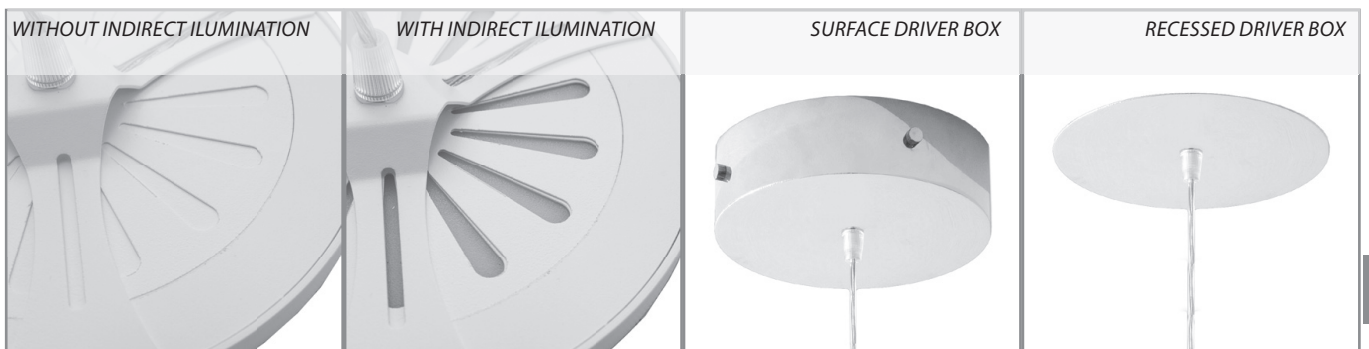
- Body:** White painted (RAL 9003) aluminium ring
- Optic:** Translucent acrylic layer + microprismatic cover
- Variants:** DISC P – fitting with surface drive box
DISC V – fitting with recessed drive box
- Suspension:** Self-supporting transparent 2m cable

	W	lm	∅	kg
DISC200	10	1 000	200	1,5
DISC400	26	2 900	400	2,5

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	×	×	×	×	×
								
●	×	○	×	×	×	×	×	×

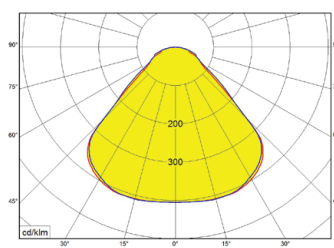
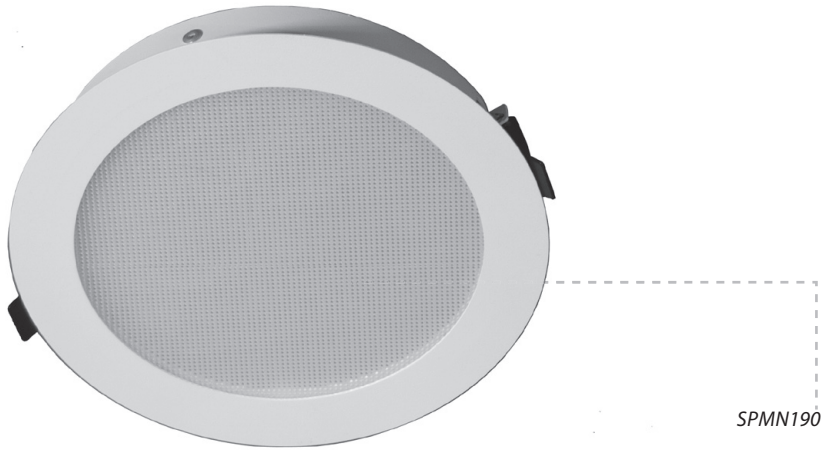
● default ○ optional × not possible



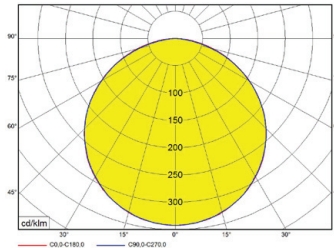
SPMN

LED **220/240 V 50-60 Hz** **SDCM 3** **DIMM** **IP 20** **IP 54**
EN 62471 RGO **CRI 80** **EEC A+** **80000 L80B50**

η_{ef} (lm/W)
83-100



SPMN KN



SPMN KO

Recessed round fittings

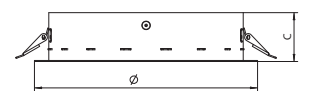
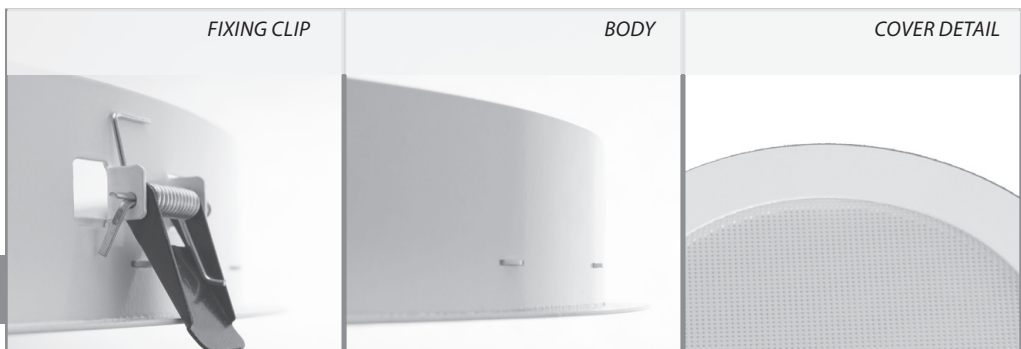
- Body:** White painted (RAL 9003) metal sheet
- Optic:** Translucent acrylic layer with a microprismatic cover
- Application:** Recessed installation into gypsum or raster ceiling

SPMN	W	lm		Ø	C	□	kg
		KO	KN				
SPMN1000 E190	12	1 100	1 200	210	46	190	0,9
SPMN1500 E190	18	1 500	1 600				
SPMN3000 E370	28	2 800	3 000	390		370	2
SPMN4000 E370	36	3 400	3 600				

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	○	✗	✗	✗	✗	○	✗

● default ○ optional ✗ not possible

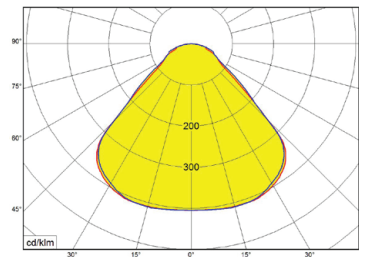


SPMP

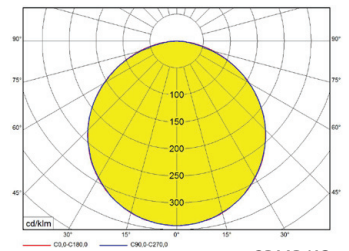
LED 220-240 V 50-60 Hz **SDCM 3** **DIMM** **IP 20** **CRI 80**
EN 62471 RG 0 **EEC A+** **80000 L80B50**
 η_{ef} (lm/W)
71-100



SPMP190



SPMP KN



SPMP KO

Surface round fittings

Body:
White painted (RAL 9003) metal sheet

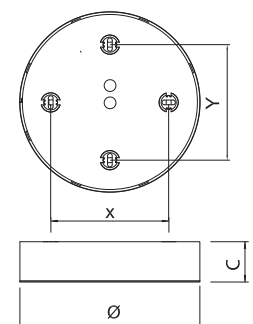
Optic:
Translucent acrylic layer with a cover
KN - microprismatic cover
KO - opal cover

SPMP	W	lm		C	Ø	X	Y	kg
		KO	KN					
SPMP 190 /350	14	1 100	1 100	41	190	120	140	0,9
SPMP 190 /500	22	1 700	1 800					
SPMP 370 /700	28	2 400	2 600	45	370	200	230	2,0
SPMP 370 /900	36	3 000	3 200					
SPMP 550 /900	34	3 200	3 400					
SPMP 550 /1050	40	3 600	3 900					

lm - luminaire light output

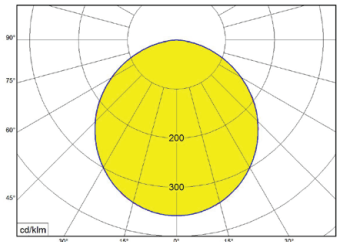
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	○	○	✗	✗	✗	✗	✗

● default ○ optional ✗ not possible



LED
 220/240 V 50-60 Hz
 SDCM 3
 DIMM
 IP 40
 IP 20
EN 62471 RGO
 CRI 80
 EEC A+
 80000 L80B50

η_{ef} (lm/W)
100-105



DS2000KO



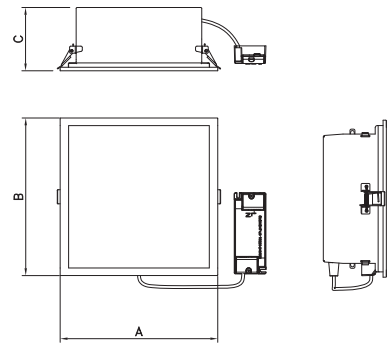
DS2000KO

Recessed LED fitting

Body:
White painted (RAL 9016) metal sheet

Optic:
KO - opal PS cover

Application:
Recessed installation into a false ceiling

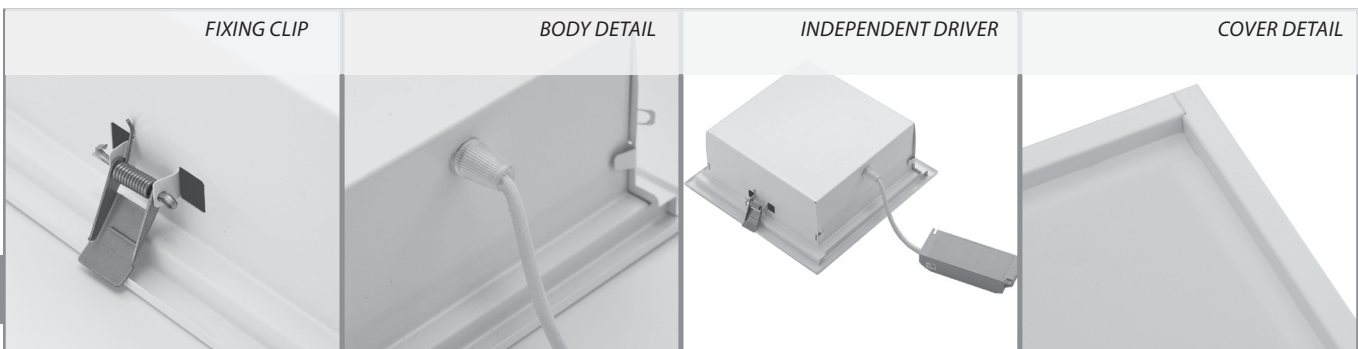


	W	lm	A	B	C		kg
DS1000	10	1 000	224	224	90	210X210	0,7
DS2000	19	2 000					

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	○	○	✗	✗	✗	○	✗

● default ○ optional ✗ not possible



LED

220
240 V
50-60 Hz

SDCM
3

DIMM

IP
20

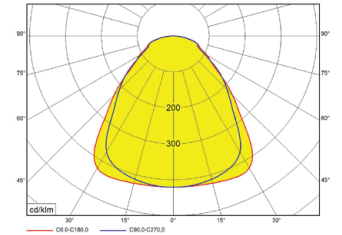
CRI
80

EN
62471
RG 0

EEC
A+

80000
L80B50

η_{ef} (lm/W)
100-106



SPMS 2000

Recessed fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

Translucent acrylic layer with a microprismatic cover

Application:

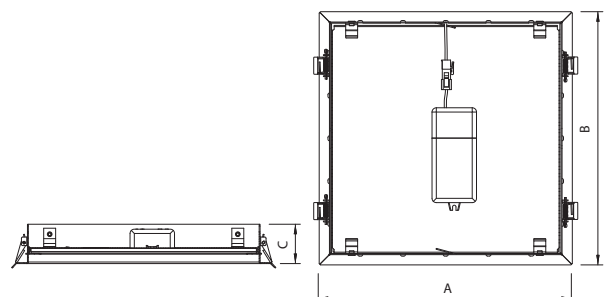
Recessed installation into gypsum or raster ceiling

	W	lm	A	B	C		kg
SPMS2000KN	17	1 800	296	296	46		282x282
SPMS3000KN	23	2 300					

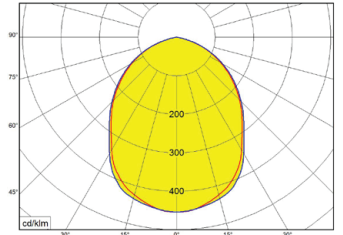
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	○	○	✗	✗	✗	○	✗

● default ○ optional ✗ not possible



	LED	220 240 V 50-60 Hz	SDCM 3	DIMM 	IP 43	CRI 80
EN 62 471 RG 0	EEC A+	80000 L80B50	η_{ef} (lm/W) 94-107			



SPMI3000

Recessed LED downlights

Body:
White painted aluminium body

Optic:
Highly polished aluminium reflector
Opal glass cover

Application:
Recessed downlight for installation into false ceiling.

Versions:
B - reflector diameter 130 mm
C - reflector diameter 190 mm
D - reflector diameter 240 mm

2200	2700	3000	4000	5000	6500	MIX	RGB	
×	○	○	●	○	×	×	×	×
●	○	○	×	×	×	×	○	×

● default ○ optional × not possible

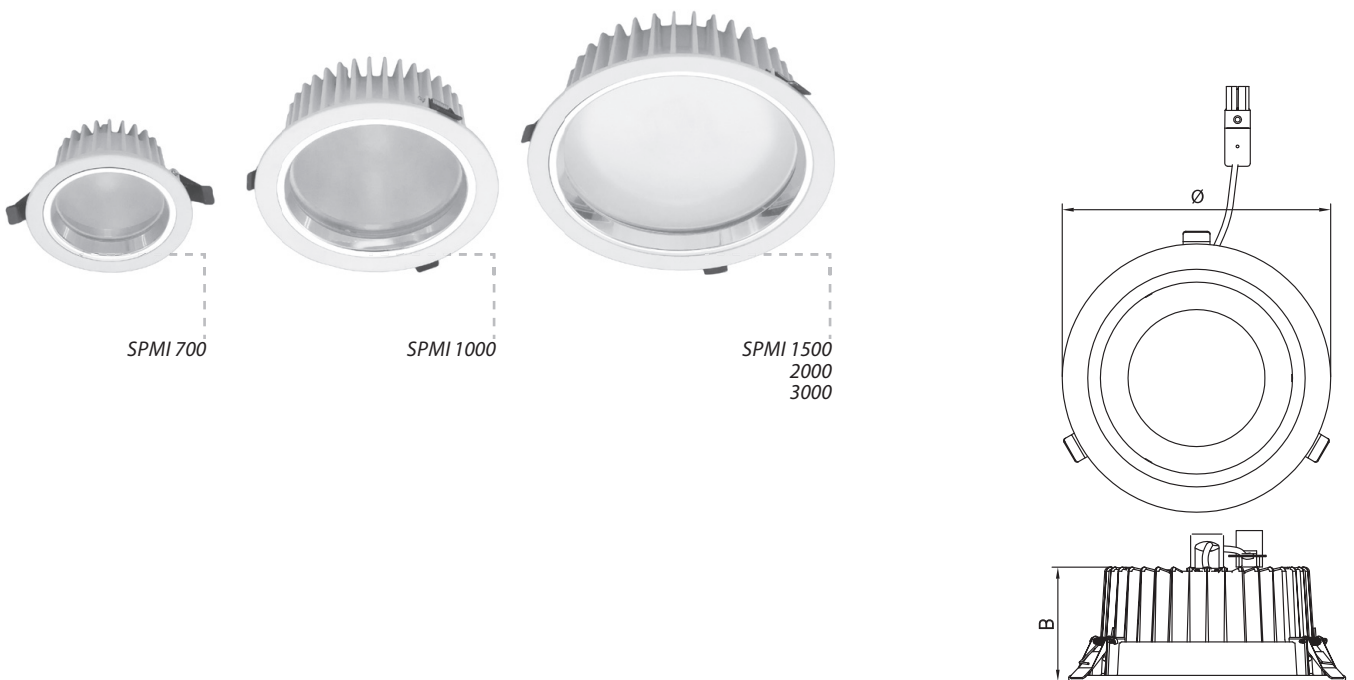


Codes: SPMI1000KO3V2CB/ND

SPMI	1000	KO	3	V2	C	B	/ND
Luminaire type							
Light output (lm)							
Cover type: O – opal glass							
Color temperature: 3 = 3000K 4 = 4000K							
Used LEDs							
Body diameter: B – body size 130 mm (4") C – body size 190 mm (5") ring outside diameter D – body size 240 mm (6") ring outside diameter							
Body colour: B – white							
Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI							

SPMI	SPMI700	SPMI1000	SPMI1500	SPMI2000	SPMI3000
Power	8 W	10 W	15 W	20 W	28 W
luminaire light output	750 lm	1000 lm	1500 lm	2100 lm	3000 lm
efficiency	94 lm/W	100 lm/W	100 lm/W	105 lm/W	107 lm/W
conventional lamps equivalent *	1x13W	2x13W 1x18W	2x18W 1x26W	2x26W 1x42W	2x42W

* approximate comparison, does not replace light calculation



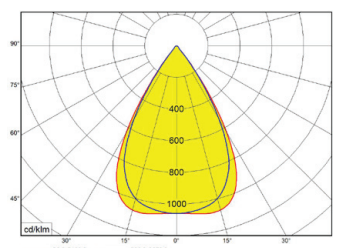
	W	lm	Ø	B	□	kg
SPMI700KO	8	750	130	64	122	0,7
SPMI1000KO	10	1 000	190	78	178	1
SPMI1500KO	15	1 500	240	87	225	2
SPMI2000KO	20	2 100				
SPMI3000KO	28	3 000				

lm - luminaire light output

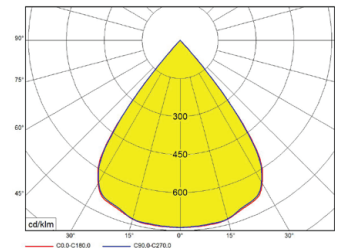
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

	LED	220 240 V 50-60 Hz	SDCM 3	DIMM	
	EN 62471 RG 0	IP 20	CRI 80	EEC A+	80000 L80B50

η_{ef} (lm/W)
104-133



ESD B50



ESD B80

Recessed LED downlight

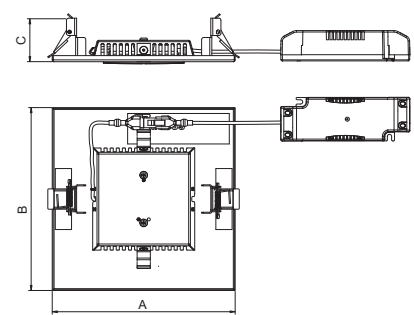
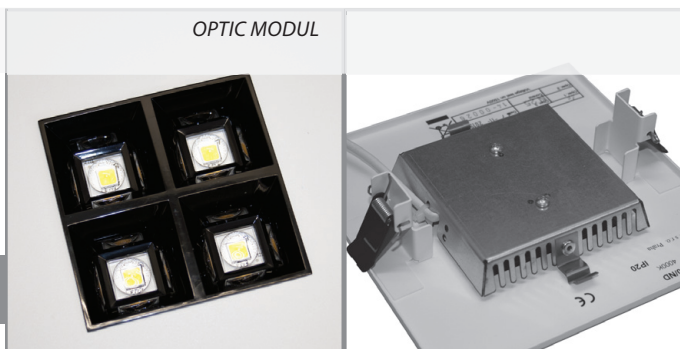
- Body:**
White (black) painted metal sheet
- Optic:**
PC reflector + clear PMMA lenses
B50 - white reflector with lenses 50°
B80 - white reflector with lenses 80°
C50 - black reflector with lenses 50°
C80 - black reflector with lenses 80°
- Application:**
- recessed installation.
- Accessories:**
NM – independent emergency module

ESD	W	lm		A	B	C		kg
		B50, B80	C50, C80					
ESD1000	9	1 200	1 100	180	180	45		1,0
ESD1500	14	1 600	1 450					

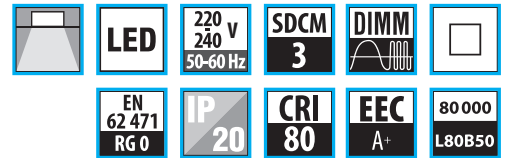
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	×	×	×	●
●	×	○	○	×	×	×	○	×

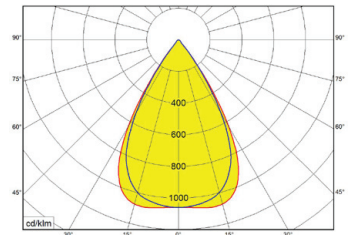
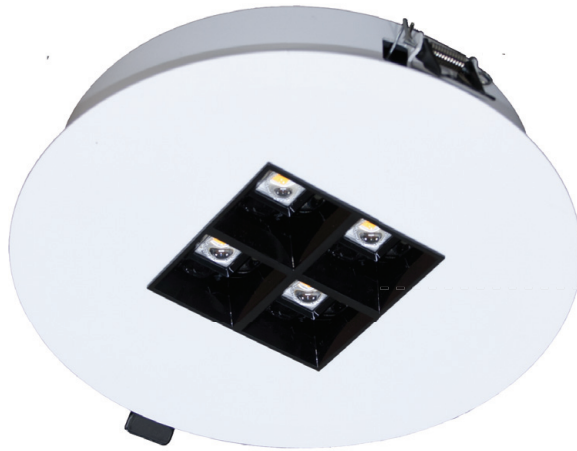
● default ○ optional × not possible



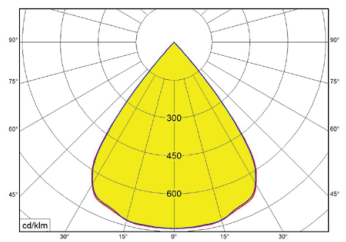
SPMDO



η_{ef} (lm/W)
104-133



SPMDO B50



SPMDO B80

Recessed LED downlight

Body:

White (black) painted metal sheet

Optic:

PC reflector + clear PMMA lenses

B50 - white reflector with lenses 50°

B80 - white reflector with lenses 80°

C50 - black reflector with lenses 50°

C80 - black reflector with lenses 80°

Application:

- recessed LED downlight

Accessories:

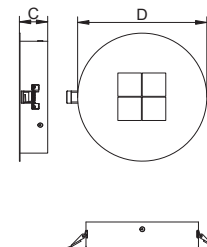
NM – independent emergency module

SPMDO	W	lm		D	C	□	kg
		B50, B80	C50, C80				
SPMDO1000	9	1 200	1 100	210	45	190	1,0
SPMDO1500	14	1 600	1 450				

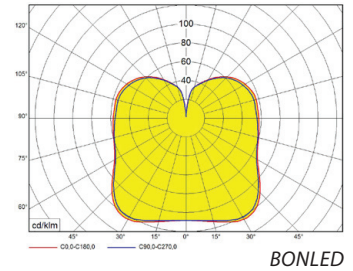
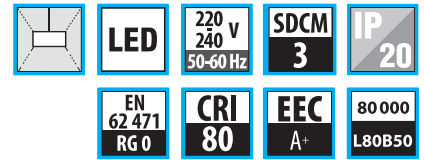
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	○	○	×	×	×	○
●	×	○	○	×	×	×	○	×

● default ○ optional × not possible



BON LED



BON LED

Pendant LED luminaires

Body:
Grey painted aluminium body RAL9003, RAL9005, RAL9016

Optic:
PC – profilled semi-opal polycarbonate cover

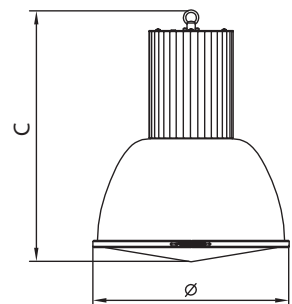
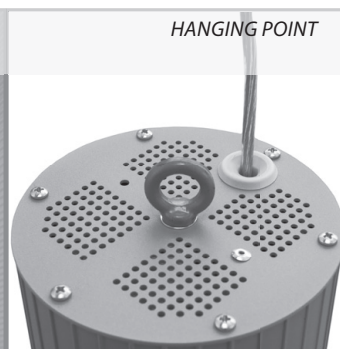
Application:
Pendant luminaire for general using in industrial or shopping areas.

	W	lm	lm/W	C	Ø	kg
BONLED&	40	4 300	108	330	330	3,3

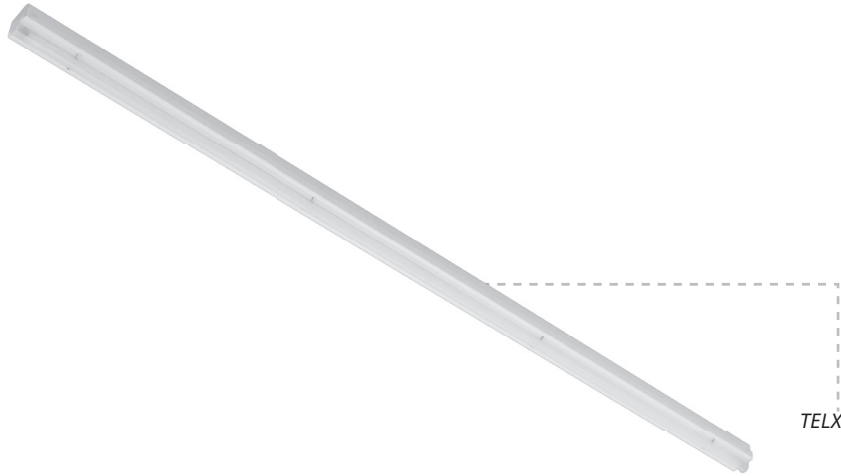
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	×	×	×	●
●	×	×	×	×	×	×	×	×

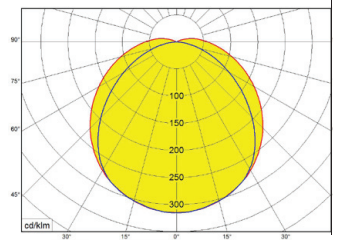
● default ○ optional × not possible







η_{ef} (lm/W)
138-153



TELX

LED linear fittings

Body:
White painted (RAL 9003) metal sheet

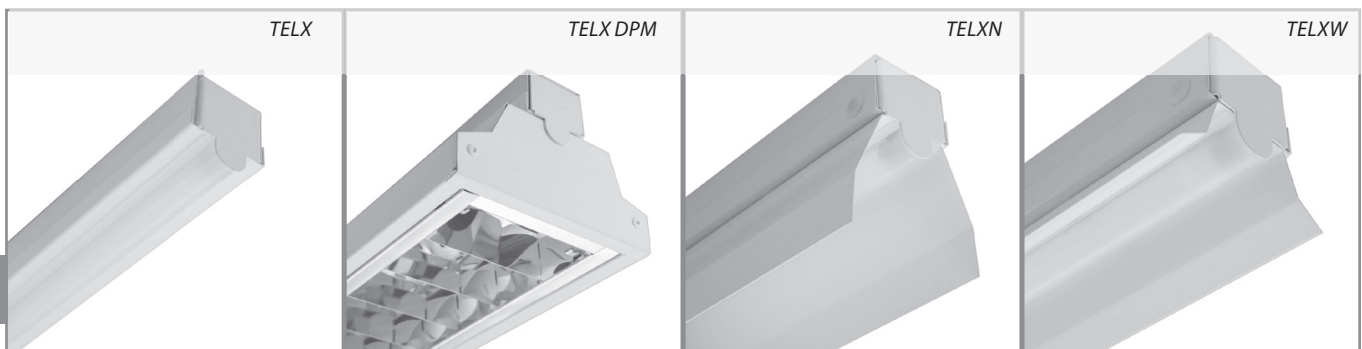
Optic:
KV opal cover of LED modules
TELX – without reflector
TELXN – white painted reflector – narrow beam
TELXW – white painted reflector – wide beam
TELXDPM – matparabolic aluminium louvre

Application:
Surface or pendant installation
Can be installed in line, TELX R (wider body)

Accessories:
ZH/UNI4 – universal 4-wires suspension set (one set for 2 luminaires)
TELSPOJ linear junction set
TELHAK suspension for chain
TEL1LKV/R - „blind“ part without electrocomponents

