

LIGHTING INTO THE FUTURE




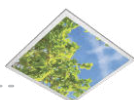


































LED
KATALOG
2015

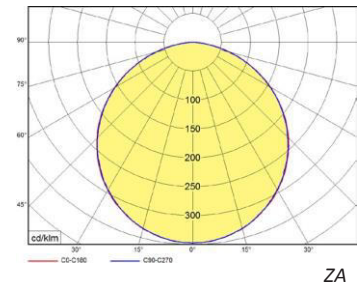
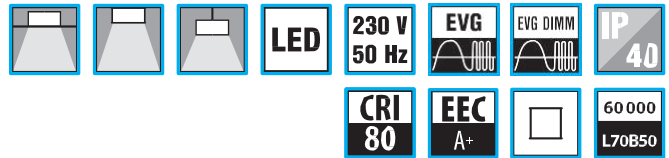


LED
Lights
Luxembourg

INHALT/ CONTENT

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Z



Edge-lit LED Panel

Gehäuse:
Eloxierter Aluminiumrahmen

Optik:
Hochlichtleitende Acrylscheibe

LED (&):
Mid Power LED
2... 2900K
3... 3800K
5... 5300K

LED Treiber:
ND - nicht dimmbar (Standard)
DIM - analog dimmbar 1-10V
DALI - digital dimmbar DALI

Version (Gehäuseform):
Z...A - Quadrat „600x600“
Z...B - Rechteck „600x300“
Z...C - Rechteck „1200x300“
Z...D - Rechteck „1200x600“
Z...E - Quadrat „300x300“
Z...F - Rechteck „1500x300“

Arten der Installation:
Z - Standardversion für den Deckeneinbau 600x600 (625x625mm) oder als Variante für die Pendelabhangung - (Pendelsatz muss separat bestellt werden)
Für den Einbau in Gipskartondecken ist das ZMSET (siehe Seite 4) zwingend erforderlich.
ZP - für den Universaleinbau (Pendelsatz muss separat bestellt werden)
ZS - Energiesparvariante des Z Panel

Edge-lit LED panel

Body:
Anodized aluminum frame

Optic:
High translucent acrylic desk

LED (&):
Mid Power LED
2... 2900K
3... 3800K
5... 5300K

LED driver:
ND - not dimmable (standard)
DIM - analogue dimmable 1-10V
DALI - digital dimmable DALI

Version (body shape):
Z...A - square „600x600“
Z...B - rectangle „600x300“
Z...C - rectangle „1200x300“
Z...D - rectangle „1200x600“
Z...E - square „300x300“
Z...F - rectangle „1500x300“

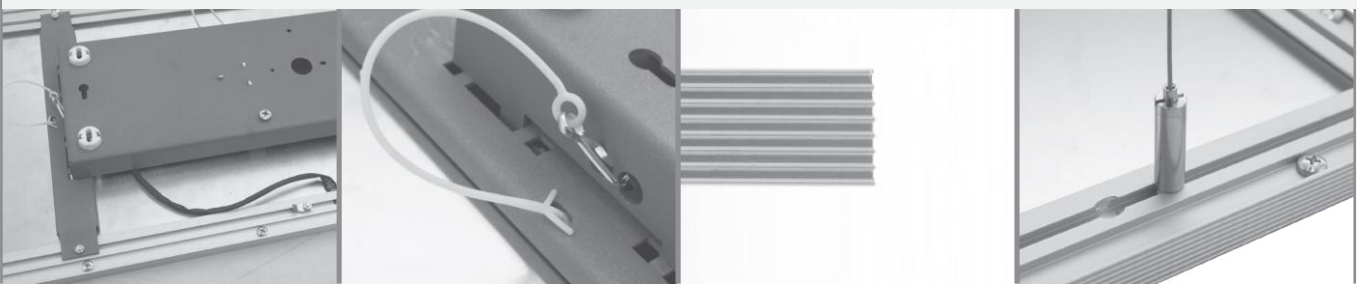
Installation way:
Z - standard version for installation into a ceiling 600x600 (625x625mm) or as pendant fitting - (hanging set needs to be ordered separately)
Special way of installation - surface mounting onto plasterboard ceiling - can be done with extra accessories ZMSET (see page 4)
ZP - fittings for surface installation or for pendant installation (hanging set needs to be ordered separately)
ZS - Energy saver modification of Z panel

AUFBAU INSTALLATIONSBOX / SURFACE INSTALLATION BOX

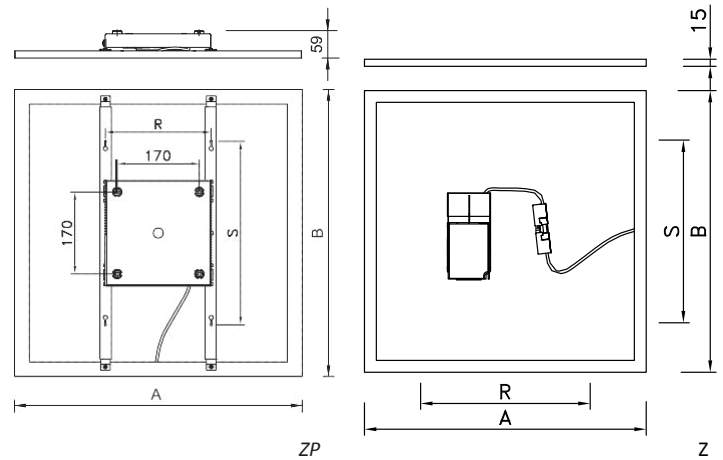
SICHERHEITSVORRICHTUNG / SAFETY HOLDER

LEUCHTENPROFIL / LUMINAIRE PROFILE

PENDELINSTALLATION / PENDANT INSTALLATION



Z	3	A	600	/700ND
Leuchtentyp / luminaire type: Z - Einlege- / Pendelinstallation / recessed - pendant fitting ZP - Aufbau - Einlege - Pendelinstallation / surface - recessed - pendant fitting ZS - Energiesparvariante / energy saver ZX - dynamischweiß, RGB / dynamic white, RGB	Farbtemperatur / color temperature: 2= 2900K 3= 3800K 5= 5300K	Gehäuseform / body shape: A - Quadrat / square - 600x600mm B - Rechteck / rectangle - 600x300mm C - Rechteck / rectangle - 1200x300mm D - Rechteck / rectangle - 1200x600mm E - Quadrat / square - 300x300mm F - Rechteck / rectangle - 1500x300mm	Modul / module: 600, 625	Treiber / drivertype: 350mA, 500mA, 700mA, 1050mA ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI



Z	W	lm	lm/W	Modul 600		Modul 625		R	S	kg
				A	B	A	B			
Z&A / 700	38	4000	105	596	596	622	622	550	300	4,5
Z&A / 1050	58	5500	95							
Z&B / 350	18	1600	89	1196	296	X	X	250	250	2,8
Z&C / 700	38	4000	105					500	250	4,6
Z&C / 1050	58	5500	95					900	300	9,0
Z&D / 1400	72	7200	100	1196	596	X	X	x	x	1,8
Z&D / 2100	118	9800	83							
Z&E / 250	10	900	90	296	296					

ZP	W	lm	lm/W	Modul 600		Modul 625		R	S	kg
				A	B	A	B			
ZP&A / 700	38	4000	105	596	596	622	622	220	380	4,7
ZP&A / 1050	58	5500	95							
ZP&B / 350	18	1600	89	1196	296	X	X	250	250	3,0
ZP&C / 700	38	4000	105					500	250	4,8
ZP&C / 1050	58	5500	95					900	380	9,2
ZP&D / 1400	72	7200	100	1196	596	X	X	500	380	9,2
ZP&D / 2100	118	9800	83							