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	○
●	○	○	○	✗	✗	✗	✗	○

● default ○ optional ✗ not possible

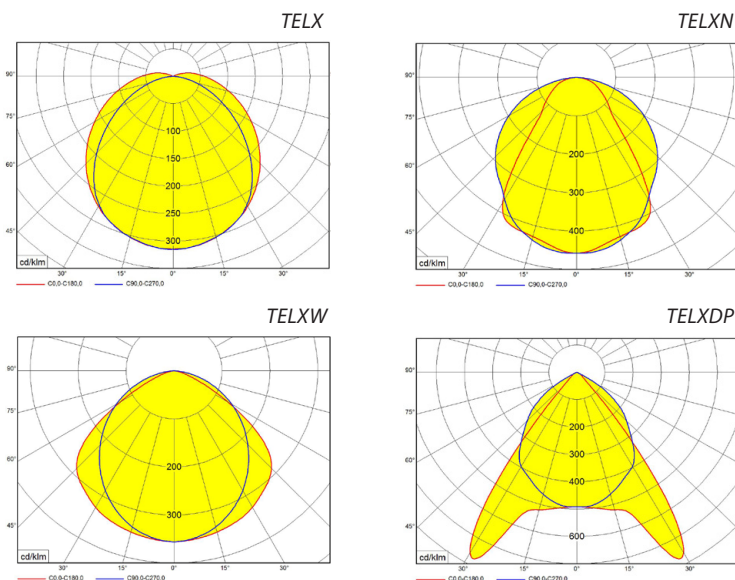


Codes: TELX500L3/ND/R

TELX	5000	L	3	/ND	/R
Luminaire type TELX – without reflector TELXN – narrow beam TELXW – wide beam TELX DPM – reflector with louvre	Light output	body length: S = 600 mm XM = 750 mm M = 1200 mm L = 1500 mm	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	Driver type: ND – no dimmable DALI – dimmable DALI	continuous assembly to line

code	W	lm	lm/W	lm/m	length
LOW POWER					
TELX1500S	10	1500	150	2 500	605
TELX3000M	21	3200	152		1186
STANDARD					
TELX2000S	14	2100	150	3 500	605
TELX2500 XM	18	2550	142		750
TELX4000M	27	4100	152		1186
TELX5000L	34	5200	153		1484
HIGH POWER					
TELX3000S	21	3000	143	5 000	605
TELX3500 XM	27	3800	141		750
TELX5500M	42	5800	138		1186
TELX7000L	50	7250	145		1484
EXTRA HIGH POWER					
TELX5000 XM	35	5100	146	6 700	750
TELX10000L	69	9900	143		1484

To keep an uniform luminance of whole fittings line, luminaires must be used with the same power (lm/m)



Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

**TELX - without reflector**

			A	B	C	X	R	kg
TELX1500S	10	1500	605	38 (46 TELX /R)	47	500	545	0,8
TELX3000M	21	3200	1186	38 (46 TELX /R)		900	1095	1,4
TELX2000S	14	2100	605	38 (46 TELX /R)		500	545	0,8
TELX2500 XM	18	2550	750	38 (46 TELX /R)		650	690	1
TELX4000M	27	4100	1186	38 (46 TELX /R)		900	1095	1,4
TELX5000L	34	5200	1484	38 (46 TELX /R)		1200	1395	2
TELX3000S	21	3000	605	38 (46 TELX /R)		500	545	0,8
TELX3500 XM	27	3800	750	38 (46 TELX /R)		650	690	1
TELX5500M	42	5800	1186	38 (46 TELX /R)		900	1095	1,4
TELX7000L	50	7250	1484	38 (46 TELX /R)		1200	1395	2
TELX5000 XM	35	5100	750	38 (46 TELX /R)		650	690	1
TELX10000L	69	9900	1484	38 (46 TELX /R)		1200	1395	2

**TELX N - narrow beam reflector**

			A	B	C	X	R	kg
TELXN1500S	10	1400	605	61	84	500	545	1,2
TELXN3000M	21	2900	1186			900	1095	2
TELXN2000S	14	1950	605			500	545	1,2
TELXN2500 XM	18	2350	750			650	690	1,5
TELXN4000M	27	3800	1186			900	1095	2
TELXN5000L	34	4800	1484			1200	1395	3
TELXN3000S	21	2800	605			500	545	1,2
TELXN3500 XM	27	3500	750			650	690	1,5
TELXN5500M	42	5350	1186			900	1095	2
TELXN7000L	50	6700	1484			1200	1395	3
TELXN5000 XM	35	4600	750			650	690	1,5
TELXN10000L	69	9150	1484			1200	1395	3

**TELX W - wide beam reflector**

			A	B	C	X	R	kg
TELXW1500S	10	1450	605	59	57	500	545	1,2
TELXW3000M	21	3000	1186			900	1095	2
TELXW2000S	14	2000	605			500	545	1,2
TELXW2500 XM	18	2400	750			650	690	1,5
TELXW4000M	27	3900	1186			900	1095	2
TELXW5000L	34	4900	1484			1200	1395	3
TELXW3000S	21	2900	605			500	545	1,2
TELXW3500 XM	27	3600	750			650	690	1,5
TELXW5500M	42	5450	1186			900	1095	2
TELXW7000L	50	6800	1484			1200	1395	3
TELXW5000 XM	35	4700	750			650	690	1,5
TELXW10000L	69	9300	1484			1200	1395	3

**TELX DPM - reflector with louvre**

			A	B	C	X	R	kg
TELXDPM3000M	21	2300	1186	59	87	900	1095	2,5
TELXDPM2500 XM	18	1850	750			650	690	1,8
TELXDPM4000M	27	3000	1186			900	1095	2,5
TELXDPM5000L	34	3800	1484			1200	1395	3,5
TELXDPM3500 XM	27	2800	750			650	690	1,8
TELXDPM5500M	42	4200	1186			900	1095	2,5
TELXDPM7000L	50	5250	1484			1200	1395	3,5
TELXDPM5000 XM	35	3700	750			650	690	1,8
TELXDPM10000L	69	7300	1484			1200	1395	3,5

lm – luminaire light output

TELX /R

Continuous assembly in a line

Surface or pendant installation

Fittings are equipped with continuous 5-poles wiring 5x1,5 mm² with connectors

Non-dimmable fittings have black connectors and allow 3-phase connection

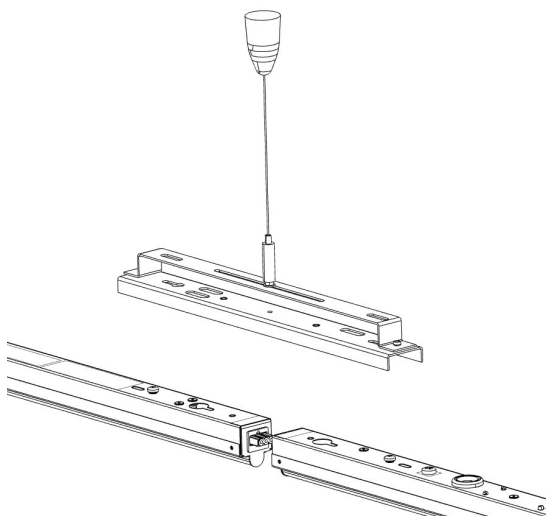
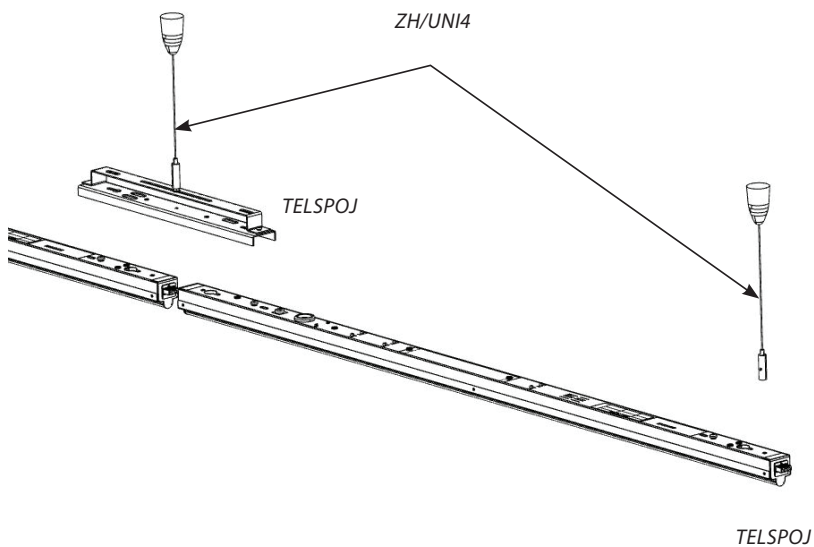
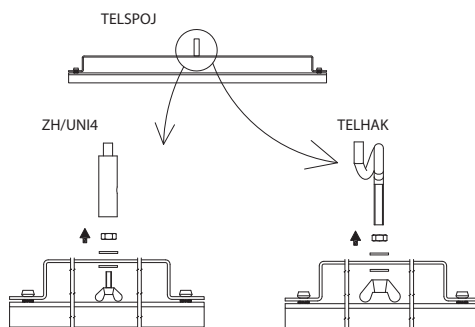
Dimmable fittings have blue connectors and allow 1-phase connection with DALI control

Fittings L (1500 mm) and M (1200 mm) have connectors at both ends and contain a plastic cap for covering of connectors gap

Fittings S (600 mm) or XM (750 mm) can be used only at the beginning (START) or end of a row (END), they have a connector in only one face

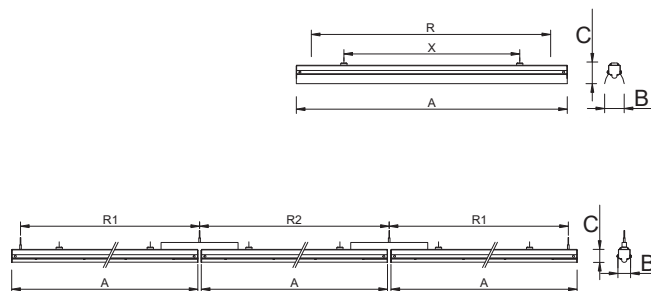
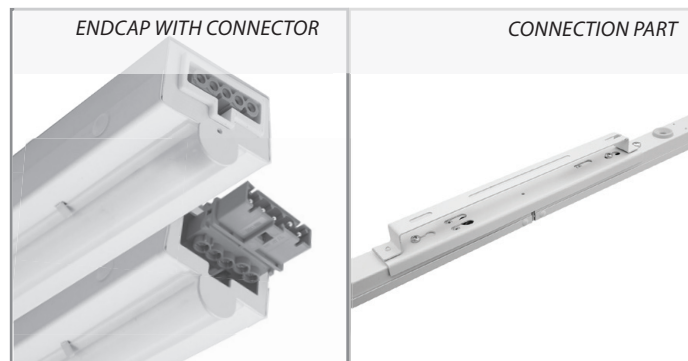
To keep an uniform luminance of whole fittings line, luminaires must be used with the same brightness - same power lm /m

For surface mounted installation of lines is not necessary to use the connection part TELSPOJ.



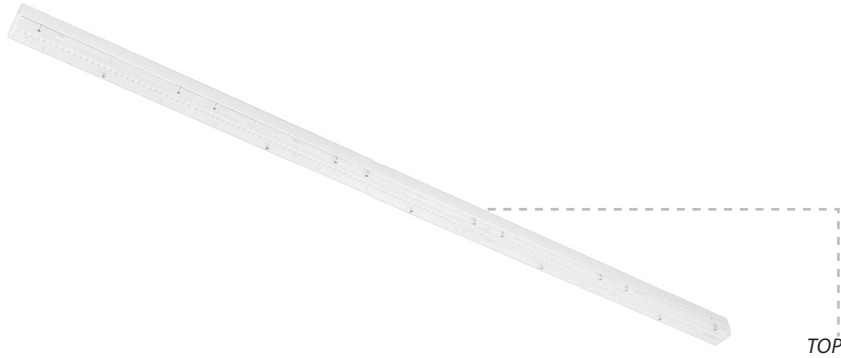
Dimensional table of mounting in lines:

	R1	R2	X
TELX_S/R	555	605	465
TELX_XM/R	654	750	630
TELX_M/R	1090	1186	1 066
TELX_L/R	1390	1486	1 366

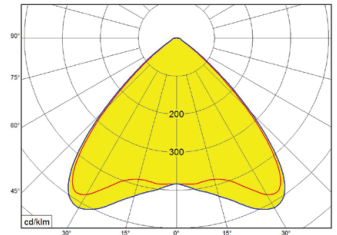


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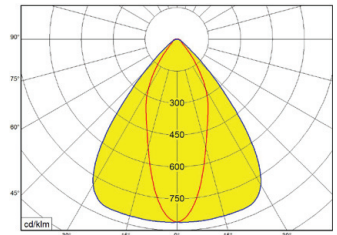
TOP



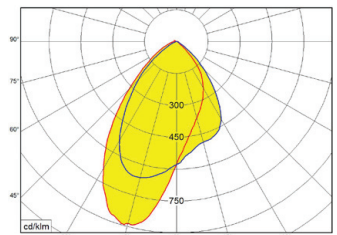
η_{ef} (lm/W)
141-161



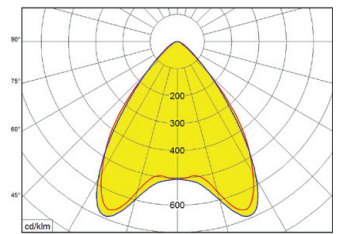
TOP CEW



TOP CHR



TOP CRA



TOP CW

LED linear fittings

Body:
White painted (RAL 9003) metal sheet

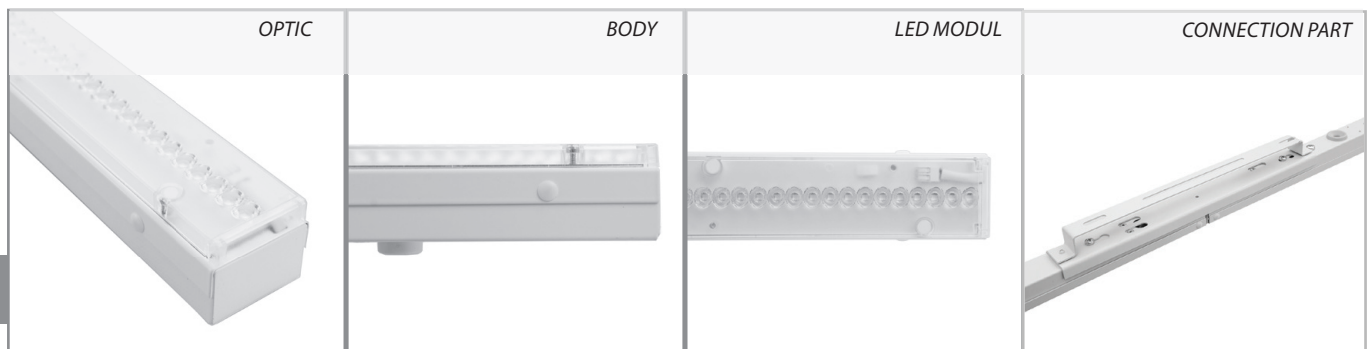
Optic:
CHR – high rack
CW – wide 60°
CEW – extra wide 90°
CRA – retail asymmetric

Application:
Surface or pendant installation
Can be installed in line, TOP/R
TOP...IP23 - high IP protection

Accessories:
ZH/UNI4 – universal 4-wires suspension (one set for 2 luminaires)
TELSPOJ linear junction set
TELHAK suspension for chain
TOP_/R - blind parts to complete rows
TOPSPOJ/IP23 - connection part IP23

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	○	○	○	✗	✗	✗	✗	○

● default ○ optional ✗ not possible



Codes: TOP6000L4CW/ND/R

TOP	6000	L	4	CW	/ND	/R
Luminaire type	Light output	Body length: S = 600 mm M = 1200 mm L = 1500 mm	Color temperature: 3 = 3000K 4 = 4000K	Optic CHR – high rack CW – wide 60° CEW – extra wide 90° CRA – retail asymmetric	Driver type: ND – no dimmable DALI – dimmable DALI	continuous assembly to line

TOP /R

Continuous assembly in a line

Surface or pendant installation

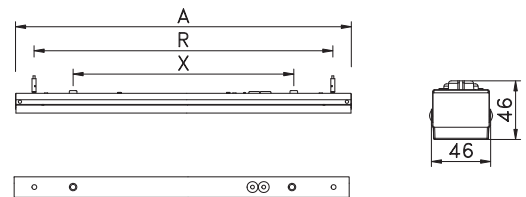
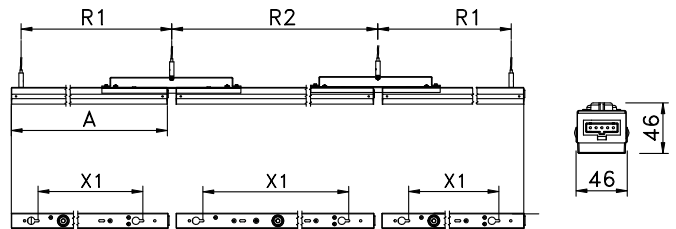
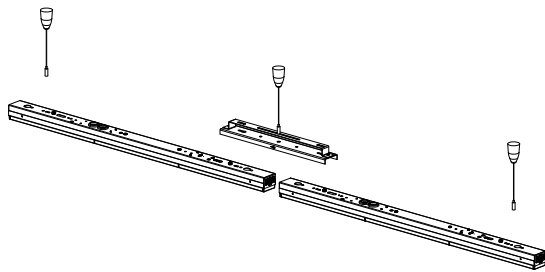
Fittings are equipped with continuous 5-poles wiring 5x1,5 mm² with connectors

Non-dimmable fittings have black connectors and allow 3-phase connection

Dimmable fittings have blue connectors and allow 1-phase connection with DALI control

Fittings have connectors at both ends and contain a plastic cap for covering of connectors gap

For surface mounted installation of lines is not necessary to use the connection part TELSPOJ.



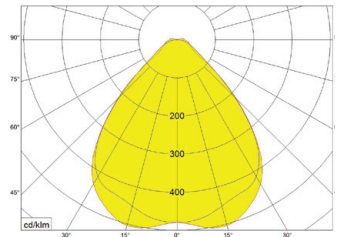
	W	lm	A	X	X1	R	R1	R2	kg
TOP2000S	15	2 300	572	470	X	500	X	X	1
TOP3000S	22	3 100							
TOP3000XM	21	3 200	853	750	733	690	757	853	1,2
TOP4000XM	32	4 700							
TOP4000M	29	4 300	1134	950	1014	980	1037	1134	1,6
TOP6000M	44	6 300							
TOP4000L	23	3 700	1415	1200	1295	1100	1208	1415	2
TOP6000L	37	5 800							
TOP8000L	54	8 000							

lm - luminaire light output

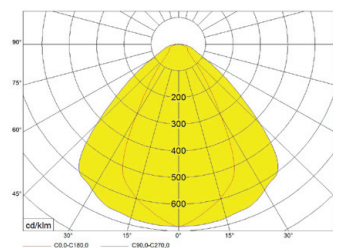
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

TIP

η_{ef} (lm/W)
134-147



TIP CW



TIP CN

LED linear fittings

Body:
White painted (RAL 9003) metal sheet

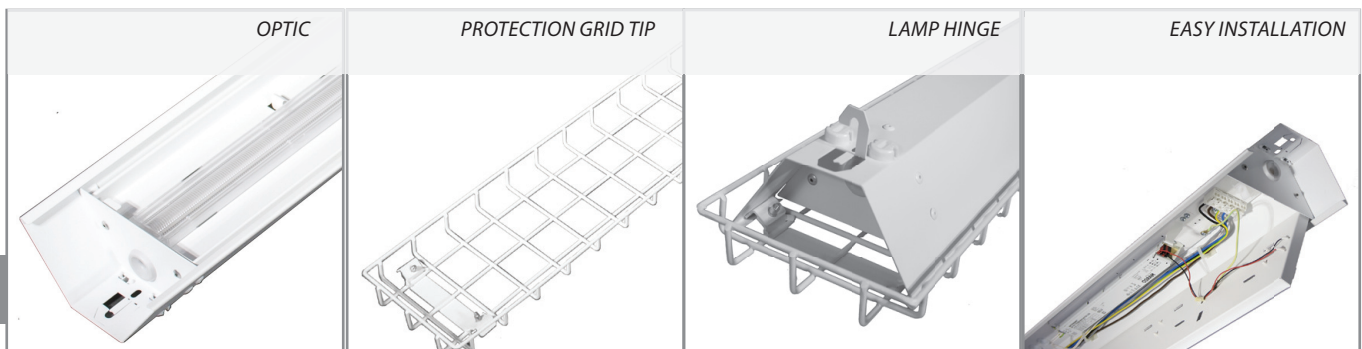
Optic:
CW –wide 110°
CN –narrow 60°

Application:
Surface or pendant installation
Can be installed in continuous row – fittings are equipped with three wiring 5x1,5 as standard

Accessories:
ZH/UNI4 – universal 4-wires suspension (one set for 2 luminaires)
OMTIPM – protection grid TIP M
OMTIPL – protection grid TIP L

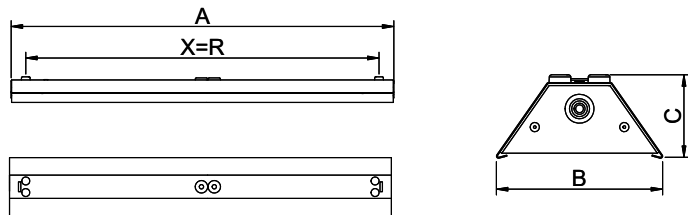
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	✗	○	✗	✗	○	○	✗	✗

● default ○ optional ✗ not possible



Code: TIP8000L4CW1/ND

TIP	8000	L	4	CW	1	/ND
Luminaire type						
Light output						
Body length:						
M = 1252 mm						
L = 1534 mm						
Color temperature						
2 = 2700 K,						
3 = 3000 K,						
4 = 4000 K,						
5 = 5700 K,						
6 = 6500 K						
Optic:						
CW – wide 90°						
CN – narrow 60°						
CHR – high rack 35°						
CRA – retail asymmetric						
Nr of LED modules						
Driver type:						
ND – no dimmable						
DALI – dimmable DALI						



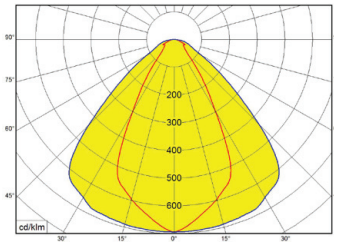
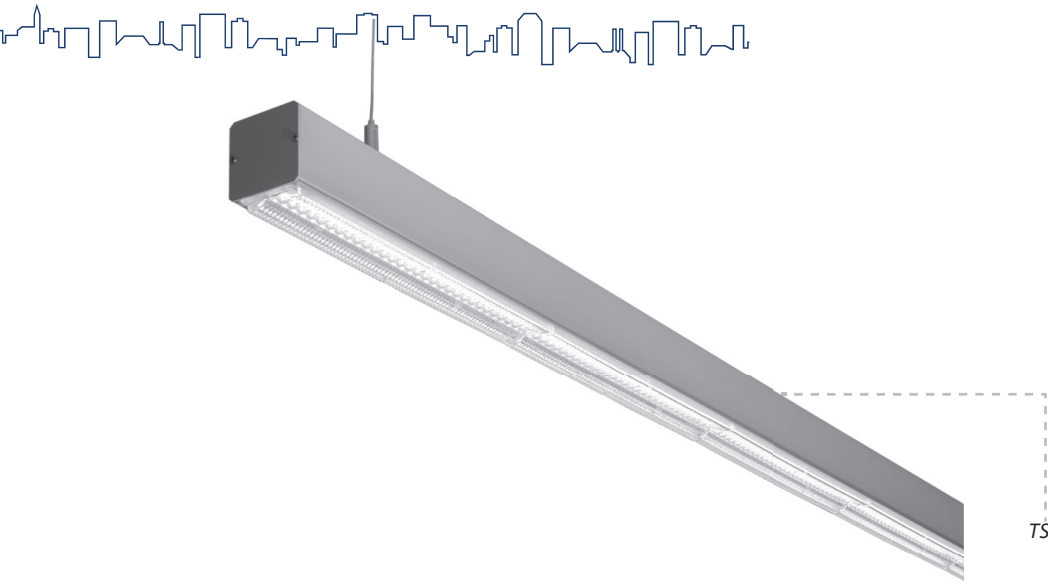
	W	lm		A	B	C	X	kg
		CW	CN					
TIP6000 M1	38	5 600	5 300	1284	145	73	1204	3,8
TIP12000 M2	74	11 000	10 400					4
TIP8000 L1	57	8 200	7 800	1584			1504	4,8
TIP16000 L2	114	16 100	15 300		5			

lm - luminaire light output

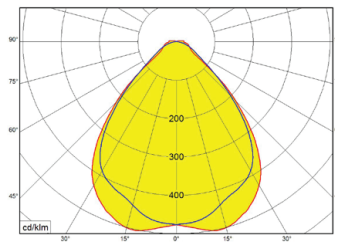
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

LED
 220/240 V
50-60 Hz
 SDCM 3
 DIMM
 IP 20
 CRI 80
 EEC A+
EN 62471 RG 0
 80000 L80B50

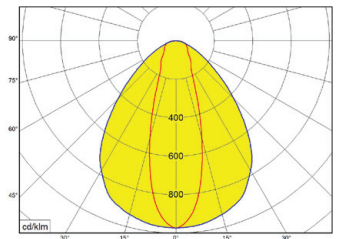
η_{ef} (lm/W)
125-159



CN



CW



CHR

Linear fittings

- Body:**
Eloxal aluminium profile
- Optic:**
Linear plastic optics
CN – narrow 60°
CW – wide 90°
CHR – high rack 35°
CRA – retail asymmetric
KO – opal cover
KN – prismatic cover
- Application:**
Installation into continuous line

- TS/B/...gear tray – light unit with optic**
- TS/C/...accessories**
 TS/C/PS...connection set for power cable entry
 TS/C/KS ... output cable set
 TS/C/L...blind tray (cover) 1422 mm
 TS/C/HAK...pendant set – 2 hooks for chain suspension
 TS/C/SUA/L – sensor unit incl. DALI controller
 TS/C/SUP/L – unit with a PIR sensor
 TS/C/ZH21 – suspension set - 2 pcs of ropes (2m)
 TS/C/D – surface mounting bracket

System components:

- TSP/A/...trunking AL base** with 9 (or 5 or 7) -lines wiring, incl. connectros, for surface installation
- TS/A/...trunking AL base** with 9 (or 5 or 7) -lines wiring, incl. connectros, for pendant installation
- 2L = 2844 mm
1L = 1422 mm

2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	✗	✗	●
●	✗	○	○	✗	○	○	✗	●

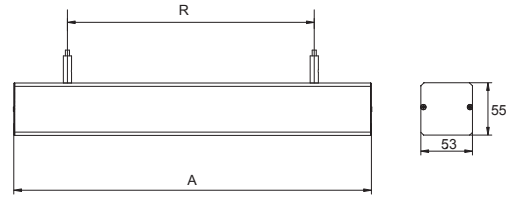
● default ○ optional ✗ not possible



Codes: TS/A/2L9

Trunking base

TS	/A	/2L	9
Luminaire type	A = rai	body length: 1L = 1422 mm 2L = 2844 mm	nr of wires 5 7 9

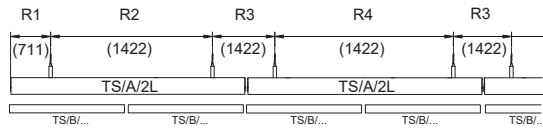


Codes: TS/B/5000L4CN/ND

Light units

TS	/B	/5000	L	4	CN	/ND
Luminaire type	B = light unit	Light output	body length: L = 1422 mm	Color temperature 3=3000K, 4=4000K,	Optic CN – narrow beam 60° CW – wide beam 90° CHR – high rack 35° CRA – retail asymmetric	Driver type: ND – no dimmable DALI – dimmable DALI NZ = emergency 1h

SESTAVA 2L+2L+2L ...



SESTAVA 1L+2L+2L ...