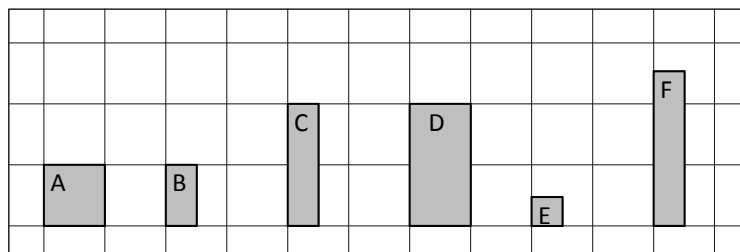
ZS	W	lm	lm/W	Modul 600		Modul 625		R	S	kg
				A	B	A	B			
ZS&A / 700	32	3400	106	596	596	622	622	550	300	4,5

&- 2=2900K, 3=3800K, 5=5300K

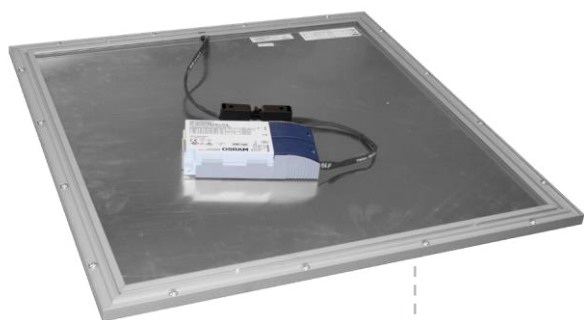
lm - Lumen / luminaire light output

R, S- Abstand der Abhängpunkte / distance of hanging points

Z



VARIANTEN von Z / SHAPES Z



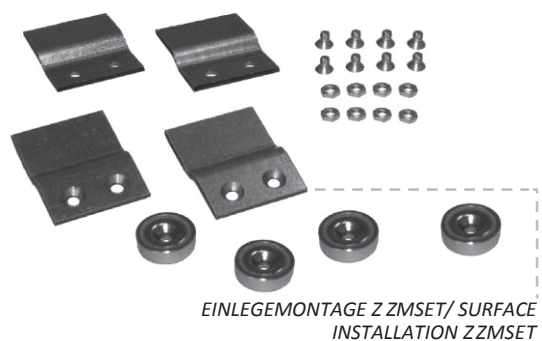
ZA - DRAUFSICHT MIT TREIBER / UPPER SIDE WITH DRIVER



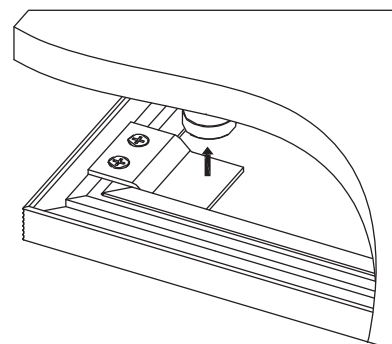
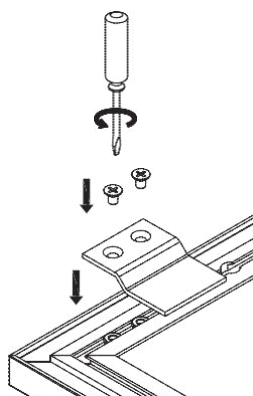
ZPA - DRAUFSICHT MIT TREIBERBOX / UPPER SIDE WITH DRIVER BOX

Z MSET

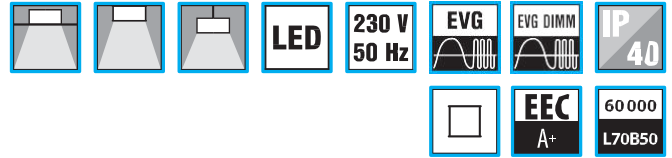
Einbausatz für die Montage von 3L Z Panels in Gipskartondecken / Set of magnetic holders for surface installation of 3L Z fittings onto a plasterboard ceiling.