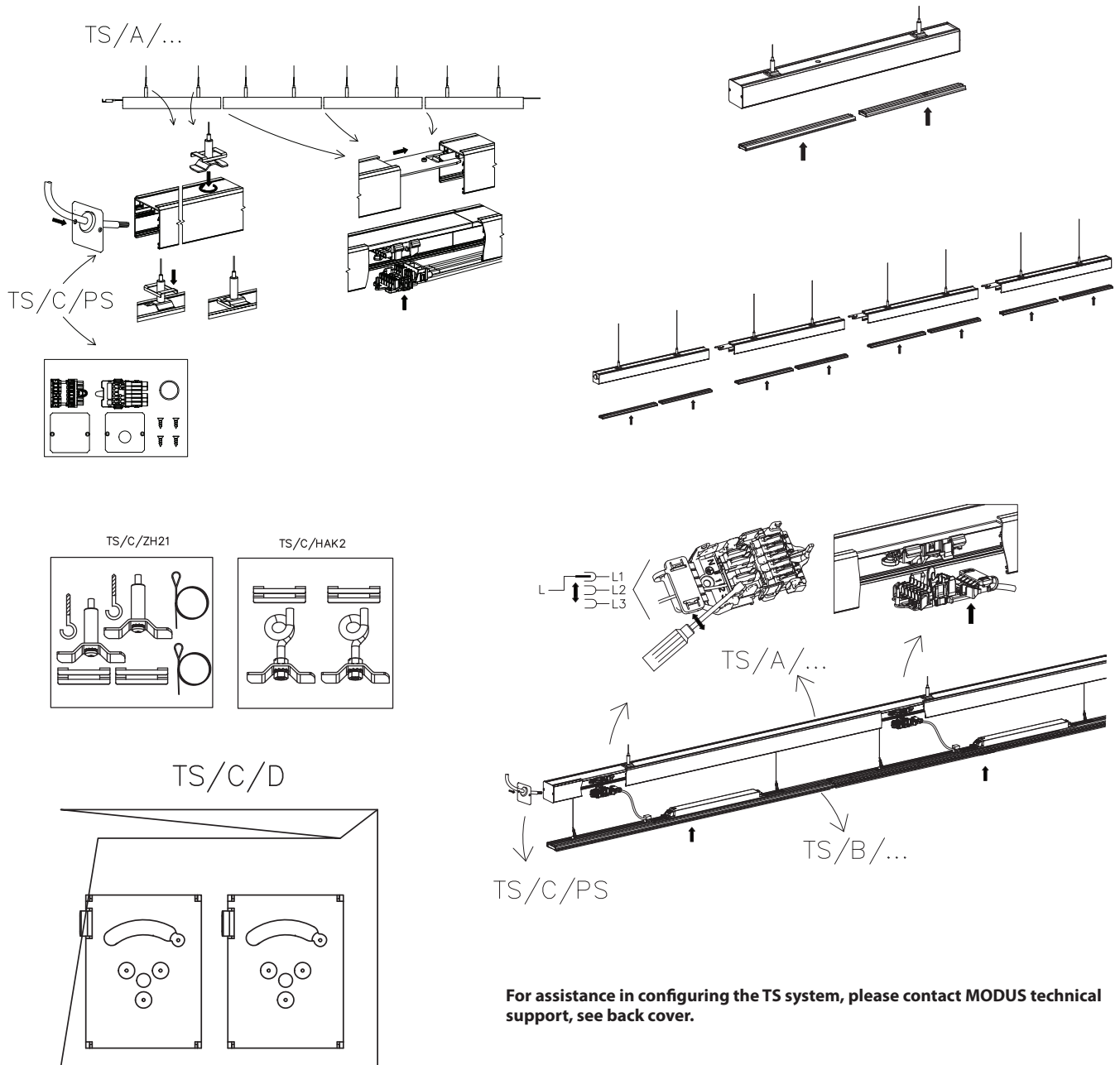


TS/A/	B	C	R1	R2	R3	R4	kg
2L (2844mm)	53	55	711	1422	1422	1422	2,8
1L (1422mm)			355	711	1 065	-	1,6

TS/B/	W	lm						A	B	C	kg
		CW	CN	CHR	CRA	KO	KN				
TS/B/4000L	22	3 500	3 200	3 100	2 900	2 900	2 800	1422	53	55	2,5
TS/B/6000L	39	5 600	5 200	5 000	4 700	4 900	4 600				
TS/B/8000L	57	7 700	7 200	7 000	6 500	6 700	6 300				

lm - luminaire light output

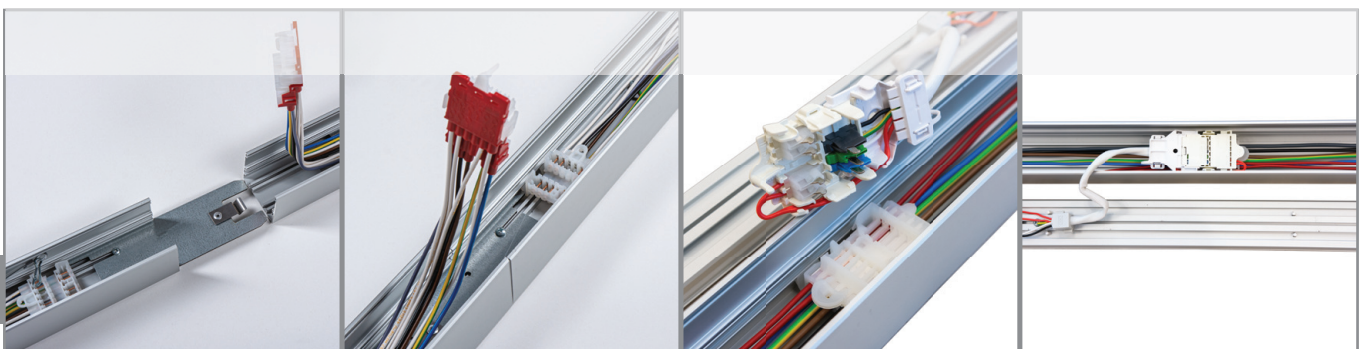
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



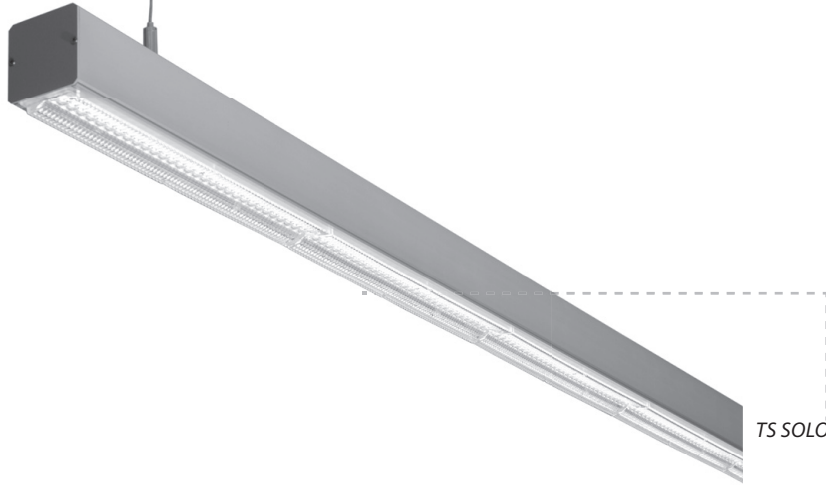
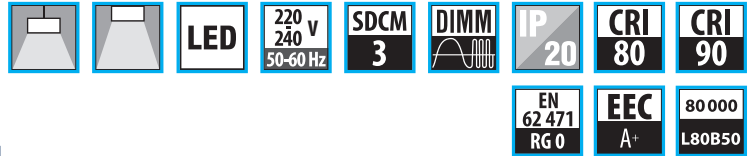
Maximum loading of automatic circuit breakers

ND	C10	C13	C16	C20	B10	B13	B16	B20
TS/B/4000L	35	50	65	75	28	40	52	60
TS/B/6000L	13	17	22	26	8	10	13	16
TS/B/8000L	10	15	18	23	6	9	11	14

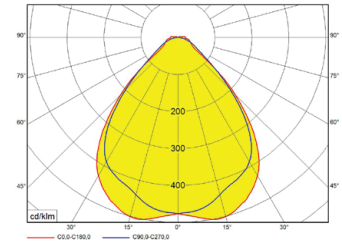
DALI	C10	C13	C16	C20	B10	B13	B16	B20
TS/B/4000L	24	32	40	49	15	19	24	30
TS/B/6000L	13	17	22	26	8	10	13	16
TS/B/8000L	13	17	22	26	8	10	13	16



TS SOLO



η_{ef} (lm/W)
125-159



TS CW

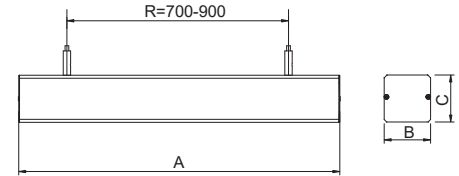
Eloxal aluminium profile

Body:
Eloxal aluminium profile

Optic:
Linear plastic optics
CN – narrow 60°
CW – wide 90°
CHR – high rack 35°
CRA – retail asymmetric
KO – opal cover
KN – prismatic cover

Application:
- pendant or surface installation of single fittings
- suspension set included

Variants:
TS – fittings for pendant installation- suspension set included
TSP – fittings for surface installation- without suspension set



2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	○	×	×	●
●	×	○	○	×	○	○	×	×

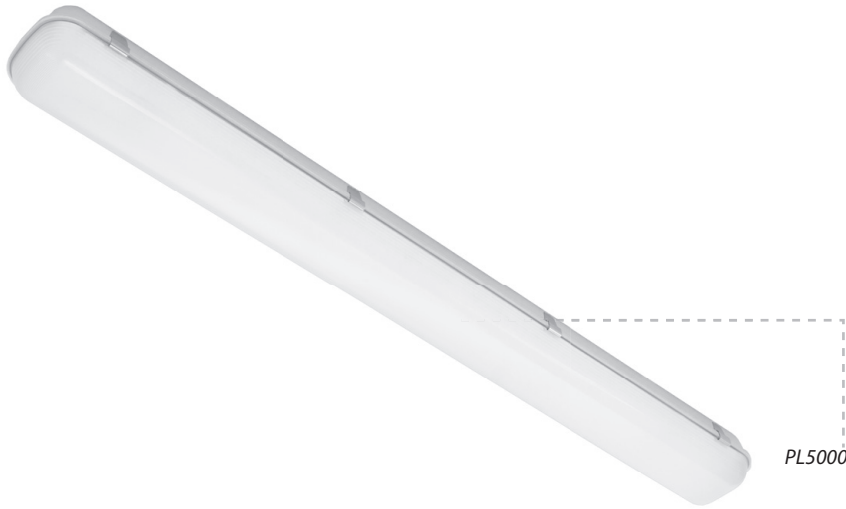
● default ○ optional × not possible

TS	W	lm						A	B	C	R	kg
		CW	CN	CHR	CRA	KO	KN					
TS2000S	16	2 100	2 000	1 900	1 800	2 000	1 900	576	53	55	300-400	1,3
TS3000XM	21	3 100	3 000	2 900	2 800	2 800	2 700	858			450-650	2,0
TS4000M	30	4 200	3 900	3 800	3 600	3 700	3 500	1140			600-800	2,2
TS4000L	22	3 500	3 200	3 100	2 900	2 900	2 800	1422			700-900	2,5
TS6000L	39	5 600	5 200	5 000	4 700	4 900	4 600					
TS8000L	57	7 700	7 200	7 000	6 500	6 700	6 300					

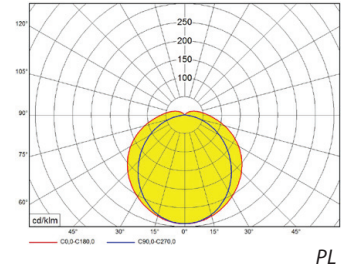
TSP	W	lm						A	B	C	X	kg
		CW	CN	CHR	CRA	KO	KN					
TSP2000S	16	2 100	2 000	1 900	1 800	2 000	1 900	576	53	60	520	1,2
TSP3000XM	21	3 100	3 000	2 900	2 800	2 800	2 700	858			650	1,9
TSP4000M	30	4 200	3 900	3 800	3 600	3 700	3 500	1140			900	2,1
TSP4000L	22	3 500	3 200	3 100	2 900	2 900	2 800	1422			1200	2,4
TSP6000L	39	5 600	5 200	5 000	4 700	4 900	4 600					
TSP8000L	57	7 700	7 200	7 000	6 500	6 700	6 300					

lm - luminaire light output

PL



η_{ef} (lm/W)
132-150



LED interior waterproof fittings

Body:
High quality glass reinforced pressed polyester body + galvanized white painted metal sheet, INOX clips

Optic:
CO – polycarbonate opal cover
PM – opal PMMA cover

Application:
These light fittings can be used as surface mounted or suspended.
Suspension hook and fixation clip is part of packaging (ZAHO+ZAKO).

Accessories:
ZH/UNI4 – universal 4-wires suspension
Protection grid – OM
Suspension hook – ZAHA
Fixation clip – ZAKO

Versions:
F – with flexible cord
SM - fitting with MW sensor
P – continuous assembly (through wiring) 5x1,5 mm²

Note:
Fittings with PMMA cover can be also used into objects with lower concentration of ammonia.
Fittings cannot be used for outdoor installation..



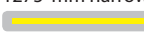

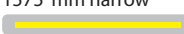


2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
●	○	○	○	○	○	○	×	×

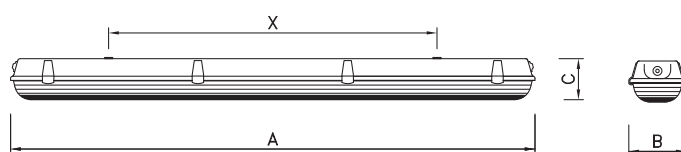
● default ○ optional × not possible



Codes: PL5000M2W3ND

PL	5000	M	2	W	3	ND
Luminaire type	Light output	Body length: S = 600 mm M = 1200 mm L = 1500 mm	Nr of high strips	body width: N = narrow body W = wide body	Color temperature: 3 = 3000K 4 = 4000K, 5 = 5700K	Driver type: ND – no dimmable DIM – dimmable 1-10V DALI – dimmable DALI

code	W	lm	lm/W	body	lamps substitution
PL1000S1W...	11	1 450	132	675 mm wide 	1x18W T8
PL2500S2W...	20	2 750	138	675 mm wide 	2x18W T8
PL2500M1N ...	20	2 700	135	1275 mm narrow 	1x36W T8 1x28W T5 1x35W T5
PL5000M2W...	40	5 500	138	1275 mm wide 	2x36W T8 2x28W T5 2x35W T5 1x80W T5
PL3500L1N...	32	4 400	138	1575 mm narrow 	1x58W T8 1x49W T5 1x54W T5
PL7000L2W...	50	7 500	150	1575 mm wide 	2x58W T8 2x49W T5 2x54W T5
PL10000L2W...	68	10 200	150	1575 mm wide 	2x80W T5

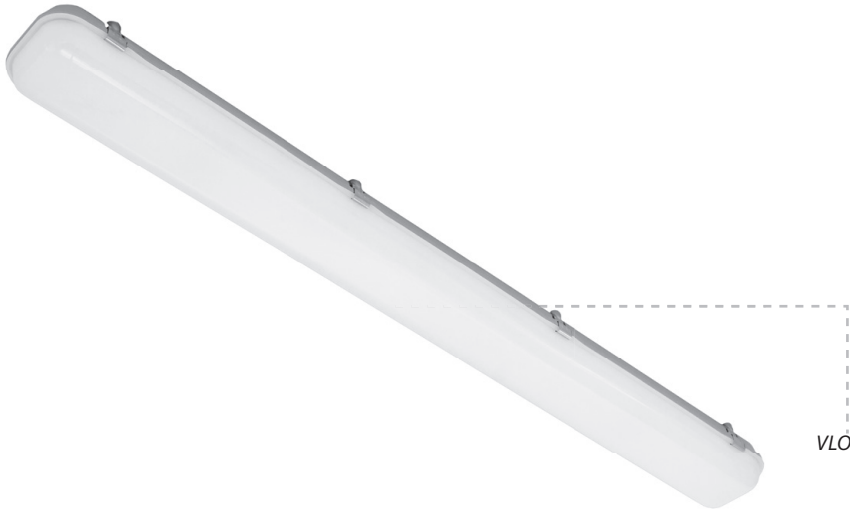


	W	lm	A	B	C	X	kg
PL1000S1W	11	1 450	675	135	100	400	1,8
PL2500S2W	20	2 750					1,8
PL2500M1N	20	2 700	1275	84		800	2,2
PL5000M2W	40	5 500		135			2,6
PL7000M2W4	52	7 100	1575	84		1100	2,8
PL3500L1N	32	4 400		135			3,2
PL7000L2W	50	7 500					
PL10000L2W	68	10 200					
PL14000L2W	95	13 100					

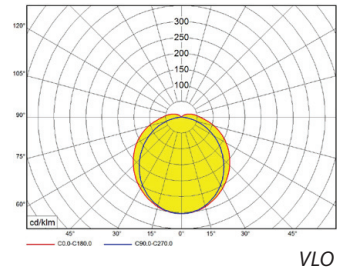
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

VLO



η_{ef} (lm/W)
120-132



LED waterproof fittings

Body:
polycarbonate PC body (L fittings)
ABS body (M and S fittings)
White painted stell base RAL9016
INOX clips and brackets

Optic:
opal polycarbonate

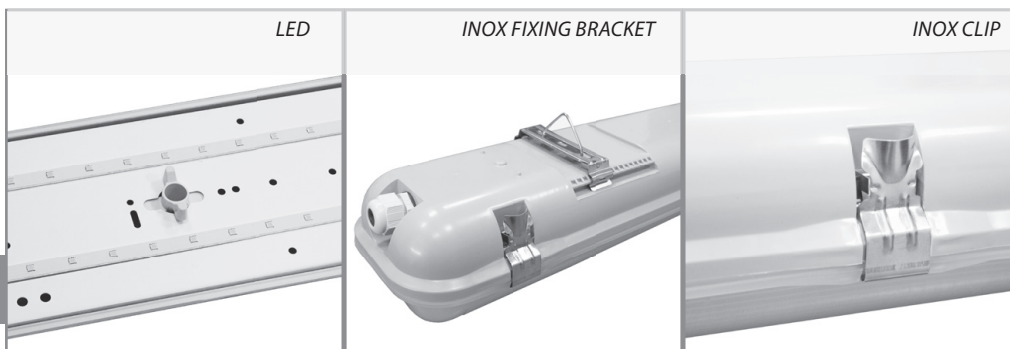
Application:
Surface mounted or suspended, assembly accssories included

Accessories:
ZH/UNI4 – universal 4-wires suspension
Protection grid OM

Versions:
P – through wiring 5x1,5 mm2
SM – microwave sensor

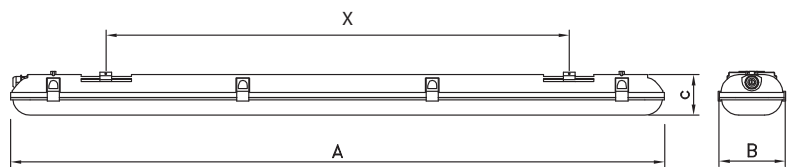
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
●	○	○	×	×	○	○	×	×

● default ○ optional × not possible



Codes: VLO4000M2W4ND/P

VLO	4000	M	2	W	4	ND	/P
Luminaire type	Light output	Body length: S = 600 mm M = 1200 mm L = 1500 mm	Nr of ligh strips	body width: N = narrow body W = wide body	Color temperature: 3 = 3000K 4 = 4000K 5 = 5700K	Driver type: ND – no dimmable DALI – dimmable DALI	Version: P – through wiring 5x1,5 mm ² SM – microwave sensor



	W	lm	A	B	C	X/R	kg
VLO1000S1W	10	1 300	660	86	90	350	1,2
VLO2500S2W	19	2 500		136			1,5
VLO2500M1N			1270	86		900	1,9
VLO5000M2W	38	4 900		136			1200
VLO7000M2W	52	6 500	86	2,3			
VLO3500L1N	31	3 900	1570	136		2,4	
VLO7000L2W	50	6 600					
VLO10000L2W	75	9 000					
VLO14000L2W	95	11 800					

lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

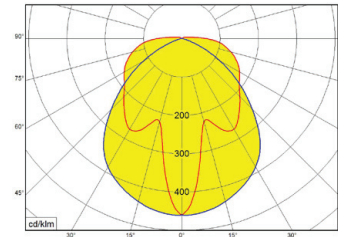
VL1X



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EN 62471 RG 0

η_{ef} (lm/W)
126-131



VL1X

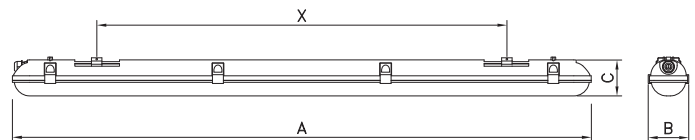
LED waterproof light fittings

Body:
PC, white painted (RAL 9016) metal sheet, INOX clips

Optic:
PC - polycarbonate clear cover

Accessories:
ZH/UNI4 – universal 4-wires suspension
Protection grid - OM

Note:
Stainless bracket for surface mounting or suspension and 2 gro mmetts IP65 are included.
Light fittings VL1X can be installed only into standard ambient conditions, T_a max 25°C



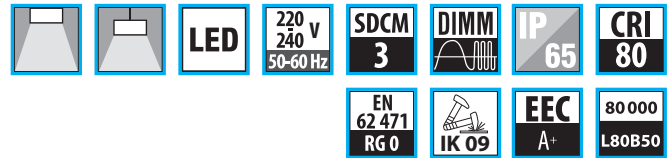
	W	lm	A	B	C	X	kg
VL1X M	38	4 800	1270	86	90	900	2,2
VL1X L	58	7 600	1570			1200	3

lm - luminaire light output

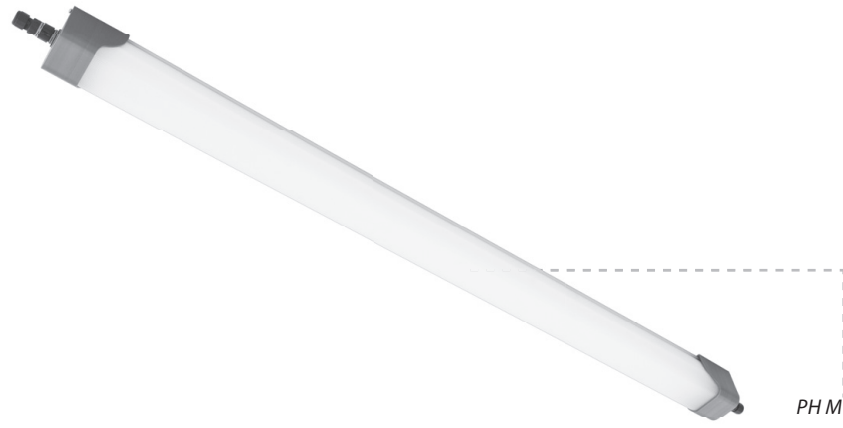
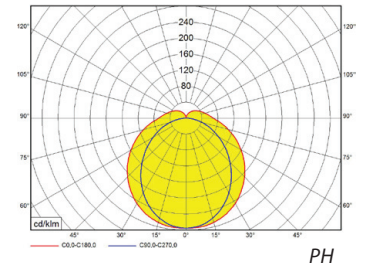
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	✗	○	●	○	○	✗	✗	✗
●	✗	○	✗	✗	✗	✗	✗	✗

● default ○ optional ✗ not possible





η_{ef} (lm/W)
130-147



PHM

LED waterproof fittings

Body:
Polycarbonate or PMMA body
White painted stell base
Polycarbonate or PS endcaps

Optic:
PC – semiopal polycarbonate
PM – semiopal PMMA

Application:
Surface mounted or suspended, assembly accssories included

Accessories:
ZH / UNI4 - universal 4-wire suspension
PH / PK / ND... for R version - contains counterpart to input connector + plug to output connector

Possible versions:

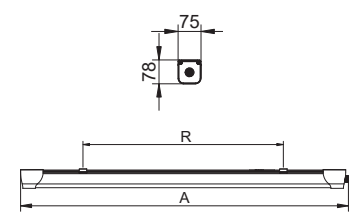
PHD / S for solo installation, includes input connector with counterpart
PHD / P1 for continuous installation (the luminaires are interconnected by a cable), includes input connector with counterpart + output connector with counterpart
PHD / R1 for continuous connection (the fixtures are connected one after the other) , includes input connector + output connector

PHD	W	lm	A	B	C	X/R max	kg
PHD3000S	20	2 600	710	75	78	400	1,6
PHD5000M	37	5 400	1310			1000	2,0
PHD7000L	53	7 800	1610			1300	2,5

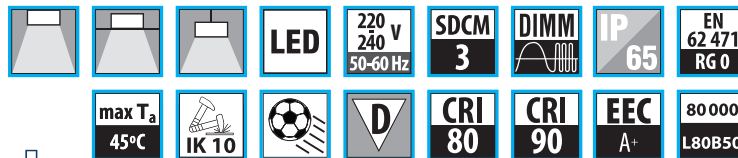
lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
ON/OFF	1-10V	DALI	Bluetooth	WiFi	Beam	INT	EXT	Beam
●	○	○	○	×	×	×	×	●

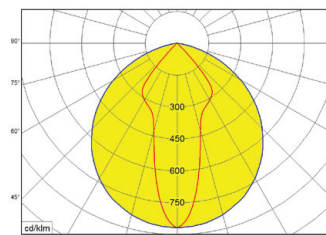
● default ○ optional × not possible



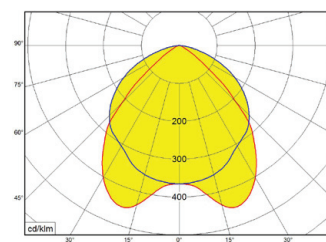
MEGAL



η_{ef} (lm/W)
149–170



MEGAL



MEGALW

LED high-bays

Body:
White painted (RAL9003) metal sheet

Optic:
Highly polished reflectors made of MIRO® aluminium
MEGAL... narrow beam 35°
MEGAL W... wide beam 115°

Cover:
Clear hardened glass (standard)
PC – clear polycarbonate, mechanical resistance IK10
PCO – opal polycarbonate, mechanical resistance IK10
KN – microprismatic PMMA
PCN – mikroprismatic PC cover (certificated for sporthalls according to DIN VDE 0710-13)

Application:
Supermarkets, assembly halls, stocks, etc. – as an alternative for discharge or fluorescent lamp luminaires

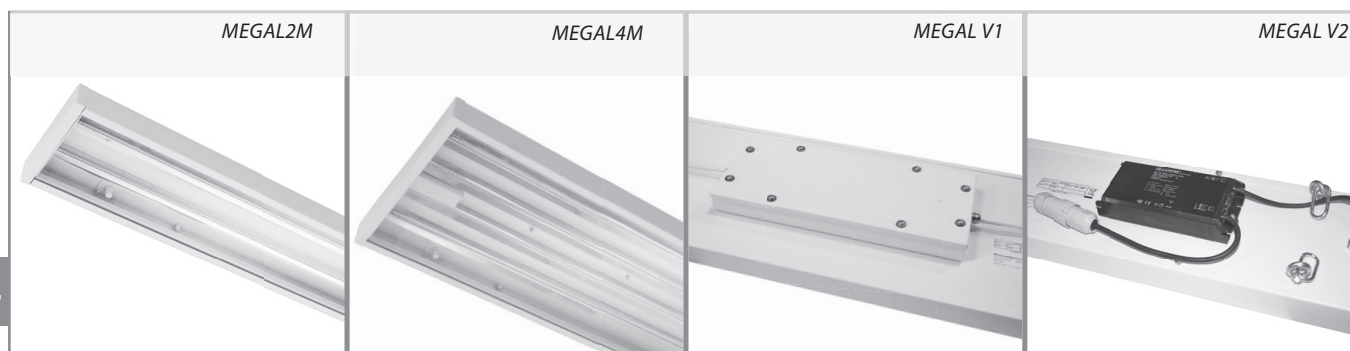
Assembly:
Pendant / surface installation.
Fixtures are equipped with 4 snap hooks for easy hanging by chains or ropes with eyelet.
To connect to the power are fittings equipped with cable with IP65 connector.
IK10 – available version with higher resistance, with cover PC, PCO or PCN

Accessories:
MEGAMONTSET - a holder for surface assembly
MEGALVESTRAM - a holder for recessed installation of MEGAL 4S
MEGALPIR - sensor for MEGAL

Variants:
V1 = luminaire with driver in gear box
V2 = luminaire with driver without gear box
V4 = luminaire with low current driver in gear box

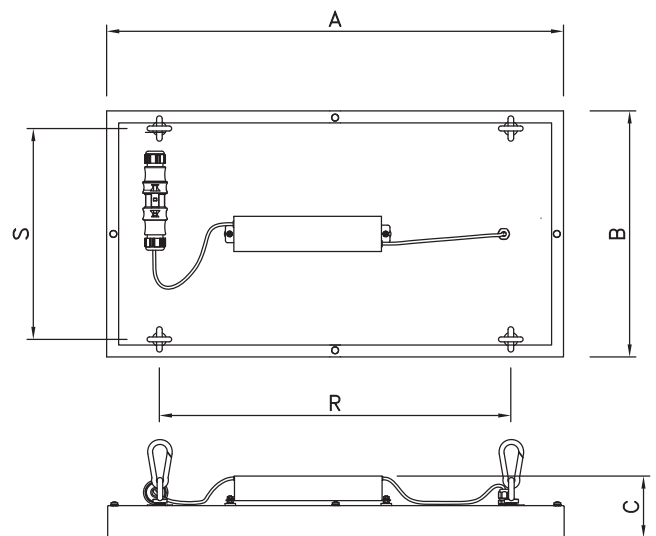
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
●	×	○	○	×	○	×	×	●

● default ○ optional × not possible



Codes: MEGAL2M4V1/2100ND

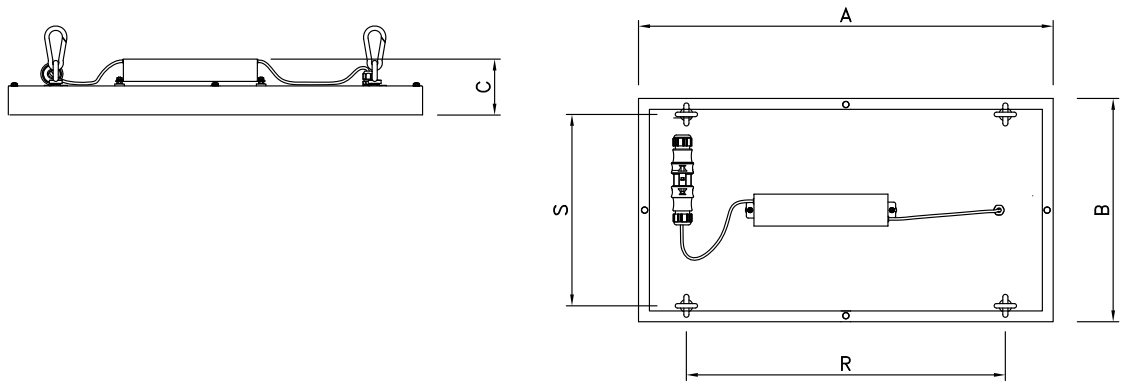
MEGAL	2	M	4	PC	V1	/2100ND
Luminaire type: MEGAL - narrow beam MEGALW - wide beam	Nr of lighting strips	Body length S = 600 mm M = 1200 mm	Color temperature: 3 = 3000K, 4 = 4000K 5 = 5700K	Cover type clear glass PC - clear polycarbonate PCO - opal polycarbonate KN - microprismatic-PMMA PCN - microprismatic cover	Insulation class V1 class I V2 class II	Driver type: ND - no dimmable DALI - dimmable DALI



Dimensional table MEGAL

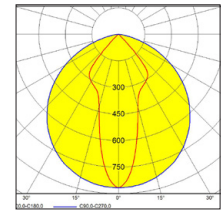
	A	B	C	R	S	kg
MEGAL 2S, MEGALW 2S	655	197	90	500	140	5
MEGAL 4S, MEGALW 4S		357			300	7
MEGAL 2M, MEGALW 2M	1224	197		940	140	7
MEGAL 4M, MEGALW 4M		357			300	13
MEGAL 6M, MEGALW 6M		507			450	18

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

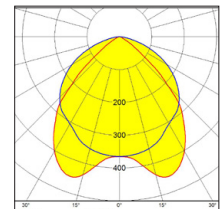


MEGAL performance tables

MEGAL	W	lm			
			PC	KN	PCN
MEGAL 2S /1050	49	7300	7100	6900	5250
MEGAL 4S /1400	61	10000	9500	8800	7900
MEGAL 4S /2100	92	14500	14000	13500	11400
MEGAL 2M /1400	61	10 000	9 500	8 800	7900
MEGAL 2M /2100	92	14 500	14 000	13 500	11400
MEGAL 4M /2800	118	20 000	19 400	18 800	15600
MEGAL 4M /4200	182	29 500	28 800	27 600	22700
MEGAL 6M /2100	278	44 000	X	X	X

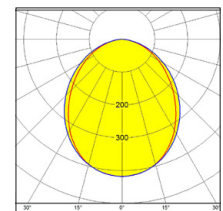


MEGAL PC

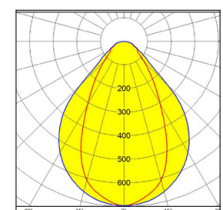


MEGALW PC

MEGALW	W	lm		
			PC	PCO
MEGALW 2S /1050	49	7400	7200	6000
MEGALW 4S /1400	61	10400	10000	8400
MEGALW 4S /2100	92	15000	14500	12000
MEGALW 2M /1400	61	10 400	10 000	8 400
MEGALW 2M /2100	92	15 000	14 500	12 000
MEGALW 4M /2800	118	20 500	19 900	16 700
MEGALW 4M /4200	182	30 000	29 100	24 000
MEGALW 6M /2100	278	45 000	X	X

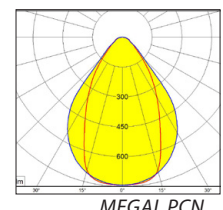


MEGALW PCO



MEGAL KN

MEGAL V4	W	lm				
			PC	PCO	KN	PCN
MEGAL 2M V4 /600	87	13 000	12 500	X	12000	10500
MEGAL 4M V4 /1200	173	26 000	25 200	X	24000	21000



MEGAL PCN

MEGALW V4	W	lm				
			PC	PCO	KN	PCN
MEGALW 2M V4 /600	87	13 500	13 000	10 800	X	X
MEGALW 4M V4 /1200	173	27 000	26 200	22 000	X	X

lm - luminaire light output

MEGAL – ACCESSORIES

MEGAMONTSET

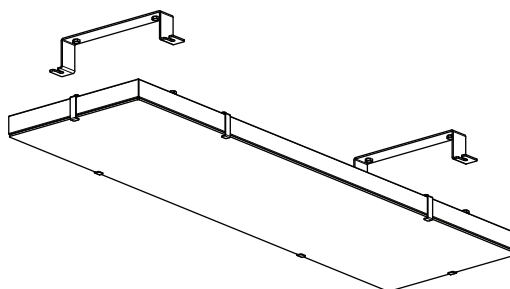
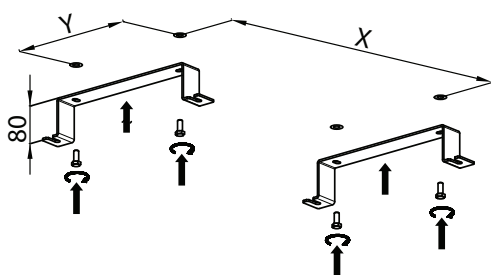
Set of holders for surface assembly of MEGAL.

White painted steel profile

Mounting to the body of the luminaire in place eyebolts.

Distance between the fitting and the ceiling is 80 mm

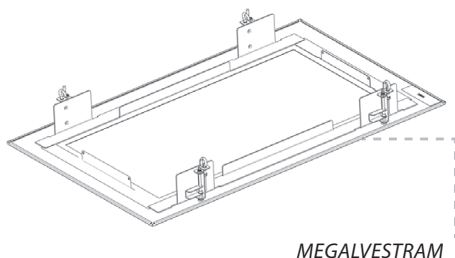
	X	Y	for fitting
MEGAMONTSET2	940	60	MEGAL 2M
	500	60	MEGAL 2S
MEGAMONTSET4	940	220	MEGAL 4M
	500	220	MEGAL 4S




MEGALVESTRAM

Frame for recessed installation of MEGAL into a ceiling

White painted metal sheet



	A	B	C	
MEGALVESTRAM/2S	800	340	110	670x310
MEGALVESTRAM/4S	800	500	110	670x470
MEGALVESTRAM/2M	1270	340	110	1240x310
MEGALVESTRAM/4M	1270	500	110	1240x470

MEGALPIR

Microwave sensor for MEGAL and OKTA

This sensor is a motion switch, which turns on the light on detection of people movement, and turns off after a pre-selected hold-time when there is no people around. A sensor is also built-in to prevent the light switching on when there is sufficient natural light.

IP65

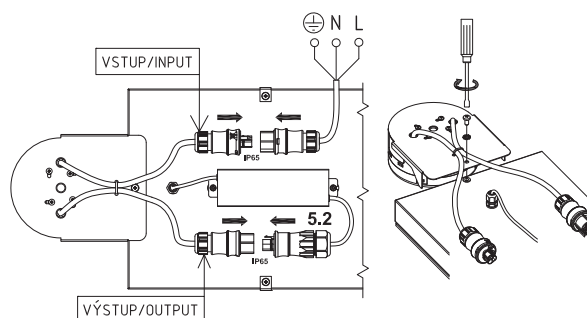
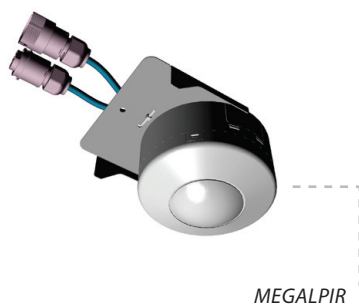
Set included assembly holder and cables with connectors

Settings after installation with remote controller MEGALPIR/RC or with DIP switches.

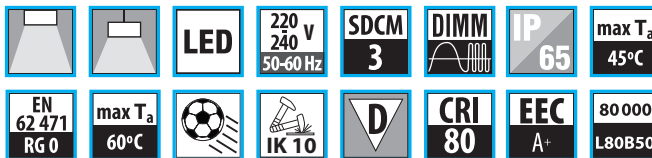
Variants:

MEGALPIR/2M

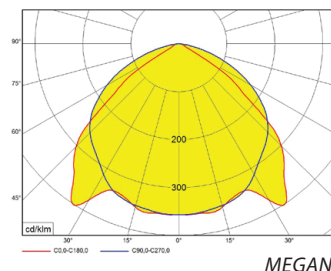
MEGALPIR/4M



MEGAN



η_{ef} (lm/W)
171-174



MEGAN300

LED high-bays

Body:

White painted (RAL9003) aluminium sheet

Optic:

Highly polished reflectors made of MIRO- aluminium

N... narrow beam

W... wide beam

Cover:

KC - clear hardened glass

PC - clear polycarbonate, mechanical resistance IK10

PCO - opal polycarbonate, mechanical resistance IK10

KN - microprismatic PMMA

PCN - mikroprismatic PC cover (certificated for sporthalls according to DIN VDE 0710-13)

Application:

Supermarkets, assembly halls, stocks, etc. - as an alternative for discharge or fluorescent lamp luminaires

Assembly:

Pendant installation (surface installation using MEGANMONTSET).

Fixtures are equipped with 4 snap hooks for easy hanging by chains or ropes with eyelet.

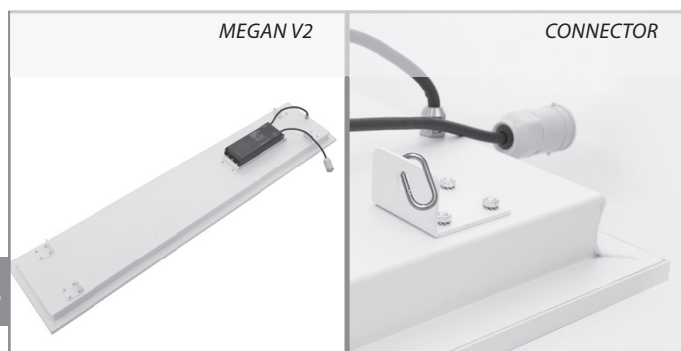
Note:

Standard versions of MEGAN can be installed in halls with an ambient temperature T_a max 45°C.

Special versions of MEGAN../ HT60 can be installed in halls with an ambient temperature T_a max 60°C

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	○	○	●
●	×	○	○	×	×	×	×	●

● default ○ optional × not possible

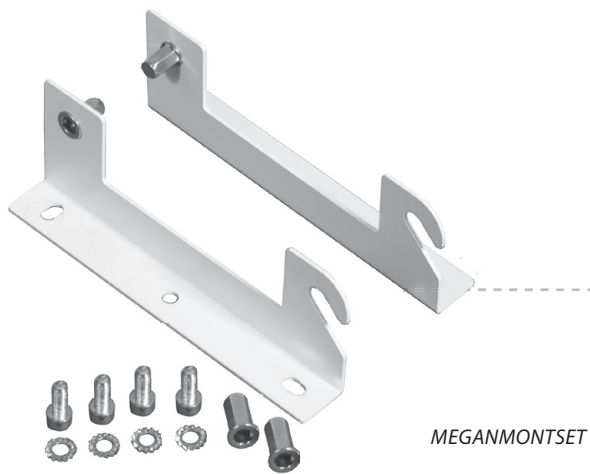


MEGAN V2

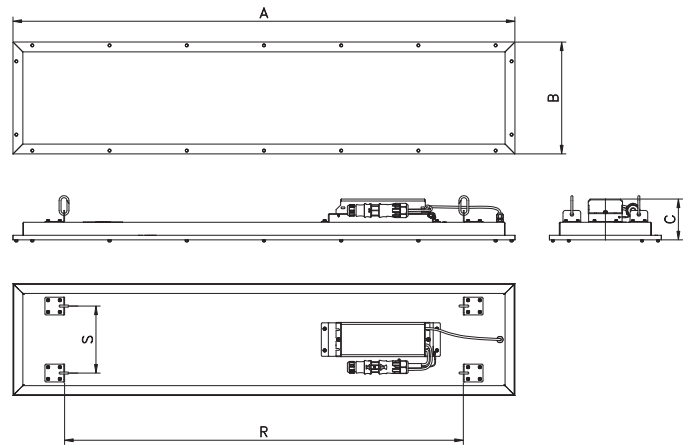
CONNECTOR

Codes: MEGAN300M3KCW4V2/DALI

MEGAN	300	M	3	KC	W	4	V2	/DALI
Luminaire type	Light output 050 / 100 / 150 / 200 / 250 / 300	body length: S = 700 mm, m = 1275 mm	Nr of light strips	Cover KC = clear glass PC = clear polycarbonate PCO = opal polycarbonate PCN = prismatic polycarbonate KN = prismatic PMMA	Reflector: W = wide beam N = narrow beam	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	driver into a box V2 – driver without a box	Driver type: ND – no dimmable DALI – dimmable DALI



MEGANMONTSET









MEGAN	W	lm	A	B	C	R	S	kg
MEGAN50S1KC	30	5 200	700	145	110	465	55	3
MEGAN100M1KC	61	10 500	1275			1040		5
MEGAN150M2KC	92	15 700		215		1015	170	8,2
MEGAN200M2KC	122	21 000					100	6
MEGAN250M2KC	155	27 000		170			8,2	
MEGAN300M3KC	180	31 300	285					






MEGAN /HT60	W	lm	A	B	C	R	S	kg
MEGAN50S1KC /HT60	30	5 200	700	145	110	465	55	3
MEGAN150M2KC /HT60	92	15 700	1275	215		1015	170	8,2
MEGAN250M3KC /HT60	155	27 000						

lm - luminaire light output

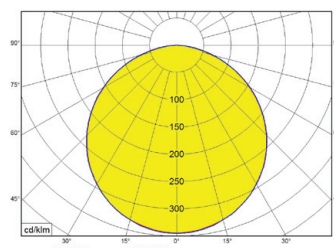
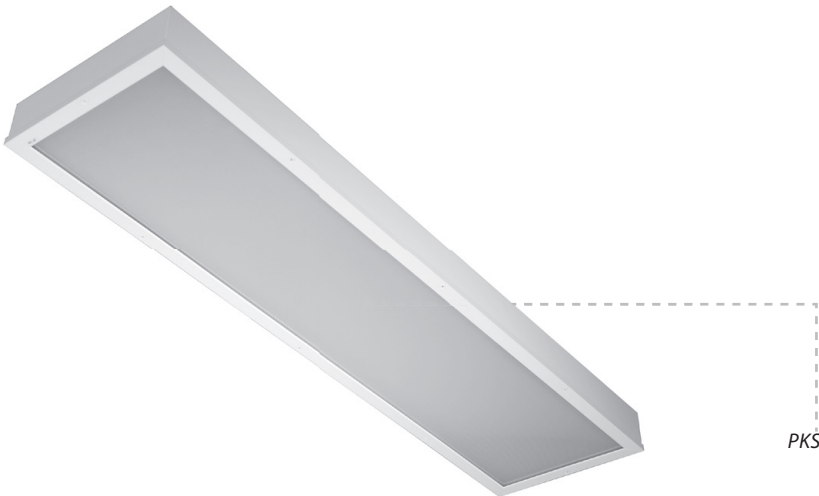
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

PKS IP54

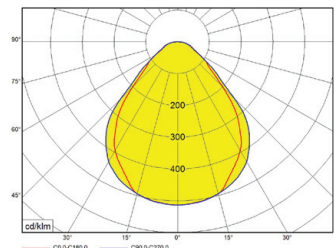







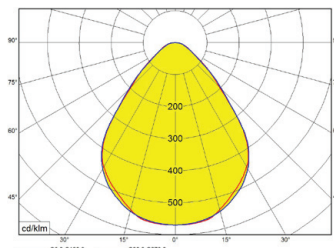
η_{ef} (lm/W)
111-136



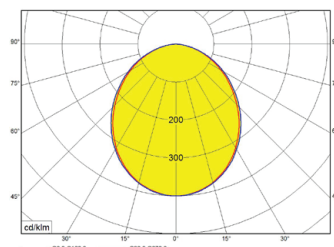
PKS KO



PKS KN













PKS PCN



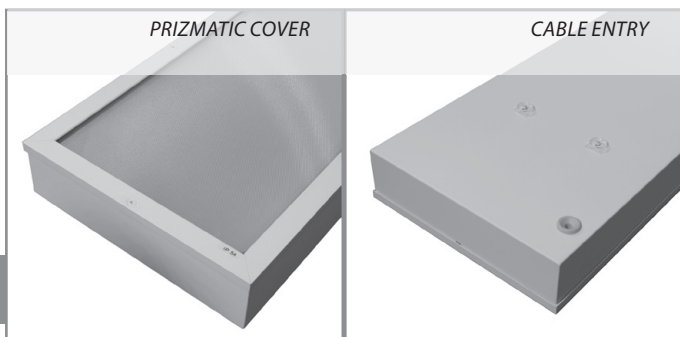
PKS PCO

Industrial LED fittings

- Body:**
White painted (RAL9003) metal sheet
- Cover:**
KO – opal PS cover
KN – mikroprismatic PMMA
PCO – opal polycarbonate, mechanical resistance IK10
PCN – mikroprismatic PC cover, mechanical resistance IK10
- Application:**
Surface installation
- More information:**
The luminaires have an openable cover, the mains connection is via the terminal block inside the luminaire (cable entry is in the back of the luminaire)

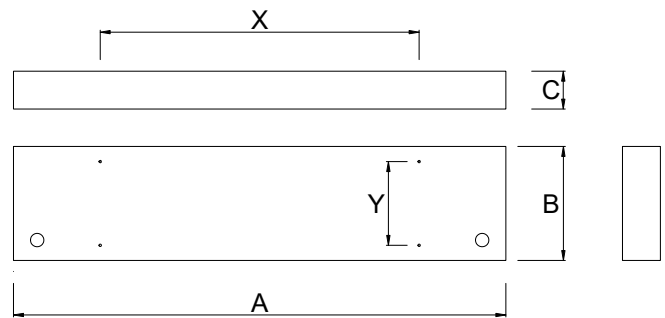
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
								
●	○	○	○	✗	○	○	✗	✗

● default ○ optional ✗ not possible



Codes: PKS6000RM2KO4ND

PKS	6000	R	M	2	KO	4	ND	/P	/HT60
Type PKS – IP54, standard terminal	Light output	Shape S – square R – rectangle	Body length S = 600 mm M = 1200 mm	Body width 2 = 300 mm 4 = 600 mm	Cover KO – opal PS KN – mikropřizmatický PMMA kryt PCN – opal polycarbonate, mechanical resistance IK10 PCO – mikropřizmatický PC cover, mechanical resistance IK10	CCT 2 = 2700K, 3 = 3000K, 4 = 4000K, 5 = 5700K, 6 = 6500K	Driver ND – no dimmable DALI – DALI dimmable	Connection: P – through wiring	Ta without mark – Ta max 45°C HT60 – Ta max 60°C



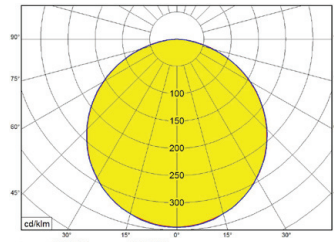
PKS	W	lm				A	B	C	X	Y	kg
		KO	KN	PCN	PCO						
PKS4000SS	33	4 000	4 500	3 900	4 000	600	600	80	380	380	5,8
PKS6000SS	54	6 500	7 300	6 300	6 500						
PKS4000RM	33	4 000	4 500	3 900	4 000	1200	300		800	100	7,0
PKS6000RM	54	6 500	7 350	6 200	6 500						
PKS8000RM	64	7 500	8 400	7 100	7 400						

lm - luminaire light output

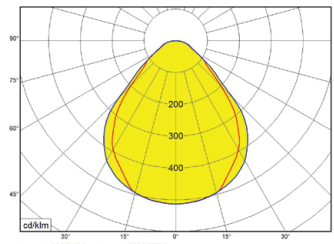
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

PKK IP65

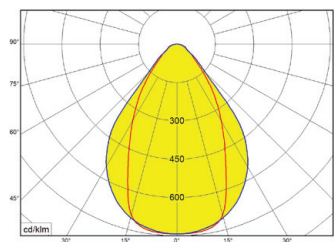
η_{ef} (lm/W)
115-145



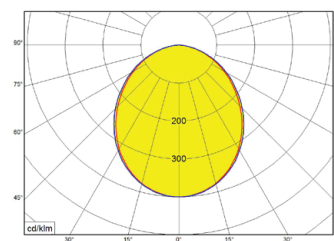
PKK KO



PKK KN



PKK PCN



PKK PCO

Industrial LED fittings

- Body:**
White painted (RAL9003) metal sheet
- Cover:**
KO – opal PS cover
KN – microprismatic PMMA
PCO – opal polycarbonate, mechanical resistance IK10 (IK09)
PCN – mikroprismatic PC cover, mechanical resistance IK10 (IK10)

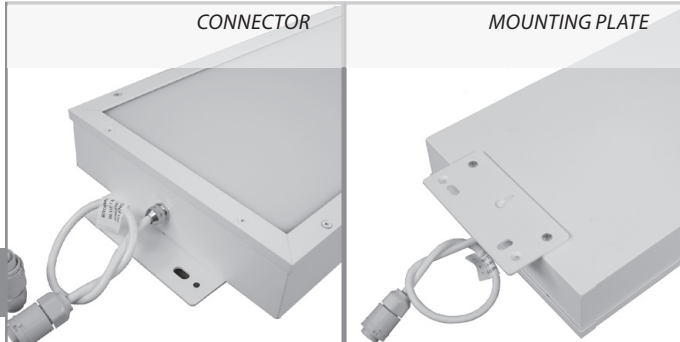
- Application:**
– pendant installation (IK09)
– surfaced installation (IK10)

More information:
The luminaires have an openable cover, the mains connection is via the terminal block inside the luminaire (cable entry is in the back of the luminaire)

- Variants:**
PKK – male input connector IP65
PKK../P – male + female (input + output) IP65 connectors

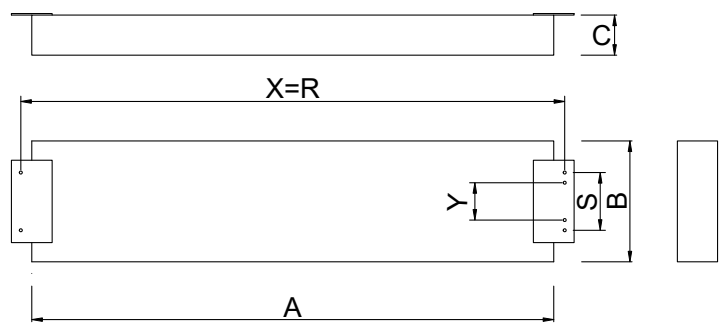
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	○	○	✗	✗
●	○	○	○	✗	✗	✗	✗	●

● default ○ optional ✗ not possible



Codes: PKK6000RM2KO4ND

PKK	6000	R	M	2	KO	4	ND	/P	/HT60
Type PKK – IP6 5, with connectors	Light output	Shape S – square R – rectangle	Body length S = 600 mm M = 1200 mm	Body width 2 = 300 mm 4 = 600 mm	Cover KO – opal PS KN – mikropřizmatický PMMA kryt PCN – opal polycarbonate, mechanical resistance IK10 PCO – mikropřizmatický PC cover, mechanical resistance IK10	CCT 2 = 2700K, 3 = 3000K, 4 = 4000K, 5 = 5700K, 6 = 6500K	Driver ND – no-dimmable DALI – / DALI dimmable	Connection: P – through wiring	T _a without mark – T _a max 45°C HT60 – T _a max 60°C



PKK	W	lm				A	B	C	X (R)	Y	S	kg
		KO	KN	PCN	PCO							
PKK4000SS	30	3 800	4 400	3 800	3 800	600	600	80	640	80	120	6,5
PKK6000SS	54	6 300	7 000	6 100	6 300							
PKK4000RM2	30	3 750	4 200	3 550	3 700	1200	300	80	1240	80	120	7,8
PKK6000RM2	54	5 900	6 800	5 800	5 900							
PKK8000RM2	65	7 500	8 400	7 100	7 400							

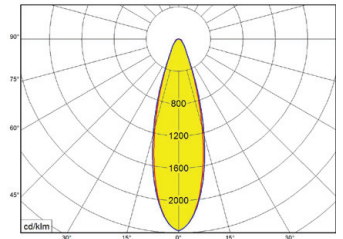
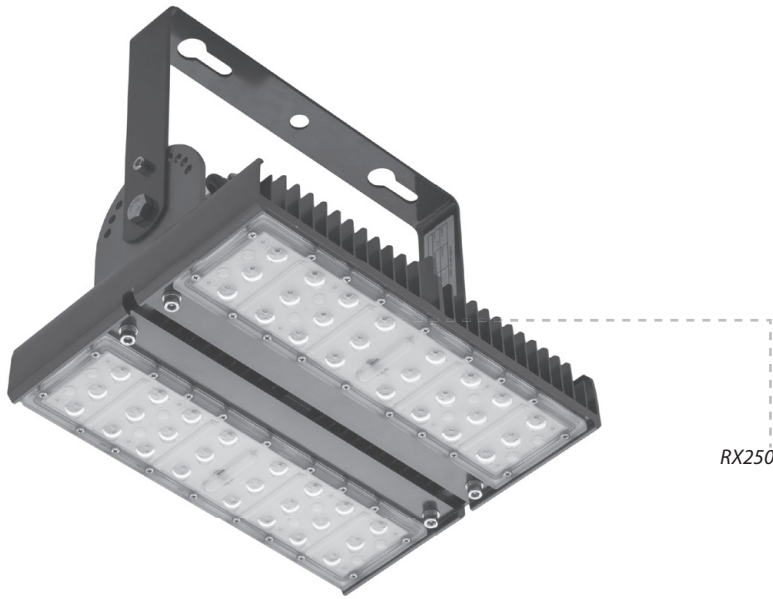
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

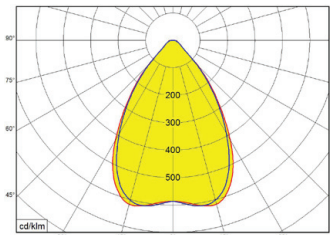
RX



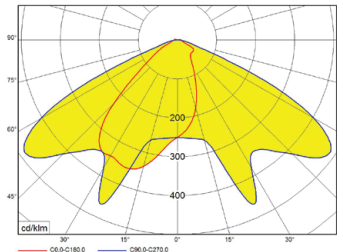
			η_{ef} (lm/W) 121-125	



RX250C45



RX250C90



RX AS

LED floodlights

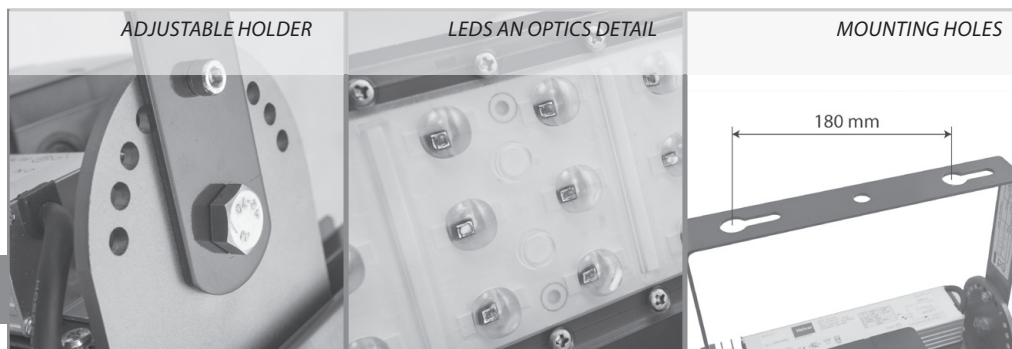
Body:
Powder painted non-corrosive high-pressure die-cast aluminium

Optic:
Symetric glare-free optic lens
AS - asymmetric optic
45N - narrow beam 45°
90W - wide beam 90°

Application:
Floodlight for both indoor and outdoor application
Available with 45° narrow beam or wide 90° beam optic or asymmetric optic

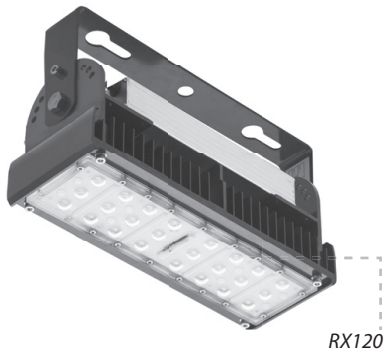
2200	2700	3000	4000	5000	6500	MIX	RGB	
×	×	○	○	●	○	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible



Codes: RX250C45N5V1/ND

RX	250	C45N	5	V1	/ND
Luminaire type	light output (x100)	Optic C45N - Clear optic 45° narrow beam C90W - C90W Clear optic 90° wide beam AS - asymmetric optic	Color temperature 3 = 3000K, 4 = 4000K 5 = 5000K	Used LEDs	Driver type: ND – Non dimmable DALI – dimmable DALI



RX120

RX PLANTA

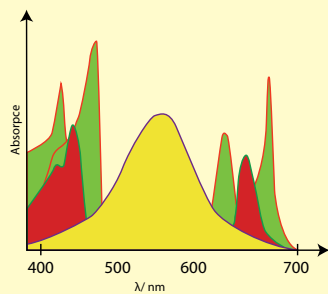
LED floodlight for greenhouses

- LED light fitting optimized to artificial lighting in greenhouses
- LED moduls with chips OSRAM OSOLON SSL hyper red and deep blue - red (~660nm) & blue (~450 nm) are the most appropriate wavelengths- Chlorophyll absorption has maxima at 400- 500 and 600-700 nm
- Blue stimulates flowers to open up („wake-up call“)
- Red/deep red stimulates growth and flowering
- lower energy consumption for almost 50%