EINLEGEMONTAGE Z ZMSET / SURFACE INSTALLATION ZMSET



Z WSP



LED Panel mit Motiv

Gehäuse:

Eloxiertes Aluminiumrahmen

Optik:

Hochlichtleitende Acrylscheibe mit Motiv

Bemerkung:

Z WSP Panel basieren auf den Standardausführungen des Z oder ZP Panel

LED panel with motif

Body:

Anodized aluminum frame

Optic:

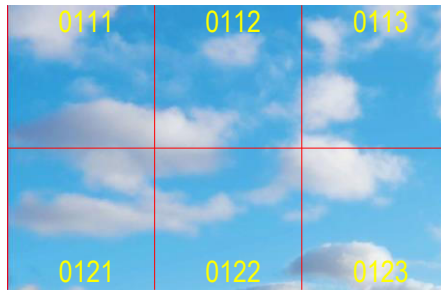
High translucent acrylic desk with motive

Note:

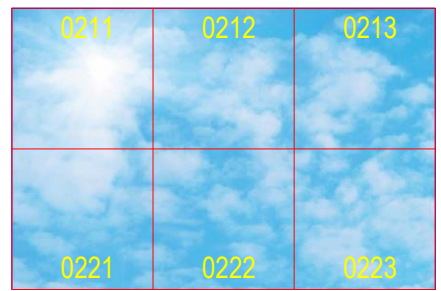
Z WSP panel are derived from standard Z or ZP panel