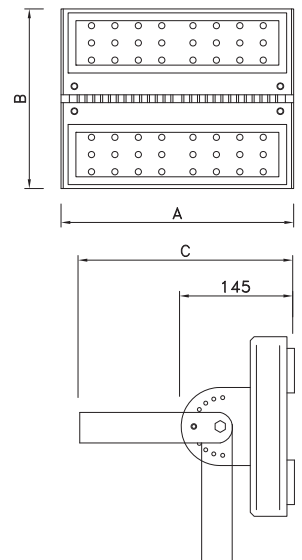
RX PLANTA200

192W, PPF 450µmol/s, efficiency 2,34 (PPF/W)

For more info see <http://www.modus.cz/en/magazines/>



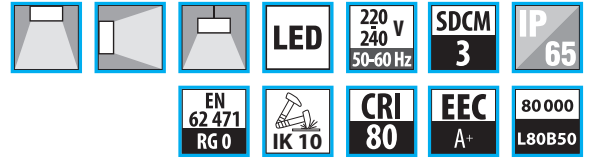
■ HPS
■ RX PLANTA
■ citlivost rostlin / plants sensitivity



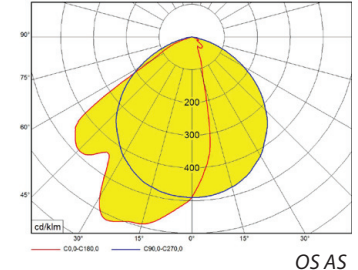
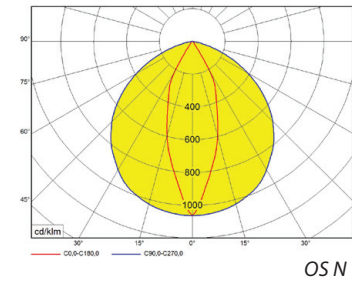
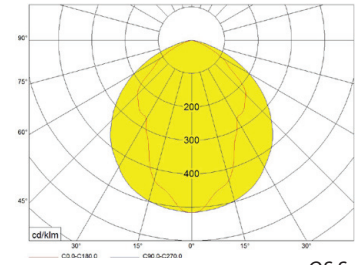
RX	W	lm			A	B	C	kg
		C45N	C90W	AS				
RX120	108	12 800	13 100	12 800	300	120	280	4
RX250	209	25 500	26 100	25 500	300	230	280	6
RX400	315	X	39 000	38 000	300	330	280	10
RX500	420	X	52 000	50 000	300	430	280	12

lm - luminaire light output

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η_{ef} (lm/W)
128-158



OS100PCS

LED floodlight

Body:
Black painted aluminium sheet

Optic:
PC- clear polycarbonate IK10
KC- glass cover
S - wide beam
N - narrow beam
AS - asymmetric optic

Accessories:
OS100VESTRAM – frame for recessed installation of OS100

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible

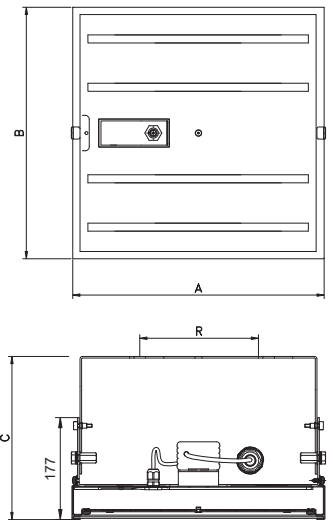


Codes: OS100PC4S4ND

OS	100	PC	4	S	4	ND
Luminaire type	light output (x100)	Cover PC - clear PC KC - clear glass	Color temperature 3 = 3000K 4 = 4000K, 5 = 5700k	Reflector S - symmetric wide beam N - narrow beam AS - asymmetric optic	Nr of LED modules:	Driver type ND - no dimmable DALI - dimmable DALI



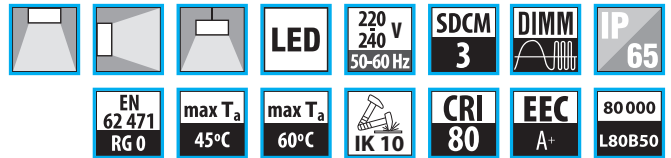
OS200PCN



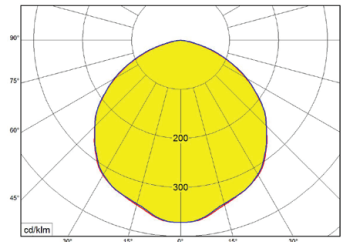
OS	W	lm			A	B	C	kg
		S	N	AS				
OS100	87	11 700	11 200	11 800	315	320	236	6
OS150	118	18 600	18 000	18 600	617	315	232	11
OS200	179	27 000	26 000	27 000				

lm - luminaire light output

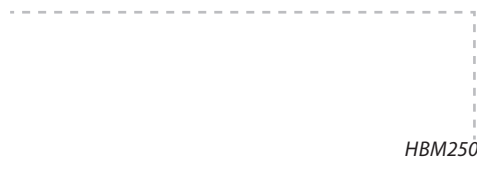
Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.



η_{ef} (lm/W)
154-163



HB



LED high-bay

Body:
Black painted aluminium sheet
Optionaly in white RAL9003
HBS – small body – dia 335 mm
HBM – medium body – dia 460 mm

Optic:
KC - clear glass
PC - clear polycarbonate IK10
PCO - opal polycarbonate IK10
PCN - prismatic polycarbonate IK10
W - wide beam

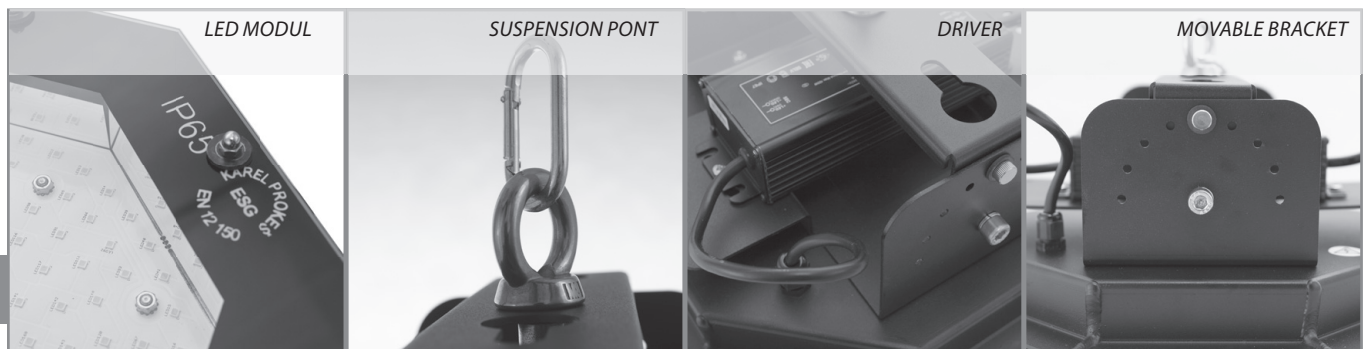
Application:
One-point suspension assembly
Ceiling surface assembly
Wall installation – using accessories

Accessories:
1810004010 – movable holder HBS
1810004008 – movable holder HBM
HBMREF/B...reflector HBM, white
HBSREF/B...reflector HBS, white

Note:
Standard fittings HBS a HBM can be used for istallation with high ambient temperature up to T_a max 45°C.
Special version HBS.../HT and HBM.../HT can be used up to T_a max 60°C.

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	○	○	●	○	○	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible



Codes: HBM250W4KC/DALI

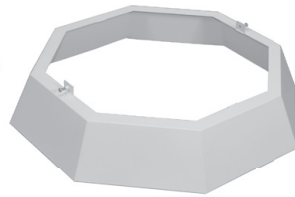
HB	M	250	W	4	KC	/DALI	/HT60
Luminaire type	Body size: S – small M – medium	Light output (lm x 100)	Optic: W – wide beam	Color temperature 3 = 3000K, 4 = 4000K, 5 = 5700K	Cover KC – clear glass PC = clear polycarbonate PCO = opal polycarbonate PCN = prismatic polycarbonate	Driver type: ND – no dimmable DALI – dimmable DALI	HT – fittings for installation into higher ambient temperature



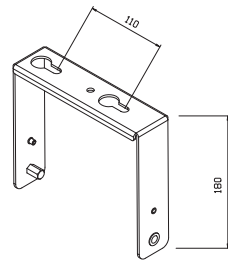
HBS120



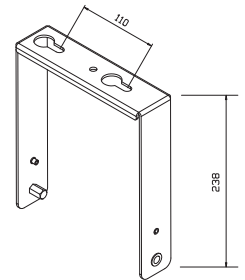
HBS120+HBSREF/B



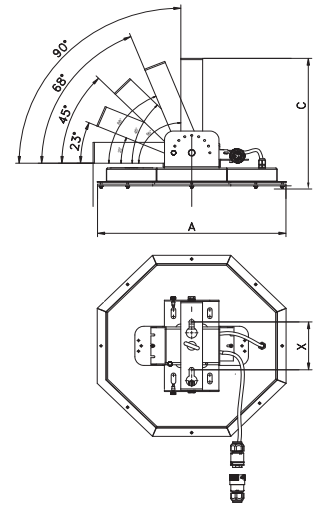
HBSREF/B



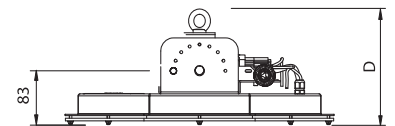
HBS 1810004010



HBM 1810004008



SURFACE INSTALLATION



ONE POINT PENDANT INSTALLATION

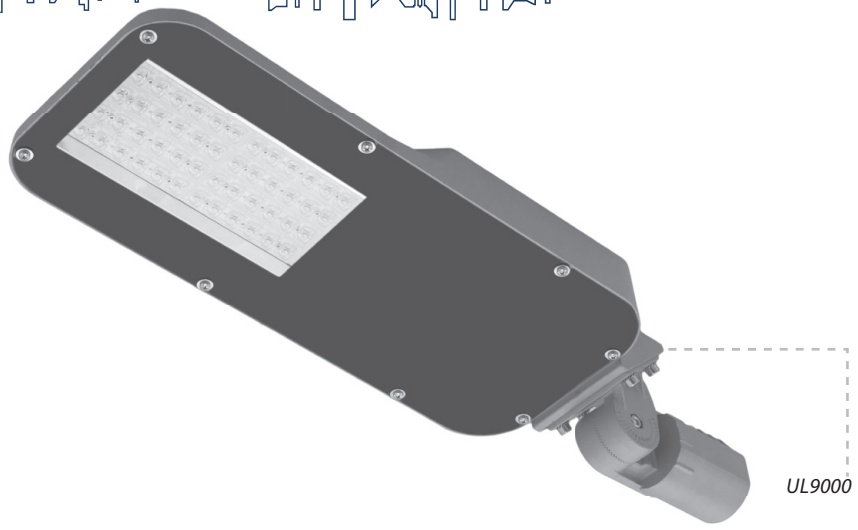
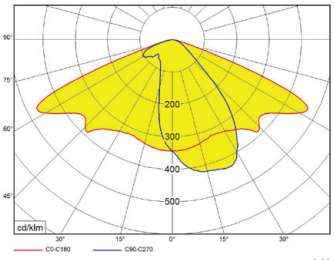
HB	W	lm				A	B	D	X	kg
		PC	KC	PCO	PCN					
HBS120	82	12 300	12 600	10 000	9 500	310	234	177	110	3
HBM250	162	26 000	26 500	21 200	20 000	424	300			5

HB /HT	W	lm				A	B	D	X	kg
		PC	KC	PCO	PCN					
HBS120 /HT60	82	12 300	12 600	10 000	9 500	310	234	177	110	3
HBM250 /HT55	162	26 000	26 500	21 200	20 000	424	300			5

lm - luminaire light output

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η_{ef} (lm/W)
114-137



LED street light fitting

Body:
Polyester powder painted non-corrosive high-pressure die-cast aluminium

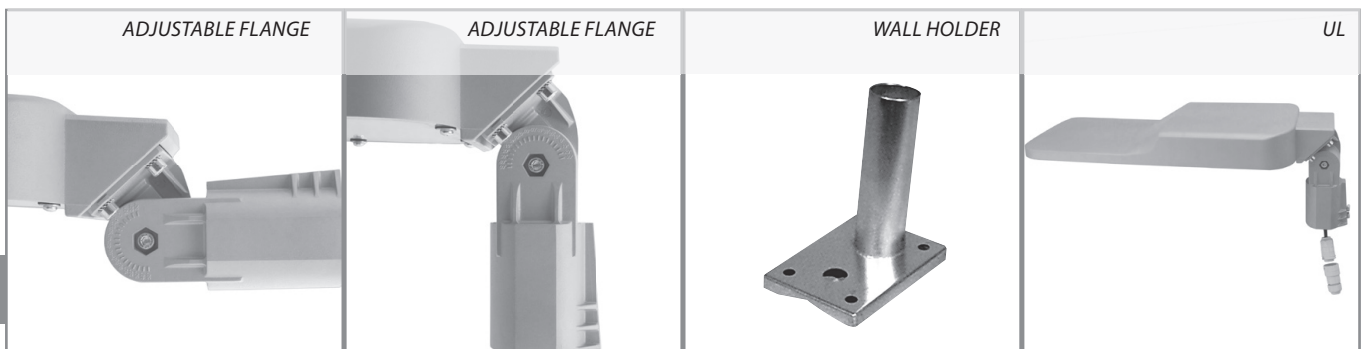
Optic:
Asymetric glare-free optic lens
Tempered 4 mm flat glass

Application:
Mounting module is fixed to any post top 60 mm or side entry spigot 60 mm.
Adjusting angle from -30° to +90°.
Recommended height of installation 6-14 m.

Accessories:
PR42/60 - Flange reduction 42mm/60mm
245039902 - wall holder

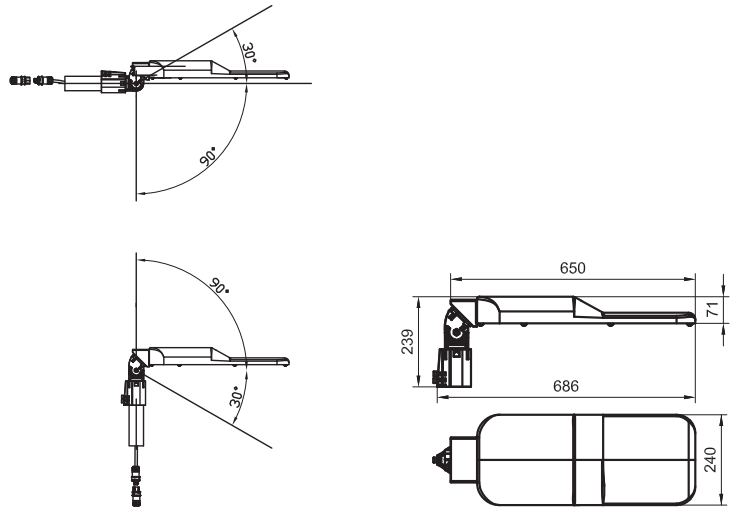
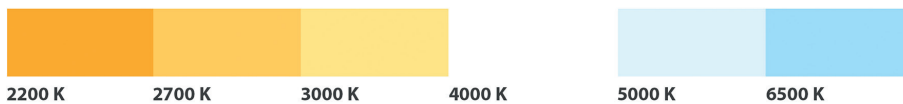
2200	2700	3000	4000	5000	6500	MIX	RGB	
○	○	○	○	●	×	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible



Codes: UL5000V15/3DIM

UL	5000	V1	5	/3DIM
Luminaire type	Luminaire light output lm	Used LEDs	Color temperature: 2 = 2700K 3 = 3000K 4 = 4000K 5 = 5000K	Driver type: ND – no dimmable 3DIM – dimmable DALI/STEPDIM/ASTRODIM



UL	W	lm					kg
		V11	V12	V13	V14	V15	
		2200K	2700K	3000K	4000K	5000K	
UL 3500 ND	28	2 000	3 070	3 100	3 160	3 200	8
UL 3500 3DIM	30	2 700	3 740	3 780	3 860	3 900	8
UL 5000 ND	38	3 500	4 800	4 850	4 950	5 000	8
UL 5000 3DIM	47	3900	5470	5530	5650	5700	8
UL 7500 3DIM	56	5300	7400	7470	7600	7700	8
UL 9000 3DIM	87	7750	10750	10860	11080	11200	8
UL 11500 3DIM	103	9100	12600	12800	13100	13200	8
UL 14000 3DIM	144	11500	15850	16200	16550	16700	8

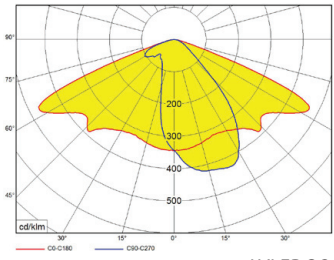
lm - luminaire light output

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LV LEDOS



η_{ef} (lm/W)
114-133



LVLEDOS



LVLEDOS5000

Street LED light fittings

Body:
High quality aluminium body finished in grey colour (RAL7016), stainless clips

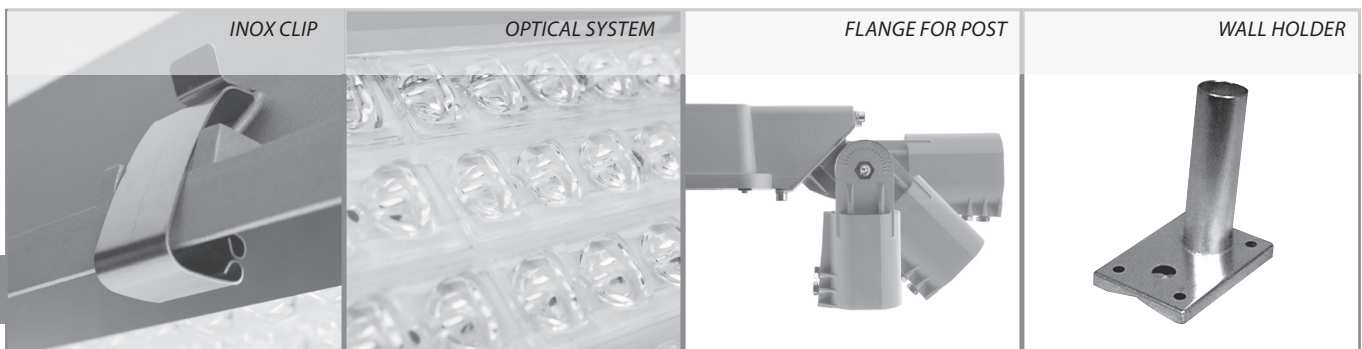
Optic:
OS - secondary optics - lens - with very wide asymmetrical beam
AS - asymmetric optic
Tempered 4 mm glass cover

Application:
Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.
Mounting module is fixed to any post top 60 mm or side entry spigot 60 mm.
Adjusting angle from -30° to +90°.
Optimal for 6-10 m posts.:

Accessories:
PR42/60 - Flange reduction 42mm/60mm
245039902 - wall holder

2200	2700	3000	4000	5000	6500	MIX	RGB	
○	○	●	○	○	×	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible

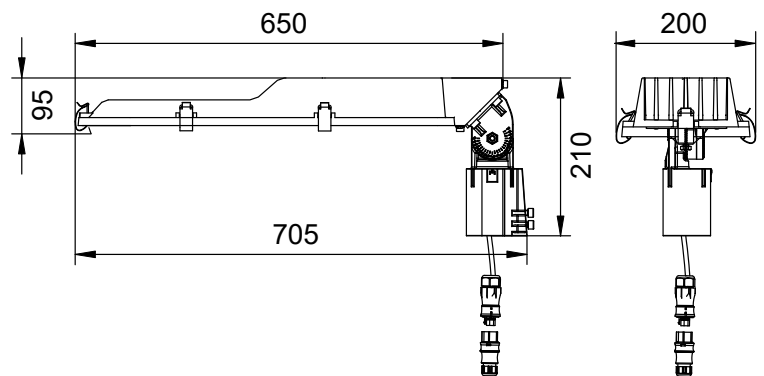
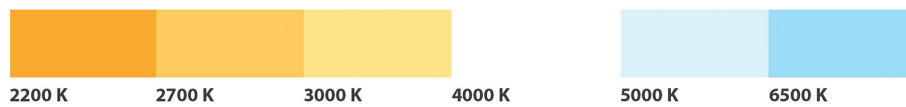


Codes: LVLEDOS5000V23/3DIM

LVLEDOS		5000	V2	3	/3DIM
Luminaire type	Optic: wide beam AS - asymmetric optic	Luminaire light output lm	Used LED	Color temperature: 2 = 2700K 3 = 3000K 4 = 4000K 5 = 5000K	Driver type: ND - no dimmable 3DIM - dimmable DALI/STEPDIM/ ASTRODIM

LVLEDOS	3500	5000	7500	9000
Power	30 W	39 W	58 W	88 W
luminaire light output	3 900 lm	5 000 lm	7 700 lm	11 200 lm
efficiency	130 lm/W	128 lm/W	133 lm/W	127 lm/W
conventional lamps equivalent *	70W	70W 100W	100W	150W

* approximate comparison, does not replace ligh calculation



LVLEDOS	W	lm					kg
		V21	V22	V23	V24	V25	
		2200K	2700K	3000K	4000K	5000K	
LVLEDOS 3500 ND	28	2 000	3 070	3 100	3 160	3 200	7
LVLEDOS 3500 3DIM	30	2 700	3 740	3 780	3 860	3 900	7
LVLEDOS 5000 ND	38	3 500	4 800	4 850	4 950	5 000	7
LVLEDOS 5000 3DIM	47	3900	5470	5530	5650	5700	7
LVLEDOS 7500 3DIM	58	5300	7400	7470	7600	7700	7
LVLEDOS 9000 3DIM	88	7750	10750	10860	11080	11200	7

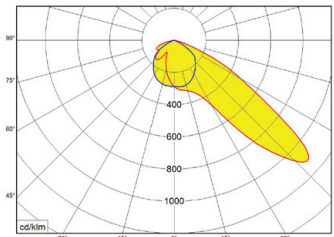
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

LV LEDOS AS



η_{ef} (lm/W)
125



LVLEDOS AS

LVLEDOS AS

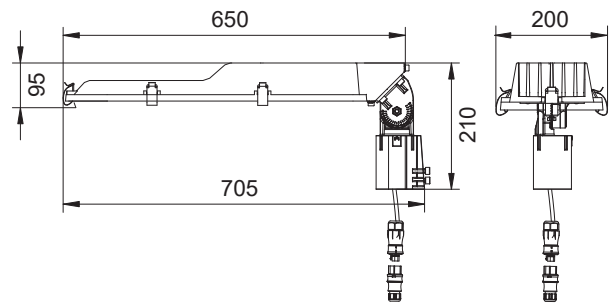
Pedestrian crossing lighting fixtures

Body:
High quality aluminium body finished in grey colour, stainless clips

Optic:
AS - asymmetric optic
Tempered 4 mm glass cover

Wiring:
ND – not dimmable
3DIM – dimmable driver OSRAM 4DIM

Application:
Optimal for 5-8 m posts.

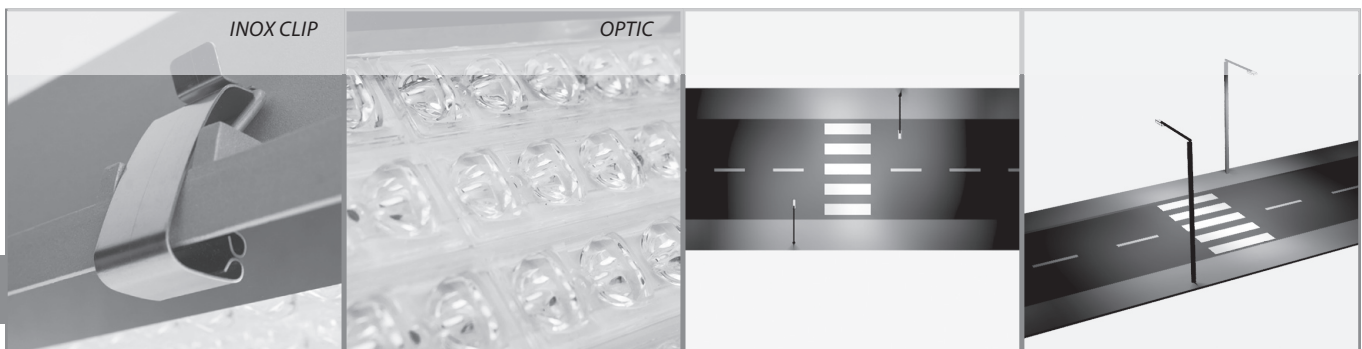


LV LEDOS AS	W	lm	kg
LVLEDOSAS5000	56	7100	7

lm - luminaire light output

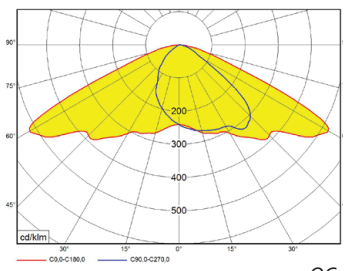
2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	×	○	●	×	×	×	×
●	×	×	×	×	×	×	×	●

● default ○ optional × not possible





η_{ef} (lm/W)
122-123



OC

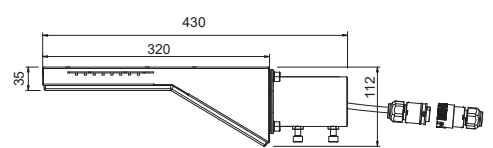
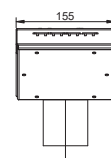
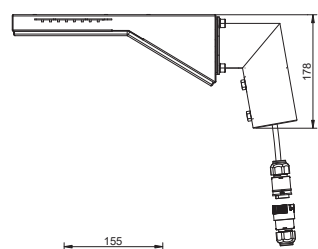
Outdoor LED fitting

Body:
Black (RAL9005) painted aluminium sheet

Optic:
clear glass
PC - clear polycarbonate

Application:
Outdoor fitting for general using

Note:
V60 – flange for bracket 60 mm
S60 – flange for post 60 mm

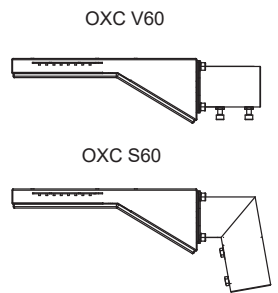
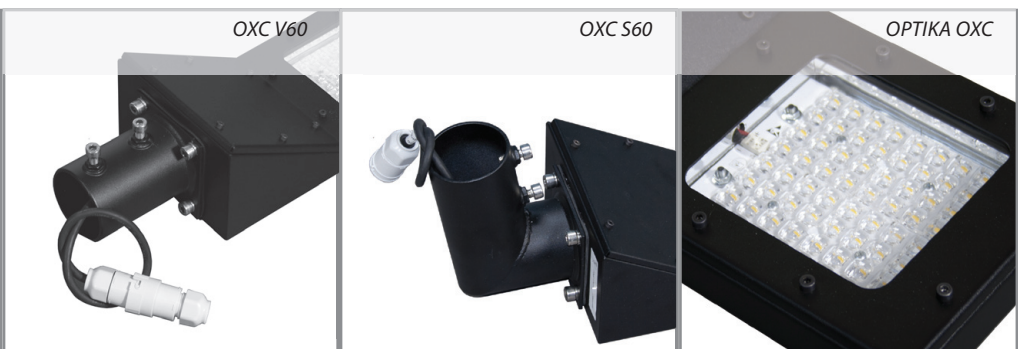


OC	W	lm
OXC2000	18	2200
OXC3000	26	3200

lm - luminaire light output

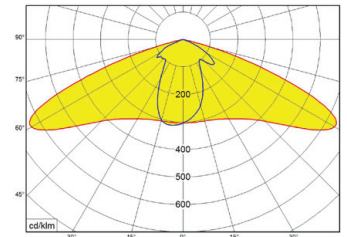
2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	✗	✗	✗	✗	✗	✗	●

● default ○ optional ✗ not possible



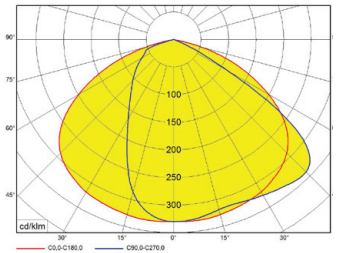


	LED	220 240 V 50-60 Hz	DIMM 	IP 65	IK 08 	CRI 70	
EN 62 471 RG 0		EEC A+		100 000 L70B50			
η_{ef} (lm/W) 140-156							



STLC

STL



STLP

LED street light fitting

Body:
Polyester powder painted non-corrosive high-pressure die-cast aluminium

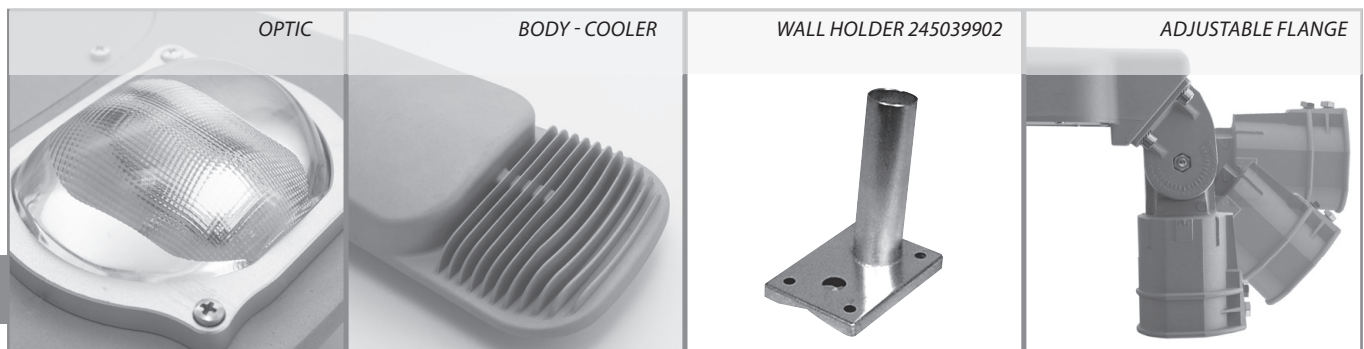
Optic:
Asymmetric glass optic
STL C – optic for roads
STL P – optic for open areas

Application:
Mounting module is fixed to any post top 60 mm or side entry spigot 60 mm.
Adjusting angle from -30° to +90°.
Recommended height of installation 4-8 m.

Accessories:
PR42/60 - Flange reduction 42 mm/60 mm
245039902 – wall holder

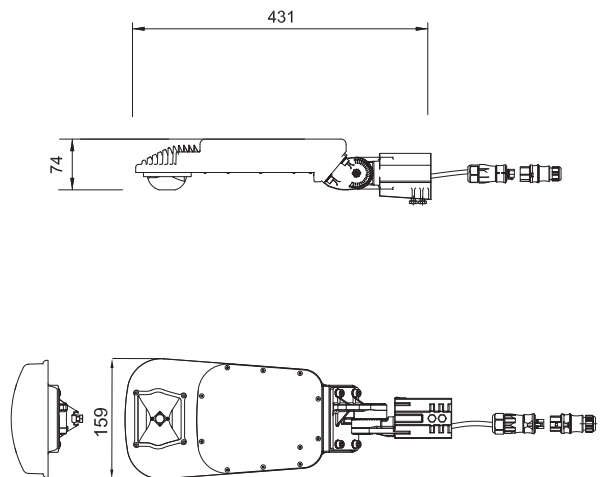
2200	2700	3000	4000	5000	6500	MIX	RGB	
×	×	●	○	○	×	×	×	×
●	×	○	×	×	×	×	×	●

● default ○ optional × not possible



Codes: STL4000C3/ND

STL	4000	C	3	/ND
Luminaire type	Luminaire light output lm	Optic: C – roads P – open area	Color temperature: 3 = 3000K 5 = 5000K	Driver type: ND – no dimmable 4DIM – dimmable DALI/STEPDIM/ ASTRODIM



STL	W	lm		kg
		C	P	
STL4000	27	4000	4000	5
STL6000	39	5600	5600	
STL8000	60	8700	8800	

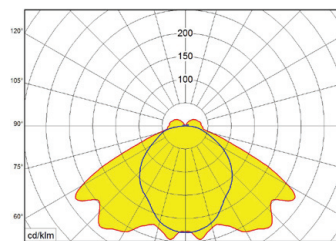
lm - luminaire light output

Due to MODUS program of products development a data can be changed without notice. Luminous flux and connected electrical load are subject to an initial tolerance of up to + / - 10%. Color temperature is subject to a tolerance of up to +/-150 K from the nominal value. The failure of 1 LED points causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint.

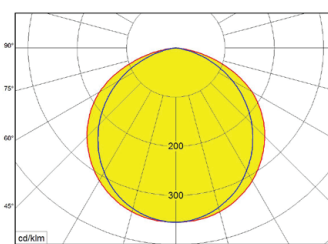
LV236LED



η_{ef} (lm/W)
102-109



LV 236LED



LVS 236LED

Street LED light fittings

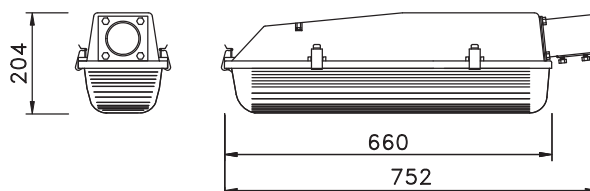
Body:
High quality glass reinforced pressed polyester body, stainless clips

Optic:
LV - Polycarbonate clear cover
LVS - flat glas cover

Lamp:
LED tube 18W

Application:
Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.
Optimal for 4-7 m posts.

Note:
Flanges of LV236LED luminaires are the same with flanges of classic LV.
The fittings are delivered with flange, but type of flange must be specified in order.
V60 - flange for bracket 60 mm
S60 - flange for post 60 mm



LV	W	lm	kg
LV136LED /LOS840	17	1850	3,6
LV236LED /LOS840	34	3450	3,8

LVS	W	lm	kg
LVS136LED /LN840	17	1750	3,8
LVS236LED /LN840	35	3400	4

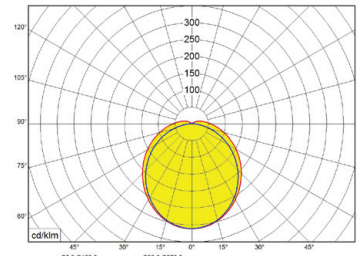
lm - luminaire light output 830 = 3000 K, 840 = 4000 K,

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	×	×	×	×	●
●	×	×	×	×	×	×	×	×

● default ○ optional × not possible



η_{ef} (lm/W)
100-128



LVX



Street LED light fittings

Body:
High quality glass reinforced pressed polyester body, stainless clips

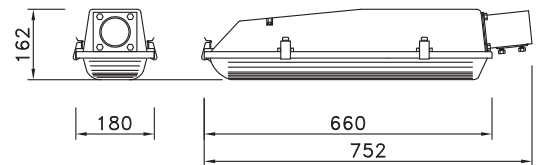
Optic:
LVX - Polycarbonate opal cover

Application:
Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.
Optimal for 4-7 m posts.

Note:
Flanges of LV LED luminaires are the same with flanges of classic LV. The fittings are delivered with flange, but type of flange must be specified in order.
V60 - flange for bracket 60 mm
S60 - flange for post 60 mm

	W	lm	kg
LVX3000NO4/NDV60	32	3 200	3,8
LVX3000NO4/NDS60			
LVX4500NO4/NDV60	39	5 000	
LVX4500NO4/NDS60			

lm - luminaire light output

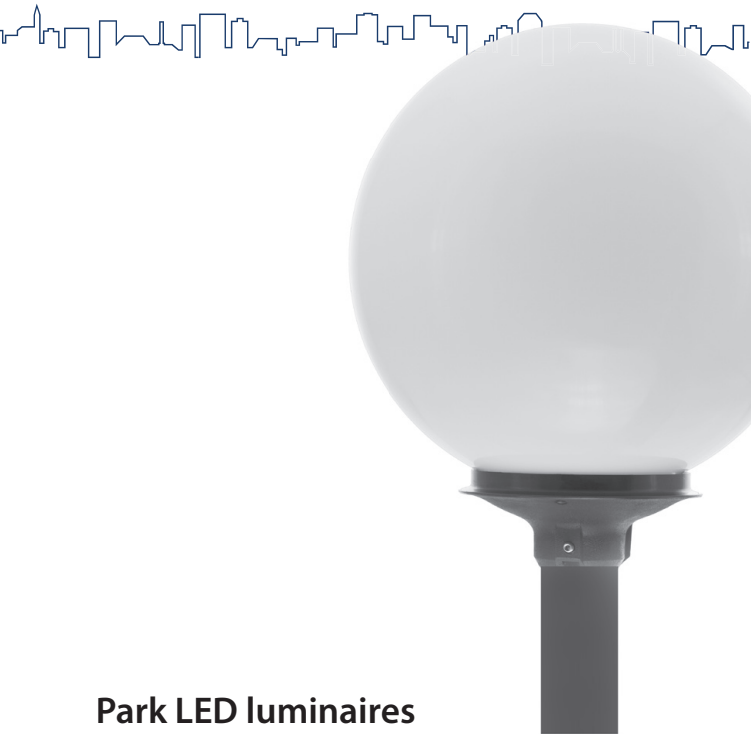


2200	2700	3000	4000	5700	6500	MIX	RGB	
✗	○	○	●	○	✗	✗	✗	✗
●	✗	✗	✗	✗	✗	✗	✗	●

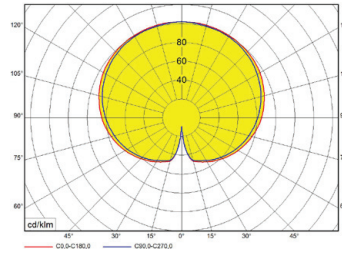
● default ○ optional ✗ not possible



PARKLED



η_{ef} (lm/W)
117



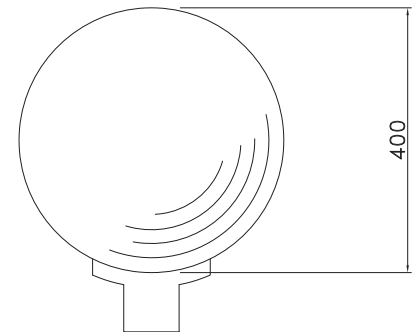
PARKLED

Park LED luminaires

Body:
Chassis CH400 for installation on post 60 mm

Optic:
opal sphere diameter 400 mm, PMMA

Application:
Park luminaire for illuminating parks, pedestrian zones, parking places...

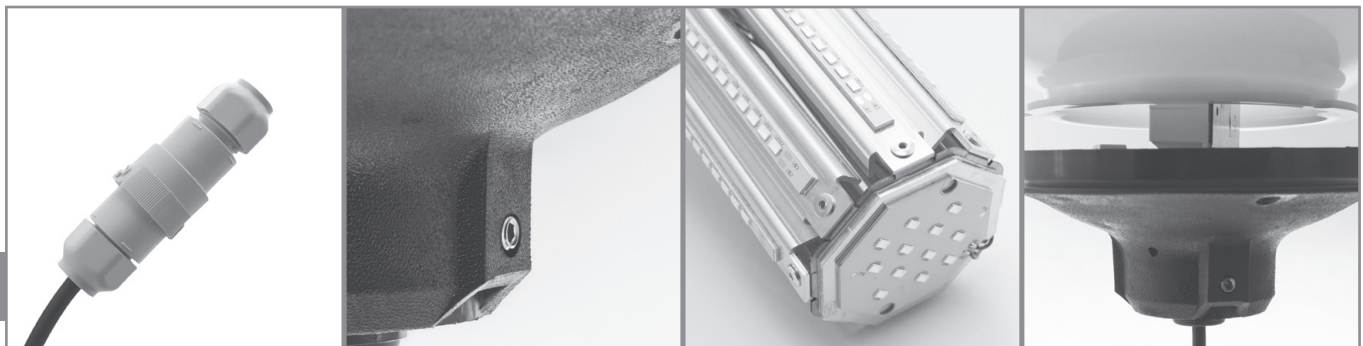


	W	lm	kg
PARKLED5000KO400	42	4 900	5

lm - luminaire light output

2200	2700	3000	4000	5700	6500	MIX	RGB	
×	×	○	●	○	○	×	×	×
●	×	×	×	×	×	×	×	●

● default ○ optional × not possible



3 DIM = DALI - STEPDIM - ASTRODIM

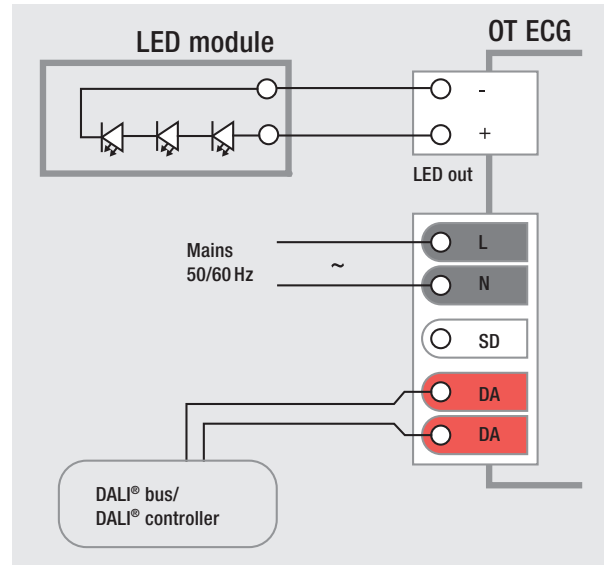


OPTOTRONIC 3DIM ECGs offers three different control and dimming functions in one electronic control gear:

- DALI – digital interface for bi-directional communication
- StepDIM – dimming with the help of a dedicated control line
- AstroDIM – autonomous two-level dimming

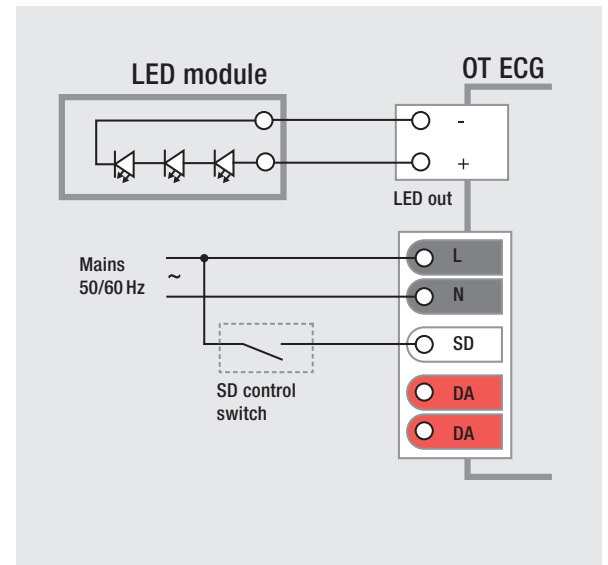
DALI – digital addressable lighting interface

DALI is an international standard communication protocol for electronic control gears. It is defined by the standard IEC 62386. In street lighting applications, DALI® is used for bi-directional communication between the ECG and telemanagement systems, which allow for fully customized lighting and monitoring of individual light points.



StepDIM – midnight step-down/ half-night switch

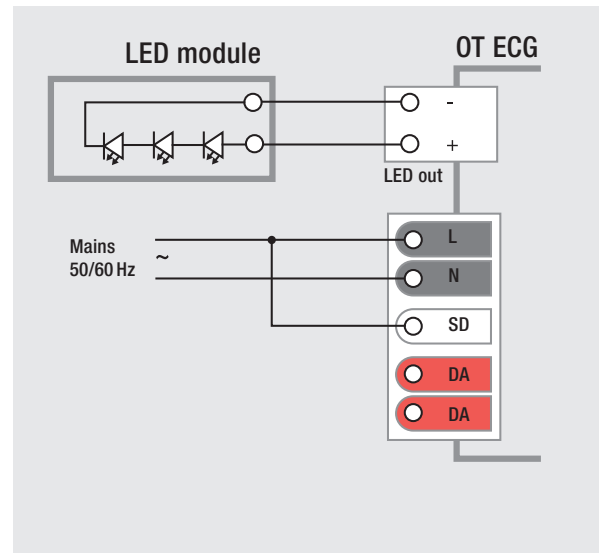
StepDIM is used in installations where a dedicated control line (switched phase) is available in addition to the power line. The switched phase is connected to the SD terminal of the 3DIM ECG and an external actuator is used to start and end dimming. The dimming parameters (e.g. dim levels and fade times) are preset and can be modified.



AstroDIM – autonomous dimming without external control

AstroDIM is designed for dimming without any external control wiring.

Therefore, AstroDIM helps to save energy and reduce light pollution, even if only a power line is available. In AstroDIM operation, the ECG executes a preset dimming profile, which can be reconfigured. The autonomous dimming is regulated by an integrated timer (no real-time clock), which adjusts the dimming profile according to the previous night (operation from switch-on to switch-off). It is possible to activate two independent dim levels. Im - luminaire light output



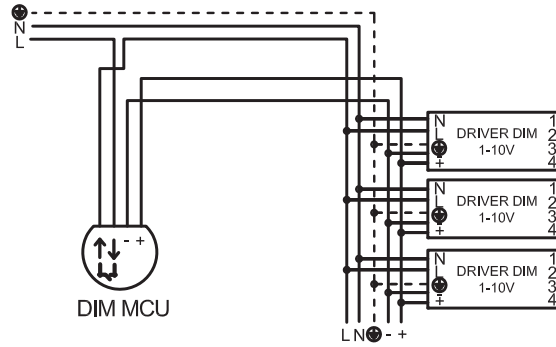
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DIMMING



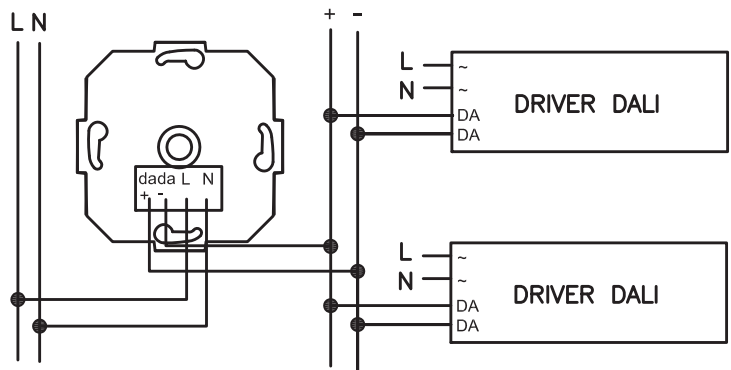
DIM

- Control is via an DC voltage signal of 10V to 1V
- communication line – 2 wires, polarity + and - must not be confused
- controller e.g. OSRAM DIM MCU or ABB 2112 U-101



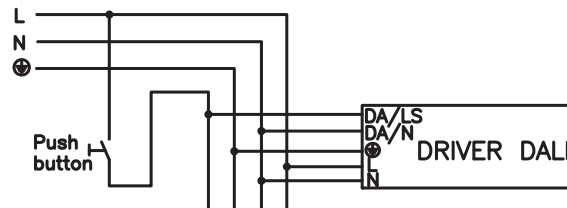
DALI

- DALI is a non-proprietary interface standard for dimmable electronic control gears
- Switching and dimming are handled via the control line (2 wires without polarity)
- controller e.g.. OSRAM DALI MCU (up to 25 DALI drivers)
- ABB 2117/11 U-500 (up to 37 DALI drivers)



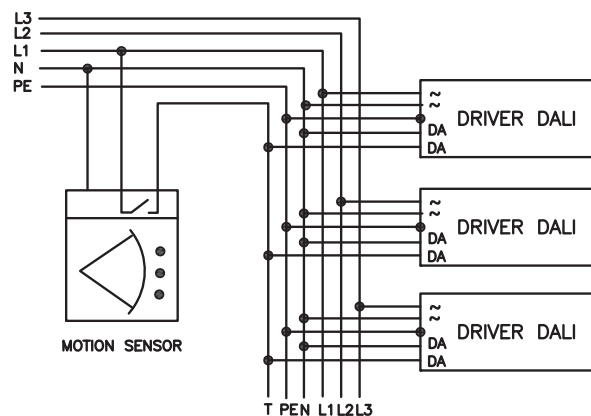
DALIT – TOUCH DIM

- DALI controlling without controller – just with touch button
- easy control line – one wire
- suitable for home applications – optimal for single luminaire



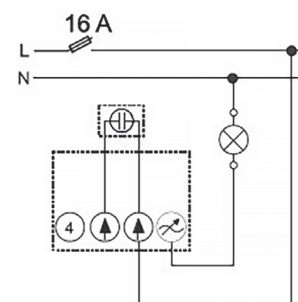
DALIT – CORRIDOR

- DALI controlling with presence detector
- easy control line – one wire
- suitable for stairwells, corridors, large storage facilities



PHC – PHASE CUT

- Phase cut dimming
- Communication line = power supply line
- suitable for home applications – optimal for single luminaire
- max luminaire power 40W
- controller e.g. HAGER 85421200



SIMPLE CONTROL

CORRIDOR

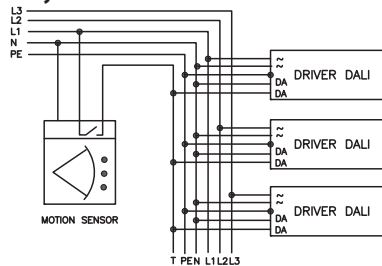
system evaluates a human presence in space, does not control a level of suitable for areas with little natural light, windowless rooms with high traffic

Components:

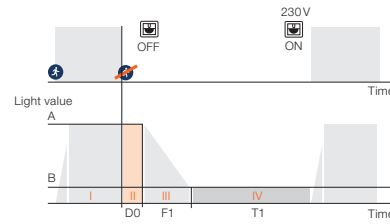
- Luminaires with DALI drivers
- PIR sensors

System configuration:

Functionality:



When moving detected in the area the light level increases to 100%



(stage I). After leaving for 2 min illuminated to 100% (stage II), and subsequently during 30 seconds the light level decreases to 10% (phase III). At this level illumination remains until the sensor again switch on by moving in the space (phase IV).

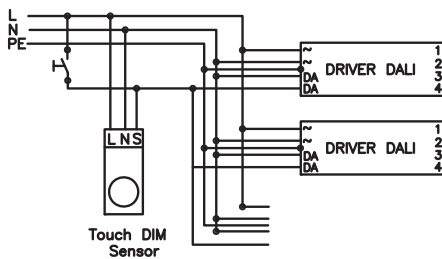
SMALL OFFICE

OSRAM Touch-dim with sensor light and presence detection
Operated via standard switches
Suitable for up to 4 luminaires

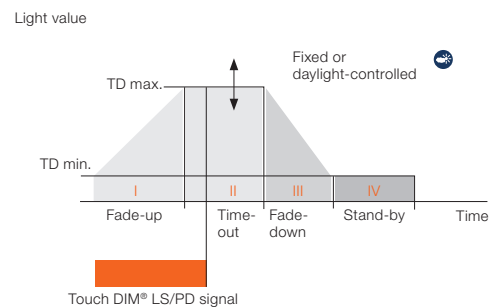
Components:

- Luminaires with DALI drivers
- OSRAM Touch dim sensor LS/PD
- Push button

System configuration:



When moving detected in the area the light level increases to a level set



in the sensor (phase I). After leaving for a period of 15 minutes keeping the same level of illumination (phase II), and subsequently during 32 seconds the light level decreases to the minimum level (phase III). At this level of illumination remains 5sec and does not occur if during this time the movement in space, the lighting is switched off (phase IV). Adjusting the lighting level is done using push button.

Functionality:

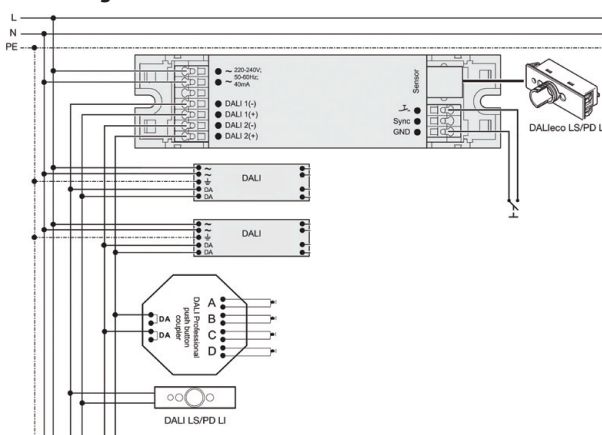
OFFICE, SHOP, SMALL PRODUCTION HALL

OSRAM DALIeco
-dependent regulation and presence-dependent control of light
Operation via standard pushbutton or IR remote control
Suitable for Offices, Classrooms, Training rooms, Corridors, Small production halls
2 channel light control with DALI interface
Suitable for up to 32 electronic control gears

Components:

- Luminaires with DALI drivers
- Control unit OSRAM DALIeco (MODUS SENZORDALIECO)
- OSRAM Touch dim sensor LS/PD
- OSRAM DALI LS/PD LI
- DALI PB Coupler
- Remote controller
- Push button

System configuration:



The basic system includes a control unit OSRAM DALI and eco DALIeco sensor LS / PD LI with a button, all other components are optional and extend the capabilities of the system.

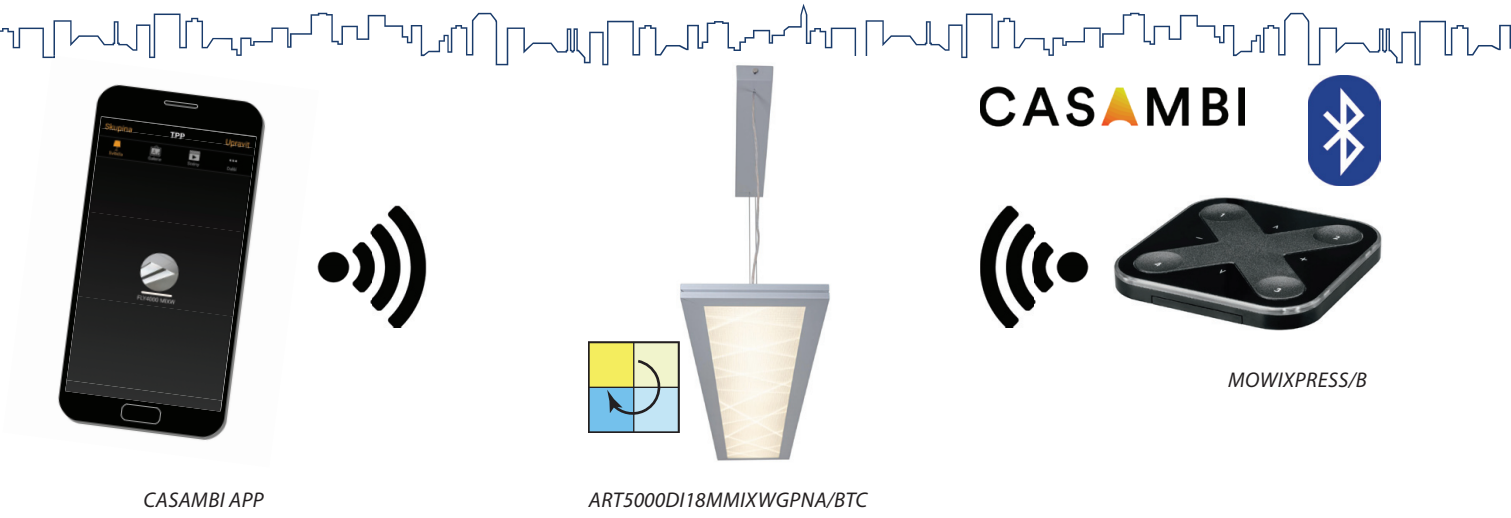
Functionality:

Optional 6 preset operating modes (CORRIDOR / MEETING ROOM / SANITARY ROOM / STAIRS / OFFICE / OPEN OFFICE). Using the programmer can be set an individual operating mode.



SENZORDALIECO

MODUS WIRELESS = MOWI



BT and BTC light fittings

Easy wireless lighting control via Bluetooth and the Casambi app for Android and iOS devices. Up to 127 luminaires.

- Control possibilities:**
- On/Off
 - dimming
 - colour temperature adjustment*
 - grouping
 - setting up scenes
 - setting up animations
 - timers
 - security settings

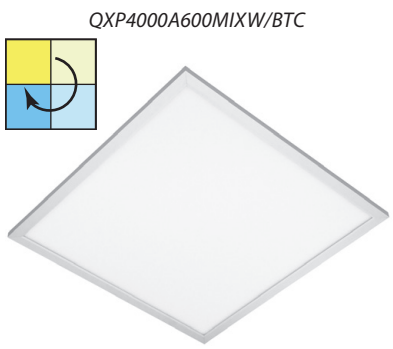
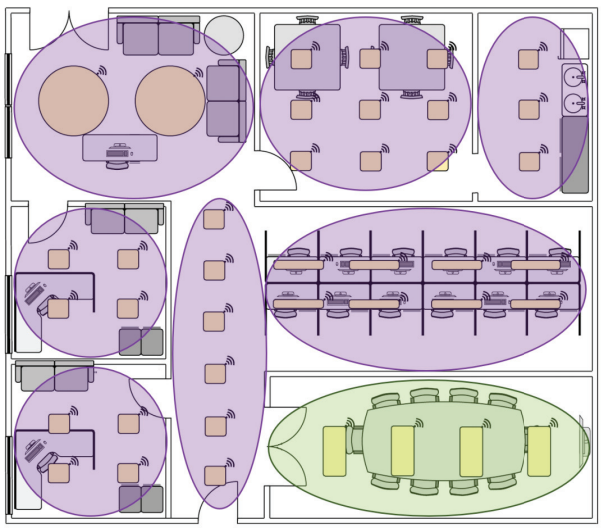
Open system:
variety of controllers, sensors and another luminaires

Application:

- dimming without any control wiring (DALI, 1...10V)
- automatic color temperature adjustment based on daytime allows to influence the circadian rhythm*

*only MIXW light fittings

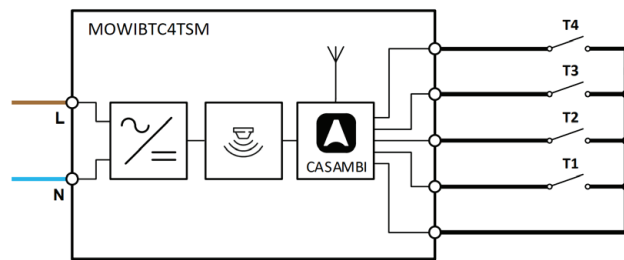
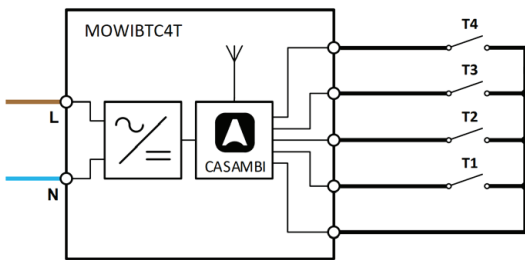
- BT and BTC cannot be installed into: OX, STL, LVLEDOS, UL, LVX, SOL, SPMT, DOP, SBL, HB, HLT, FSQ, DS, BONLED, PARKLED





MOWIBTC4T module

Device for 230V AC and 4 Push buttons.
 Installation into the junction box behind the momentary switches.
 You can set up the push buttons in the app to do what you wish.
 MOWIBTC4TSM – version with microwave sensor.