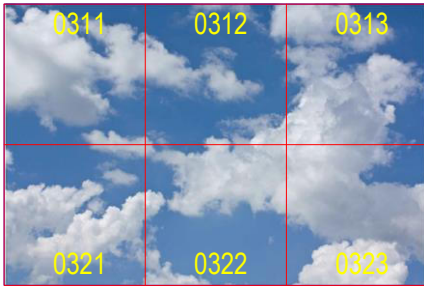
Z WSP



WSP 01



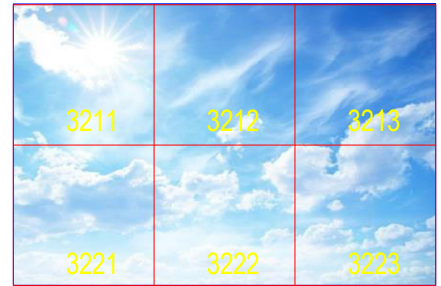
WSP 02



WSP 03



WSP 04



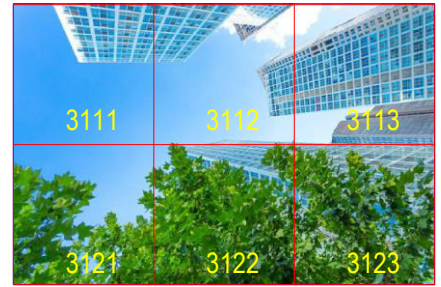
WSP 32



WSP 11



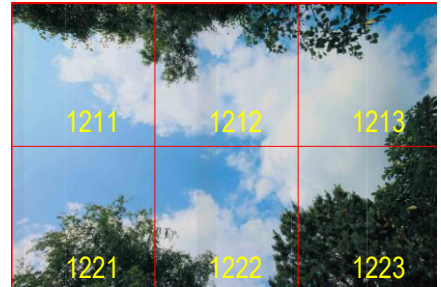
WSP 21



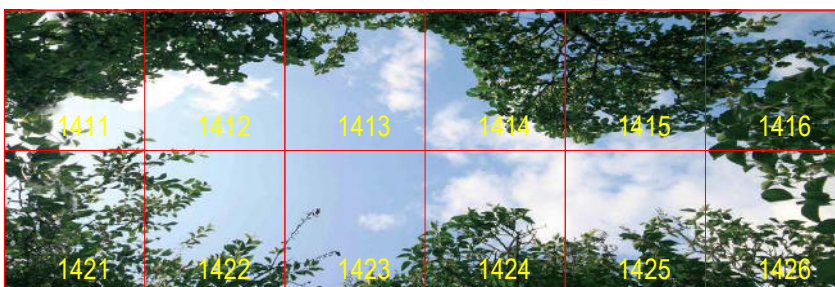
WSP 31



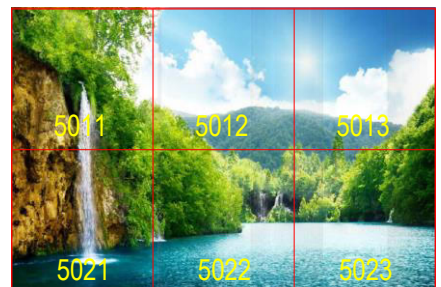
WSP 10



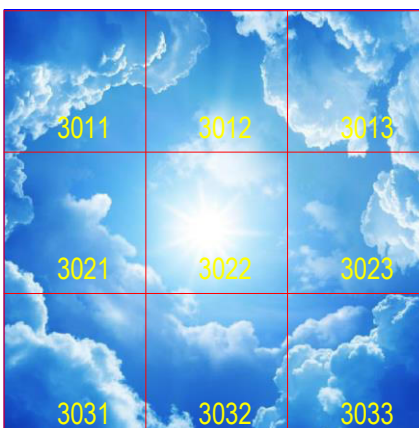
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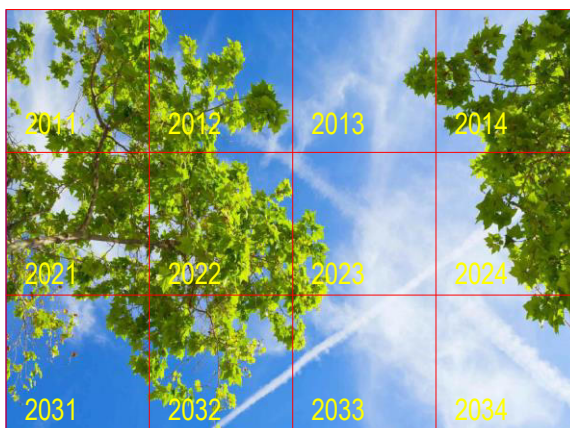
WSP 14