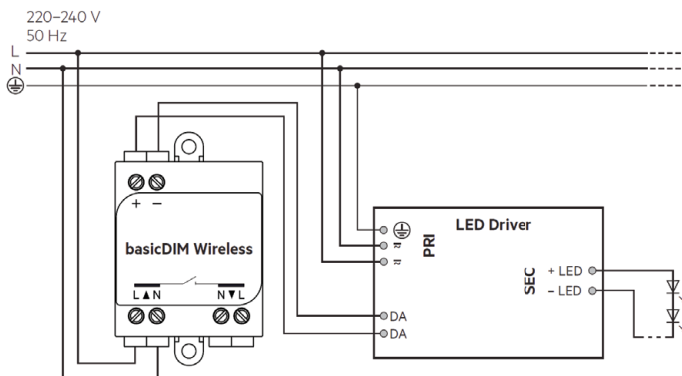
BTC model

Multipurpose Casambi module for installation into luminaire or into wall push button
 Set the profile according to how do you want want to use the unit.

Profile: ,bDW (DALI/BC/Dim)' (default)

for DALI luminaire installation

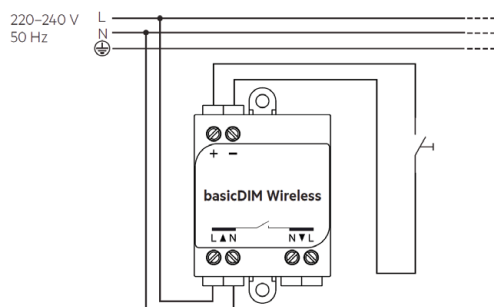
*BT and BTC luminaires are already equipped with this module or with the Bluetooth driver and correct profile is already set at the factory.



MOWIBTC

Profile: ,bDW (Push button)'

turns standard wall push button into Casambi controller



MODUS WIRELESS = MOWI

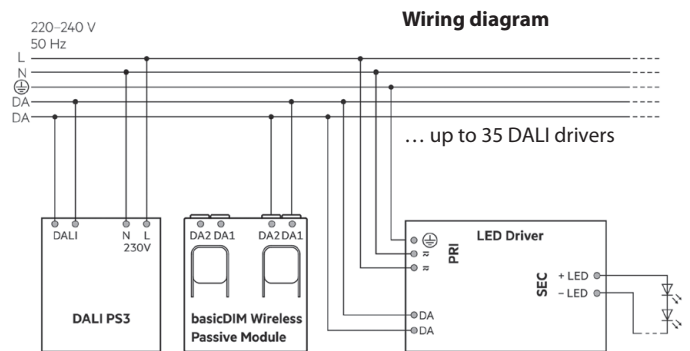
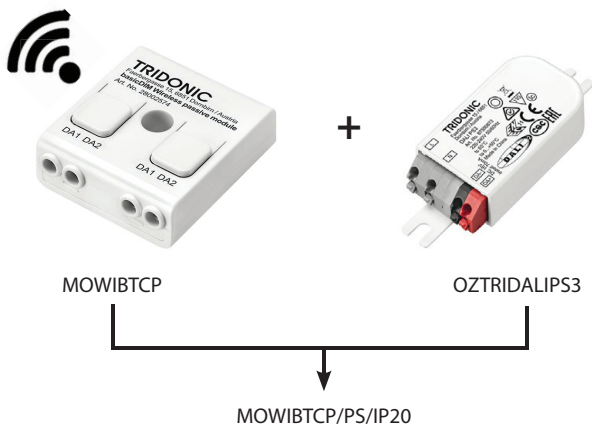


MOWIBTCP/PS/IP20 - Bluetooth control of small DALI networks

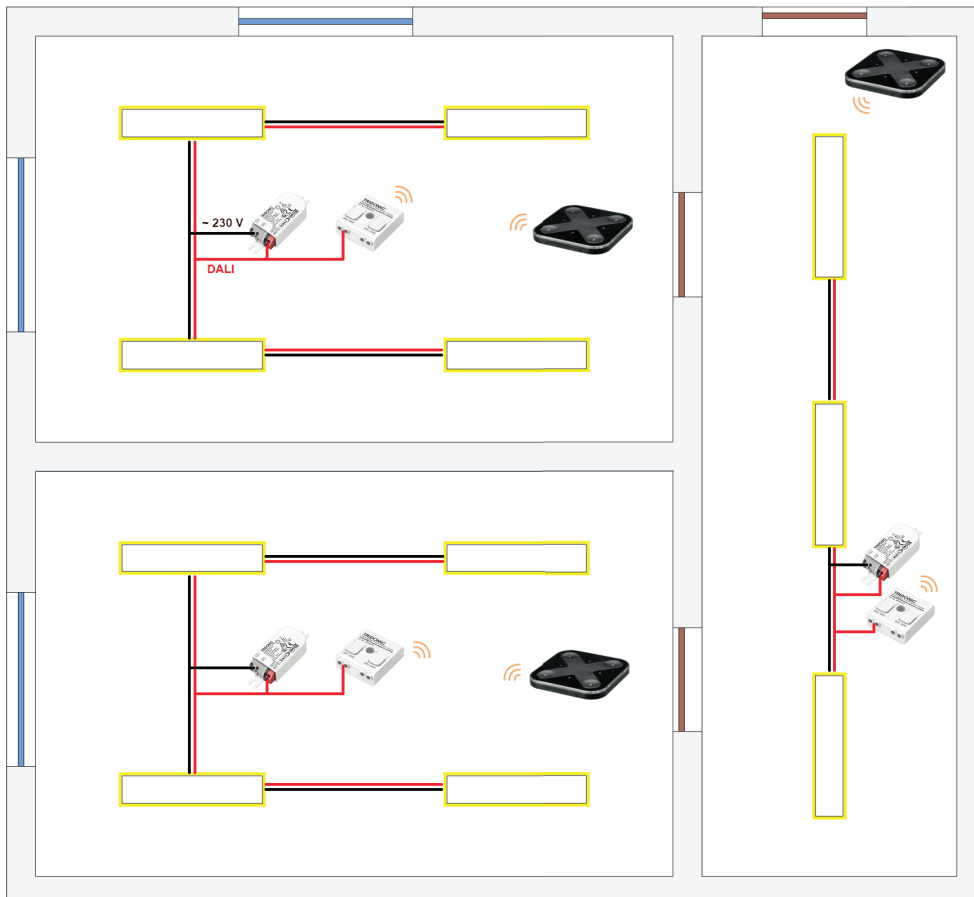
Simple wireless control of small DALI network with the Casambi App.
 The kit includes a Bluetooth-DALI gateway and a small DALI bus power supply for up to 35 DALI luminaires.
 It works in broadcast mode - it is not possible to control the luminaires individually, the whole network behaves the same way.
 Can be combined with all Casambi accessories and luminaires equipped

Application:

- Lighting control in one room or in part of it.
- Possibility to set up automation - using timers
- Color temperature adjustment of the MIXW luminaires (DALI DT8) including the setting of the circadian curve.



Application example

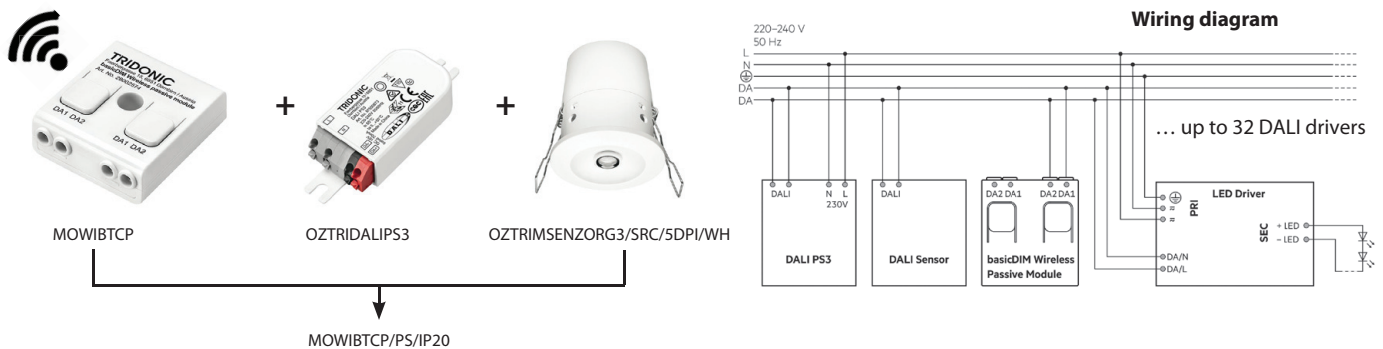


MOWIBTCP/PS/PS/IP20 - Small BT DALI network with sensor

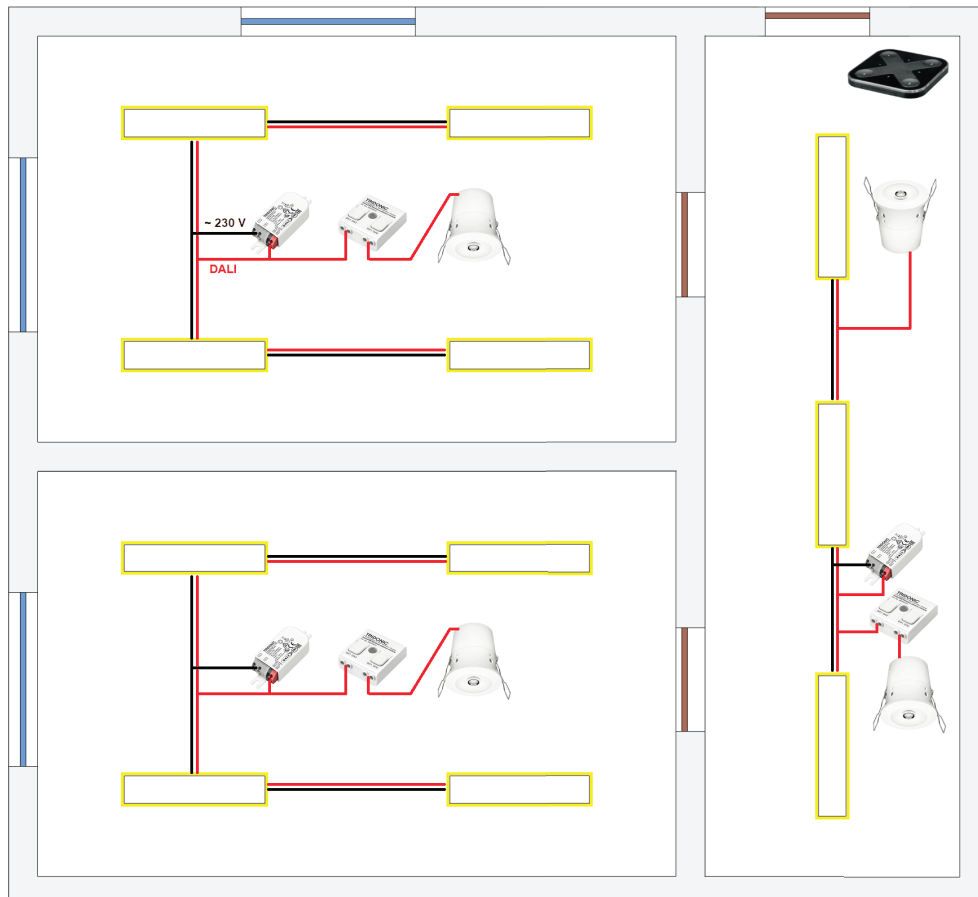
Bluetooth setup of DALI network with motion sensor and ambient light using Casambi mobile app.
Kit includes Bluetooth-DALI converter, built-in DALI2 Sensor and small DALI bus power supply for up to 32 DALI luminaires.
Can be combined with all Casambi accessories and separate BT and BTC luminaires.

Application:

- Sensory control of one room or part of it.
- Daylight harvesting.
- Automatic dimming when presence is not detected.
- Possibility to set the color temperature of the MIXW luminaires (DALI DT8) including the setting of the circadian curve.



Application example



MODUS WIRELESS = MOWI



Luminaires /AA – with built-in Helvar ActiveAhead Sensor



Luminaires equipped with Helvar BT module and Sensor.

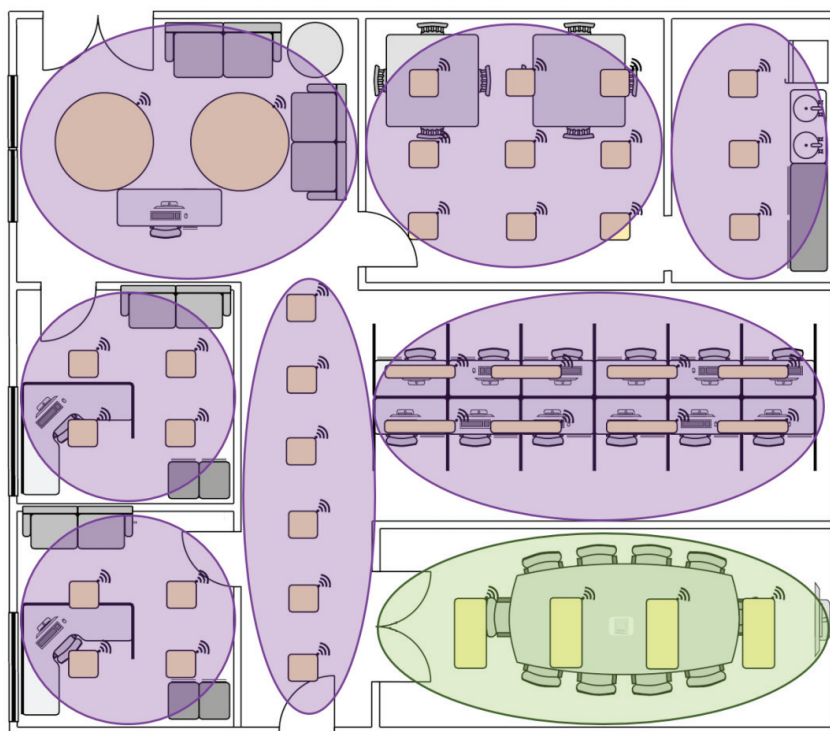
Smart self-learning firmware saves your time by self grouping and predicting following steps of the person walking through the building.

If you need set the sensor parameters to non-default values, then you can use ActiveAhead mobile app.



E.g. in meeting room, there is always need of manual light-control for presentation.

So here you can use ActiveAhead app to create group „meeting room“ and add the wall switch.



Self-configured rooms

Meeting rooms with the wall switch



ED4000A4Z90/2/600/AA



AREL3000RL1KVM3AA/9016

SRS – smart sensor luminaires

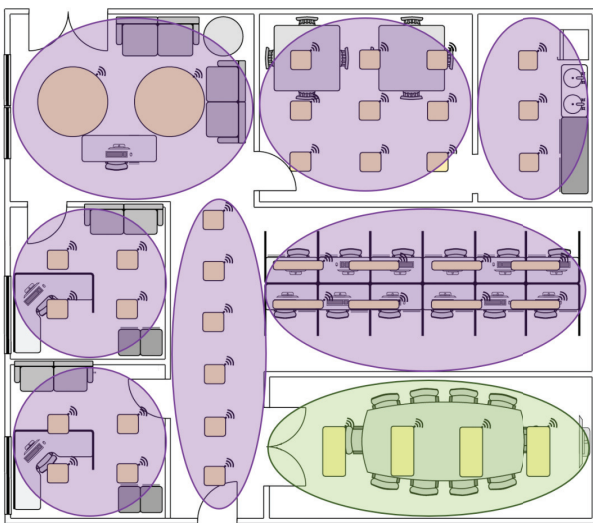
Luminaire controlled primary by the motion sensor and daylight intensity.

Fast and easy mobile app grouping and parameter setting due to IR communication.
(You can contact us for list of compatible Android devices)

Sensor parameters can be also both read and written by **NFC** mobile App **Philips Field Apps**

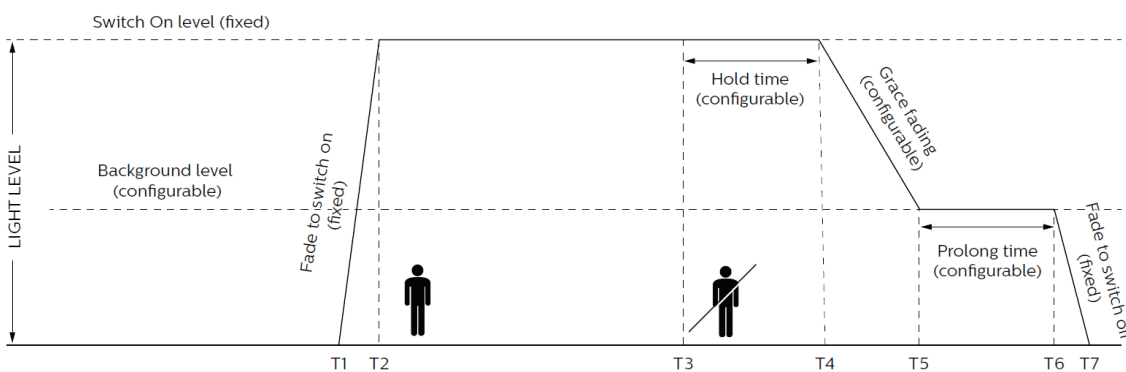
You can also keep the factory settings for autonomous operation of luminaires (no groups).

PHILIPS



**Wireless and Batteryless EnOcean switch
MOWISR/UID8460**

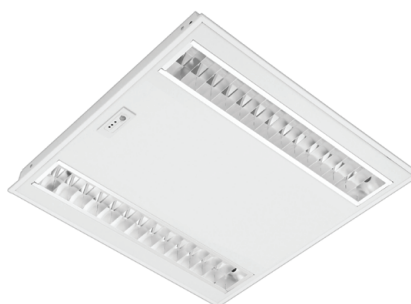
Grouping example



Adjustable parameters



AREL2000RM1KVM4SRS/9016



ISSAC2KVM4V160/SRS70015



US4000A3KN600/SRS/S59

MODUS WIRELESS = MOWI



Sensor OSRAM LUXeye Sense DALI BT

Motion and Daylight sensor for recessed installation.

- DALI output for up to 20 DALI ECGs
- Kit for mounting on the ceiling: OZOSLUXEYSENSE/CMKIT

Module OSRAM DALI ACU BT

BT DALI module for installation into the junction box.

- DALI output for up to 32 DALI ECGs

Module OSRAM DALIeco BT CONTROL

BT DALI module for installation into the T-bar ceiling

- DALI output for up to 32 DALI ECGs

Module OSRAM DALIeco BT RTC

BT DALI module for installation into the T-bar ceiling

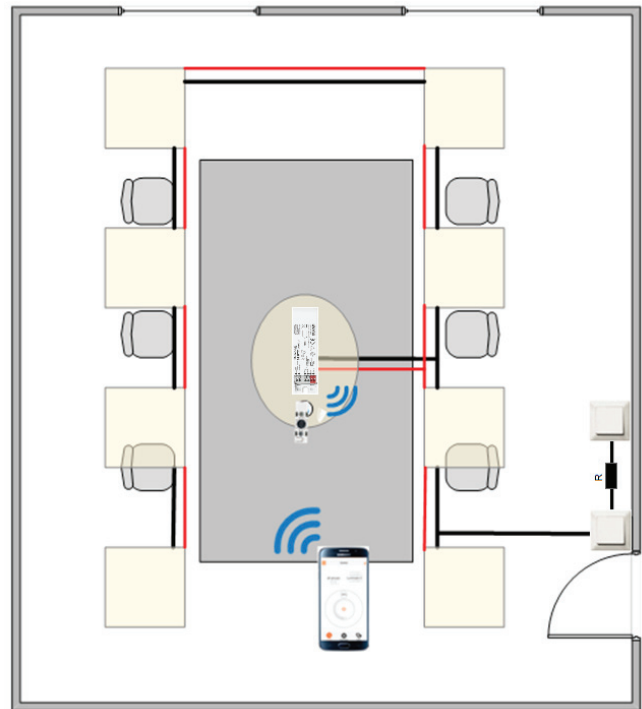
- DALI output for up to 32 DALI ECGs
- In addition, it is equipped with a real-time clock. It can be used for Daylight simulation scene, which changes colour temperature during the day.



OZOSDALIECOBT

Common features:

- Terminal for on/off and touch-DIM button
 - compatible with DALI DT8 drivers – Tunable white
 - Terminal for Colour temperature button
 - compatible with sensor OZOSDALILS/PDCI
 - it's possible to divide the luminaires into the 4 DALI groups
 - scene control in the app
 - good factory settings – system is somehow working even without setting
 - Wireless control with mobile apps
- OSRAM BT CONTROL and OSRAM BT CONFIG



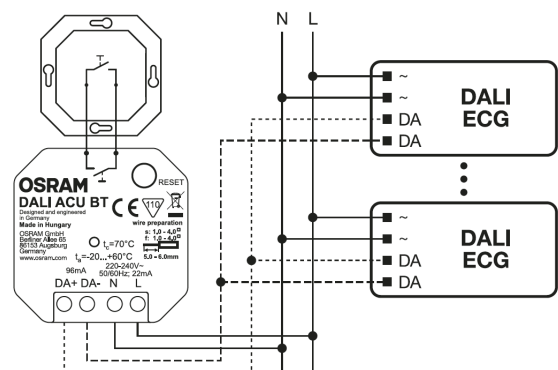
Application example



OZOSLUXEYSENSEBT



OZOSDALIACUBT



MICROWAVE SENSORS



NDSM – non-dimmable luminaire with microwave sensor Hytronik HC005S



HF Motion sensor for ON/OFF switching.
Sensor parameters can be easily adjusted manually by DIP switches at the sensor itself. Available for BR5B, KX, KSL, PL

Detection Area

This determines the effective range of the motion detector.
Note that reducing the sensitivity will also narrow the detection range.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	○	○	●	50%
IV	○	○	○	30%
V	○	○	○	10%



Hold Time

This determines the time the fitting remains at 100% level on motion detection

	1	2	3	
I	●	●	●	5s
II	●	○	●	30s
III	●	○	○	1min
IV	○	●	●	5min
V	○	○	●	10min
VI	○	○	○	20min
VII	○	○	○	30min



Daylight Sensor

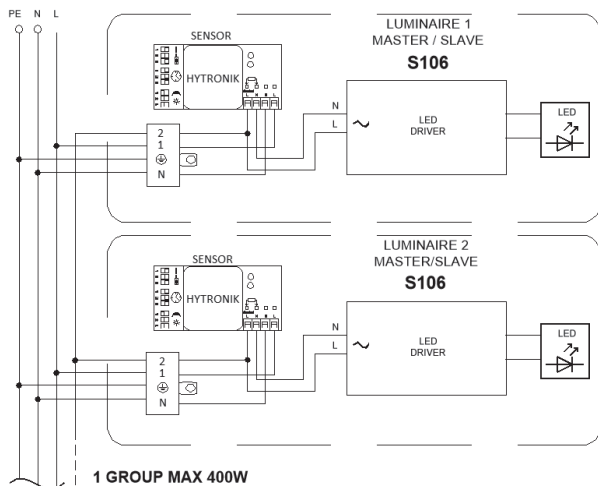
This setting holds off the 100% light output should there sufficient daylight.
E.g. 1 – „Disabled“ = the sensor switches ON even during the day.
E.g. 2 – „5 Lux“ = the sensor only switches ON in the dark.

	1	2	3	
I	●	●	●	Disable
II	○	●	●	50 Lux
III	○	○	●	20 Lux
IV	○	○	○	5 Lux
V	○	○	○	2 Lux

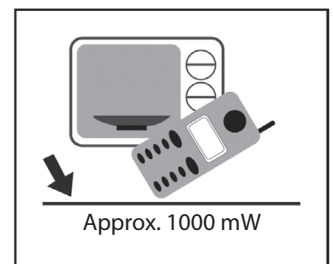
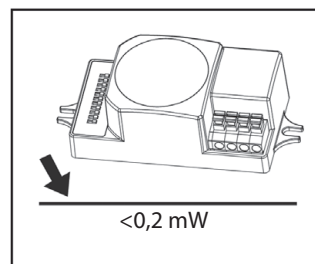


Version /S106 (NDSMM)

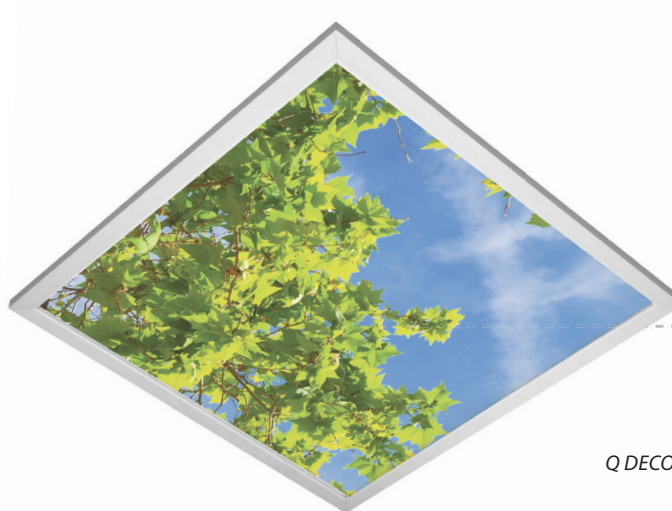
Luminaire is prewired with one terminal extra.
By connecting this terminal it is possible to light up the whole corridor at the same time with one sensor.
Or it is possible to connect a switch to this terminal to bypass the sensor.
The total wattage of such switched lights in one circuit must not exceed 400W.



Comparison of radiated microwave power with mobile phone



MODUS SKY

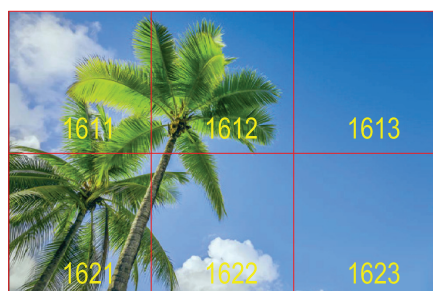


Decorative fittings QD, QPD and IBS are derived from standard fixtures Q, QP or IBP. They have the same dimensions, mounting way and electrical equipment (used LEDs and drivers) – see pages 4 and 14. Due used decors is a light output of the fittings reduced by 30-50% compared with the corresponding variant with opal cover.

MODUS SKY creates a realistic picture of the sky on a room ceiling. Combination of lighting and decorating creates a positive atmosphere in any interior.

The effect of the skylight in the room creates a feeling of openness and space

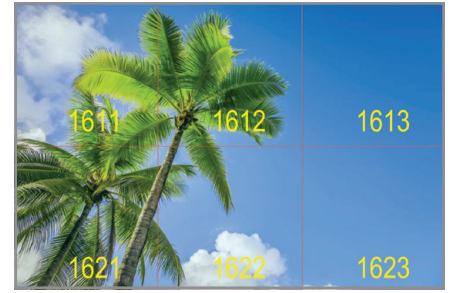
Motives, that can be ordered, you can see on www.modus.cz or at MODUS catalogue, see pages 111 - 113.



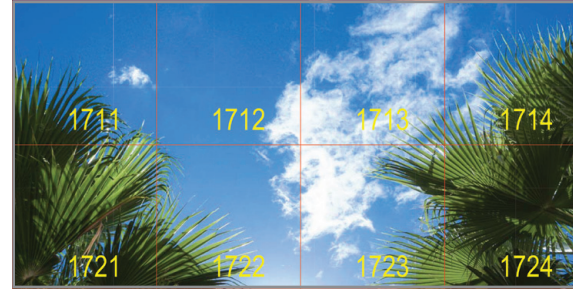
MODUS SKY



SKY 15



SKY 16



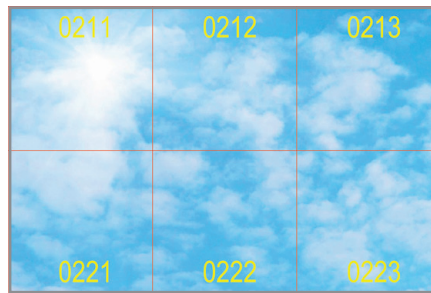
SKY 17



SKY 18



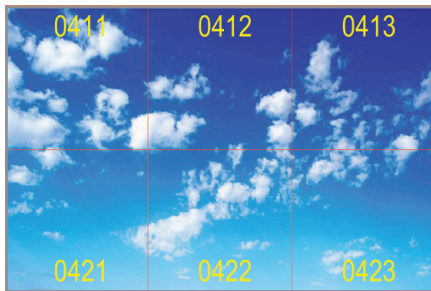
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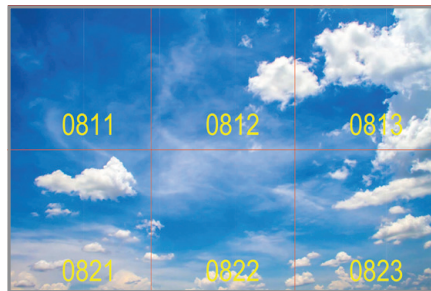
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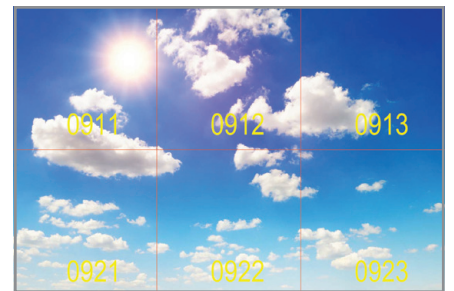
SKY 03



SKY 04



SKY 08



SKY 09



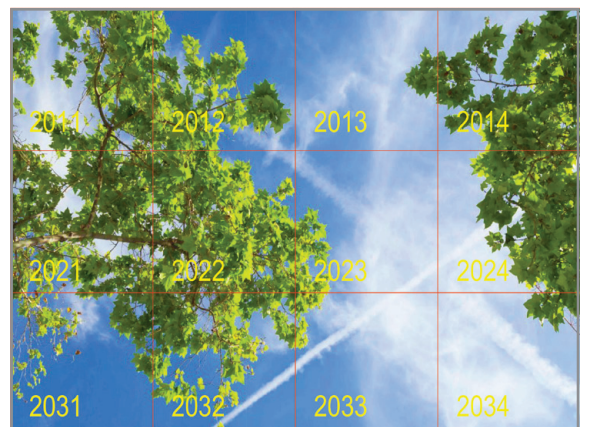
SKY 10



SKY 12

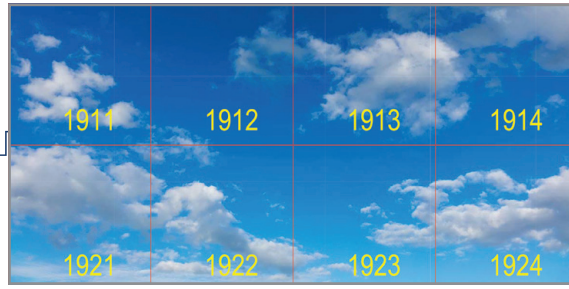


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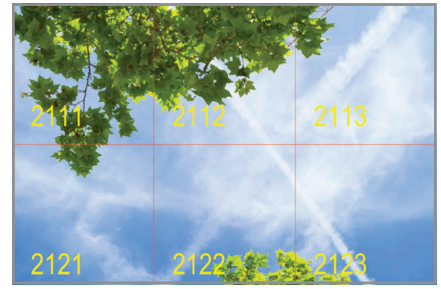


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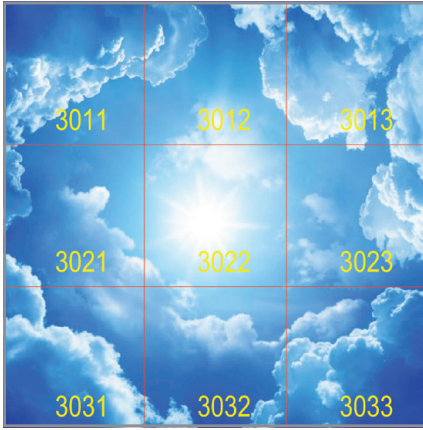
MODUS SKY



SKY 19



SKY 21



SKY 30



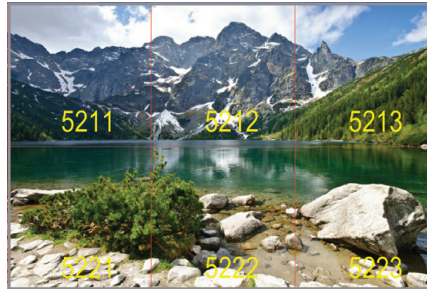
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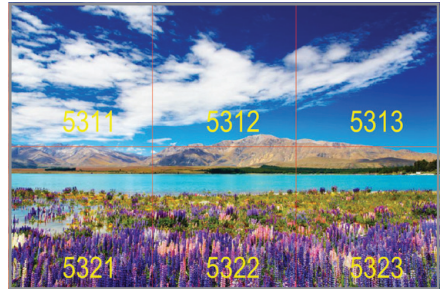
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SKY 50



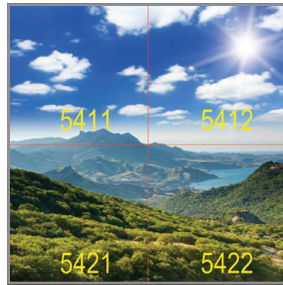
SKY 52



SKY 53



SKY 51



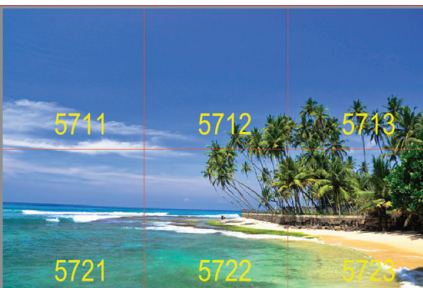
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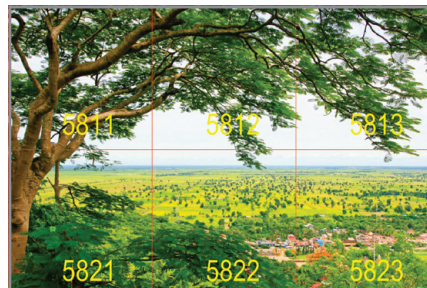
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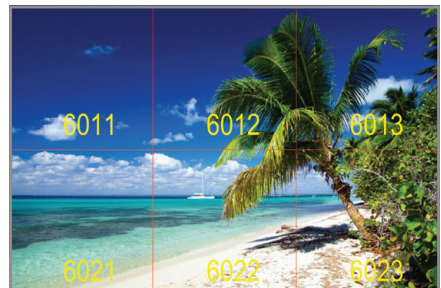
SKY 55



SKY 57



SKY 58



SKY 60



SKY 59



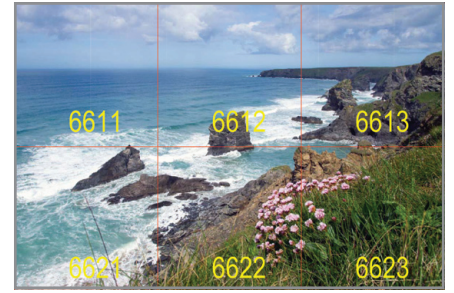
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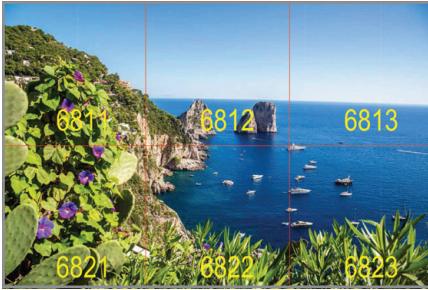
SKY 62



SKY 65



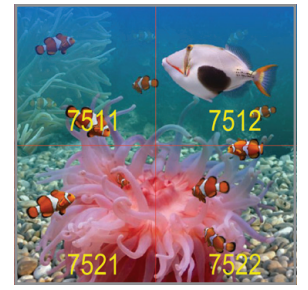
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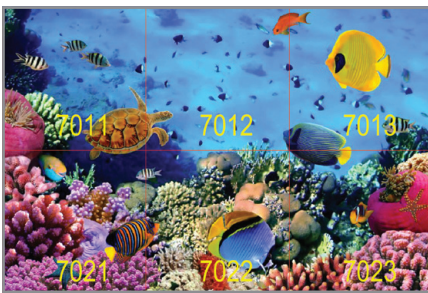
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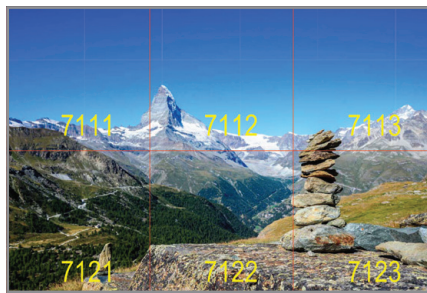
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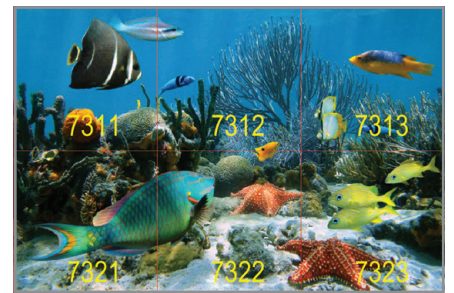
SKY 75



SKY 70



SKY 71



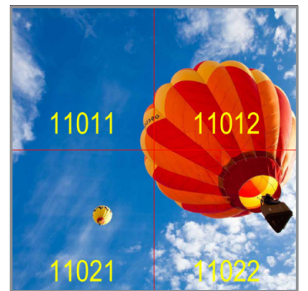
SKY 73



SKY 74



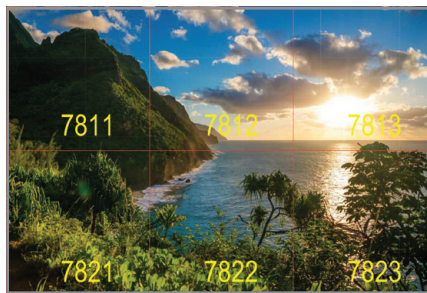
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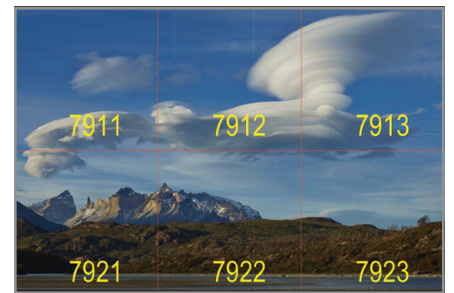
SKY 110



SKY 116



SKY 78



SKY 79

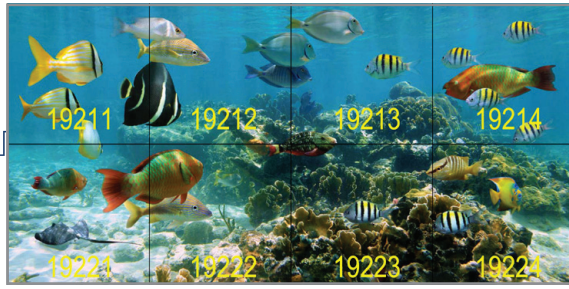


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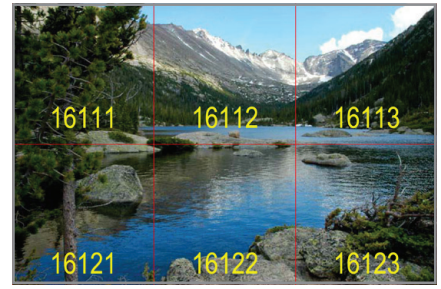


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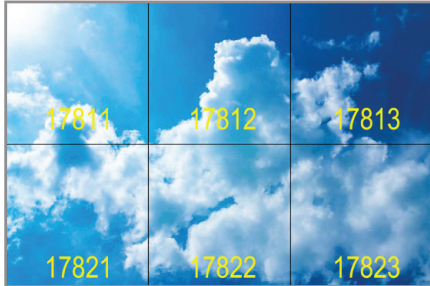
MODUS SKY



SKY 192



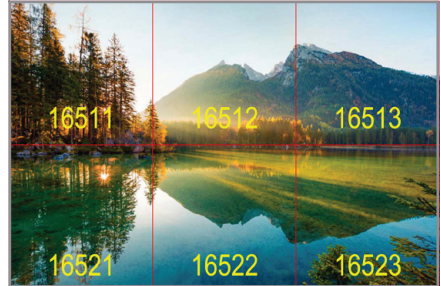
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SKY 178



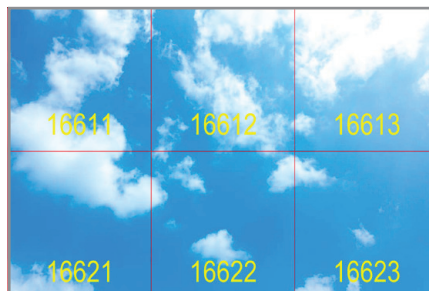
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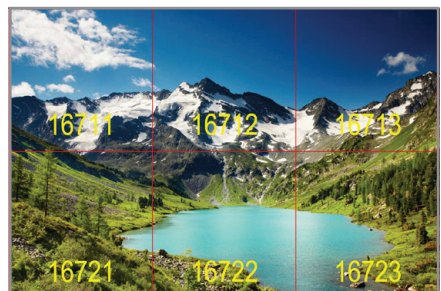
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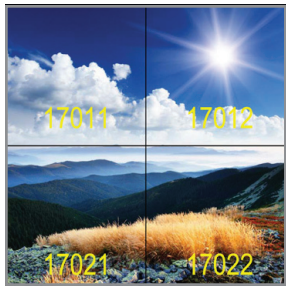
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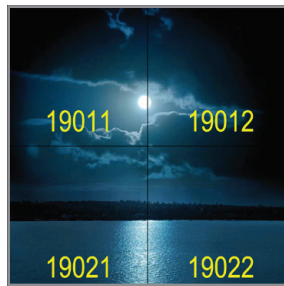
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SKY 167



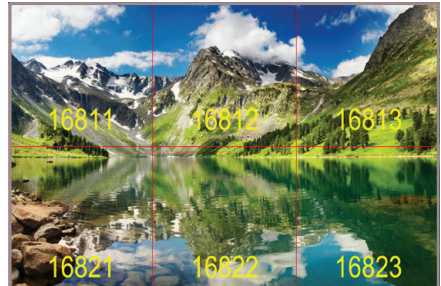
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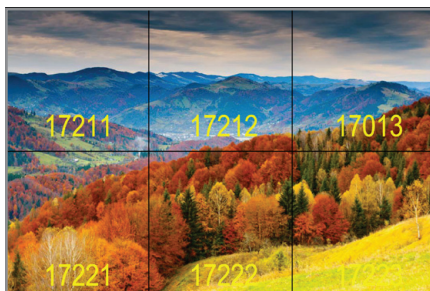
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SKY 176



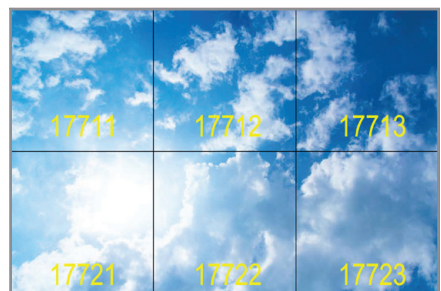
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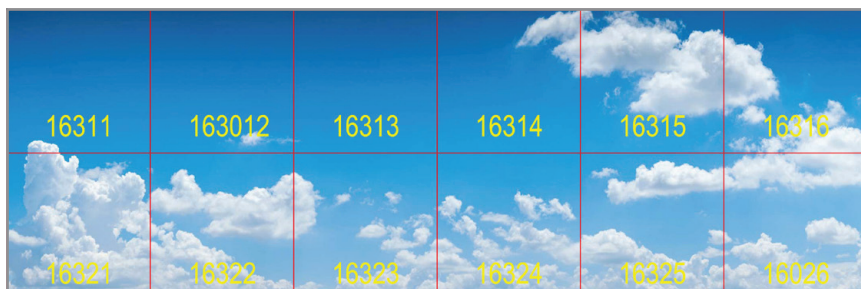
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SKY 175



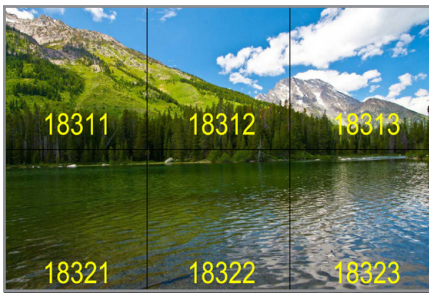
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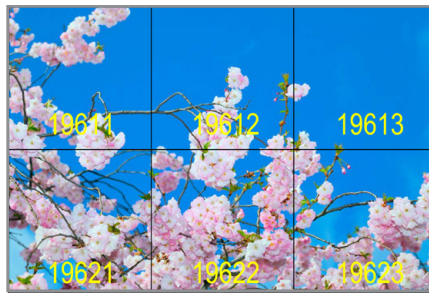
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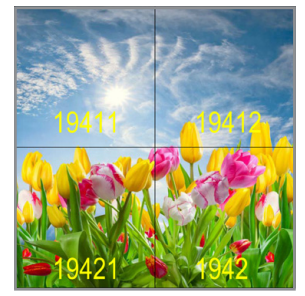
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SKY 183



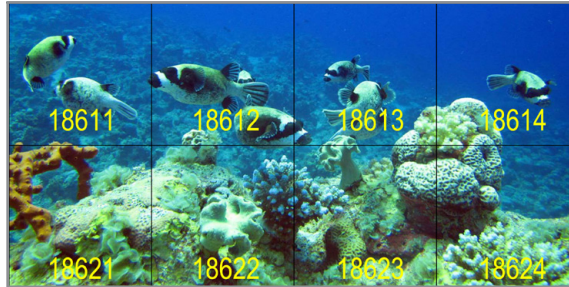
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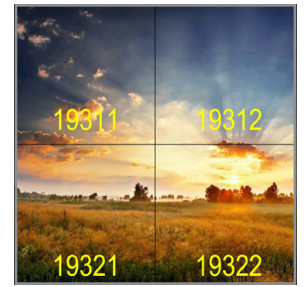
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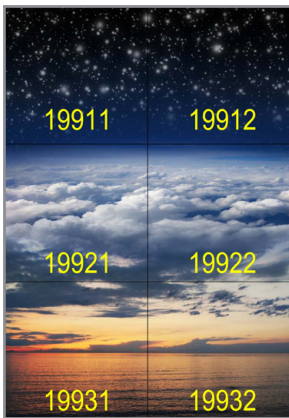
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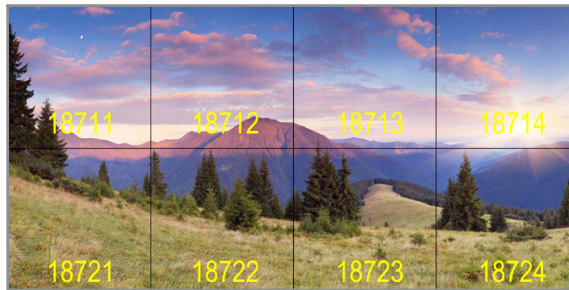
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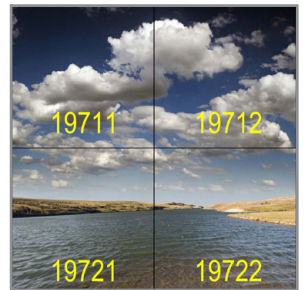
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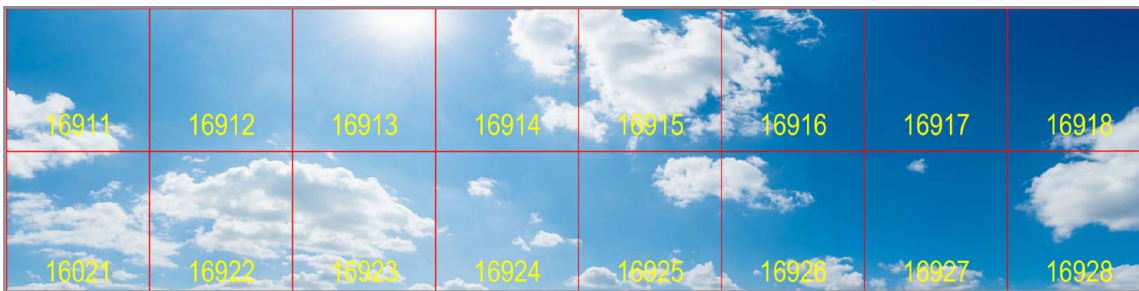
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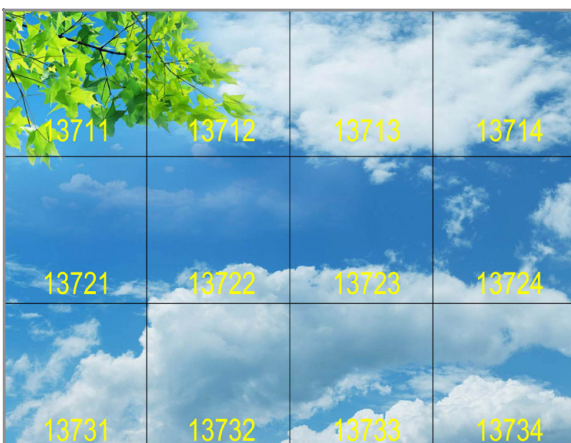
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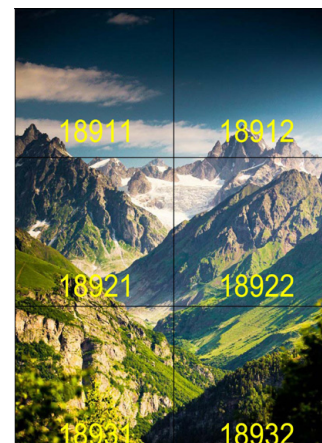
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SKY 169

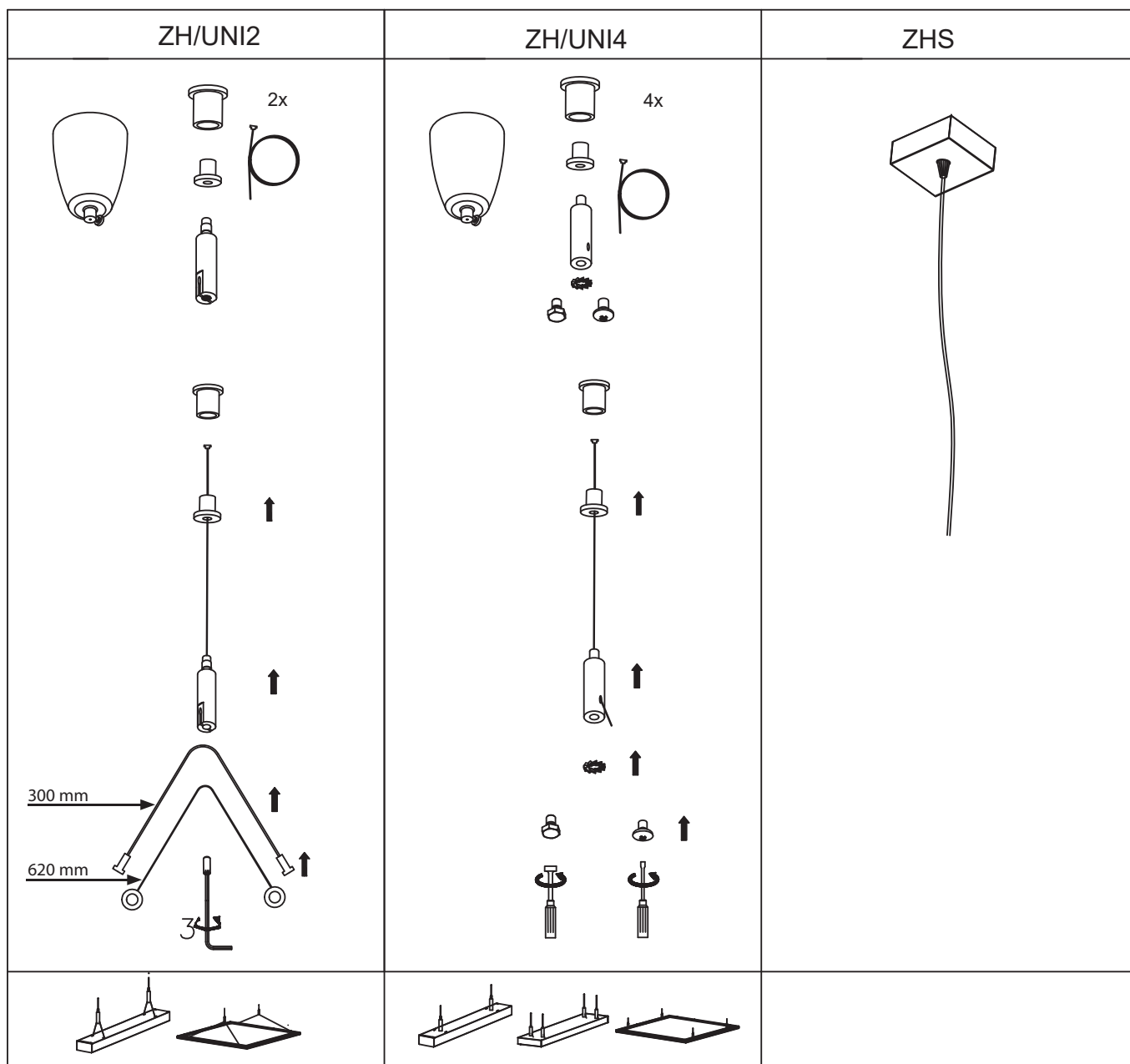


SKY 137



SKY 189

SUSPENSION SETS



ZH/UNI2 – universal 2-wires suspension

ZH/UNI4 – universal 4-wires suspension




































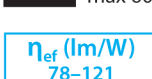













Transparent power cable (2m), incl. ceiling box with terminal
 ZHS3 - 3 x 0,75 mm
 ZHS5 - 5 x 0,75 mm

Lifetime of MODUS fittings*

LIFETIME (T _a 25°C)	L _{xx}	B _{yy}
100 000 h	L70	B50
80 000 h	L80	B50
50 000 h	L80	B10
30 000 h	L90	B10

*unless otherwise indicated

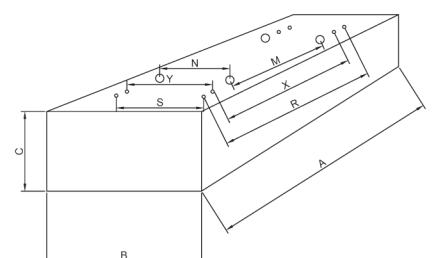
Legend

	Surface mounted fitting, direct		UGR Factor UGR <19		Energy efficiency class A+
	Suspension fitting, direct		Photobiological safety EN 62471 RG0		Lifetime 40000h L70B50
	Recessed light fitting		Protection rating IP 20		Lifetime 50000h L80B50
	Suspension light fitting		Protection rating IP 43		Lifetime 60000h L70B50
	Floor light fitting, full-area lighting		Protection rating IP 44		Lifetime 80000h L70B50
	LED source		Protection rating IP 65		Lifetime 80000h L80B50
	Voltage 230V - 50Hz		Impact protection IK08		Lifetime 100000h L70B50
	Dimmable electronic ballast		Impact protection IK09		Light fittings with limited surface temperature
	Insulation class I		Impact protection IK10		Tunable white
	Insulation class II		Sporthall light fitting		Ambient temperature max 45°C
	Insulation class III		Color rendering index 70		Ambient temperature max 60°C
	MacAdam3 binning		Luminaire for indoor use		Effectivity η_{ef} (lm/W) 78-121
	Kelvins		Tunable white		Tunable-white possibility
	Not dimmable - non-dimm		Analogue dimmable 1-10V		Digital dimmable DALI - DALI dimm
	Casambi bluetooth control		SMART luminaires		Sensor
	Internal emergency unit		External emergency unit		
	Electrical connection via connector		Change-able LED modul		

Drawing description

- A - length of body
- B - width of body
- C - height of body
- D - complementary length of body
- E - complementary width of body
- F - cable entry - X axis
- G - cable entry - Y axis
- X - distance of mounting holes (screws) - X axis
- Y - distance of mounting holes (screws) - Y axis
- R - distance of mounting holes (cord suspensions) - X axis
- S - distance of mounting holes (cord suspensions) - Y axis
- M - distance of mounting holes (tube suspensions) - X axis
- N - distance of mounting holes (tube suspensions) - Y axis

If necessary for assembly into a line, the indexes X1, Y1, R1, S1 are added.



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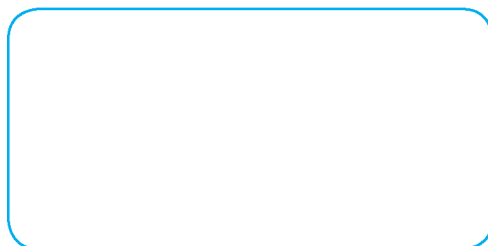
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