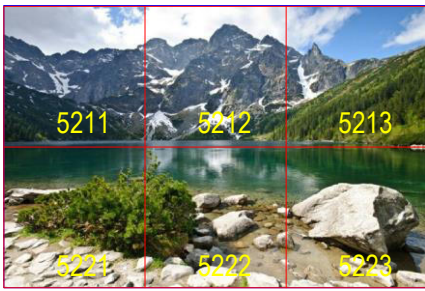
WSP 50



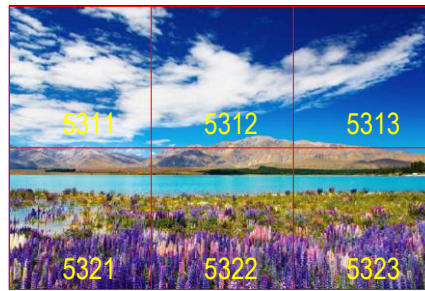
WSP 30



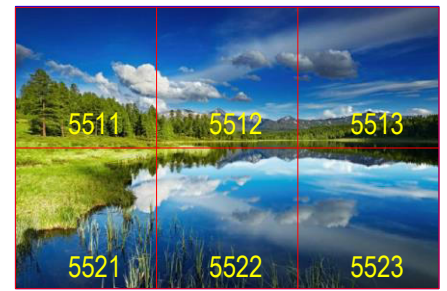
WSP 20



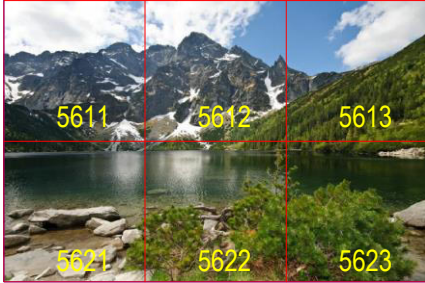
WSP 52



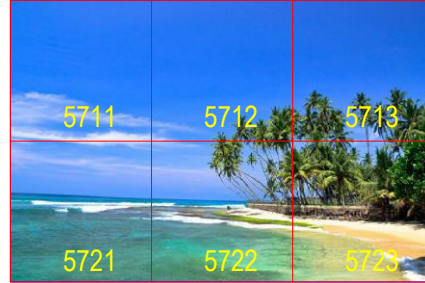
WSP 53



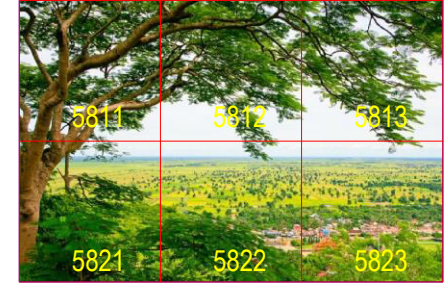
WSP 55



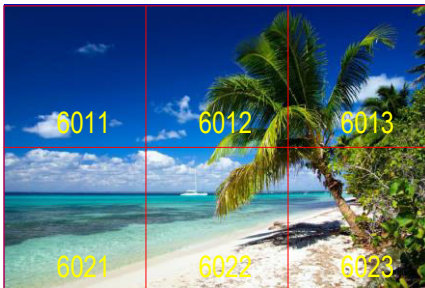
WSP 56



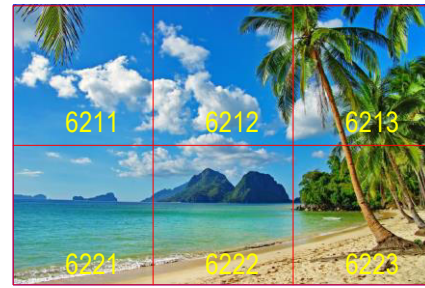
WSP 57



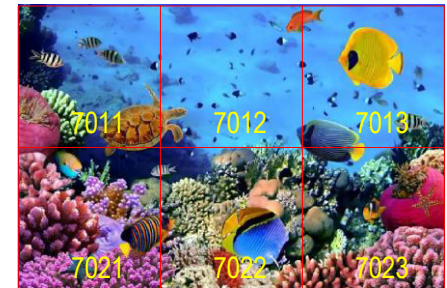
WSP 58



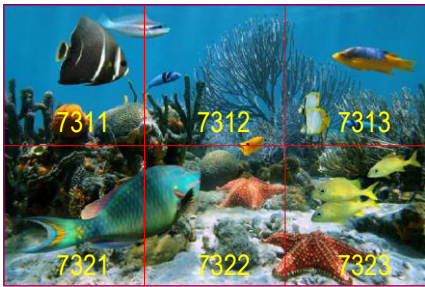
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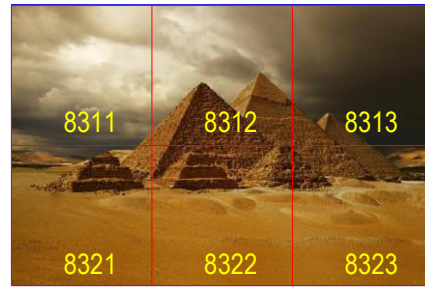
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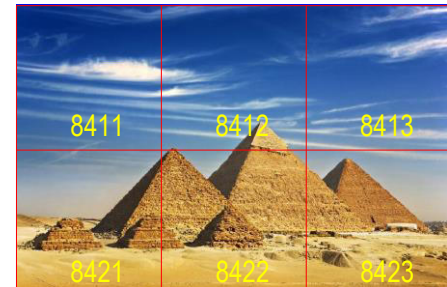
WSP 70



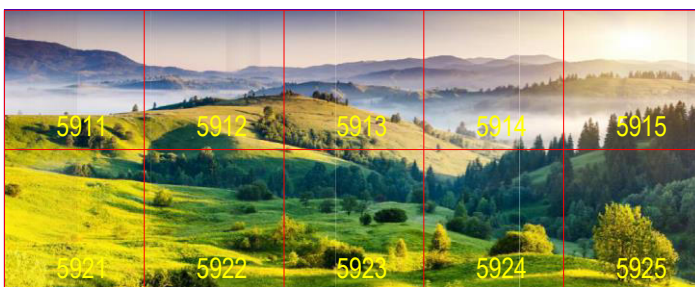
WSP 73



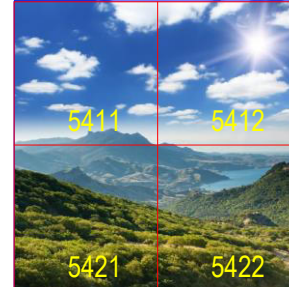
WSP 83



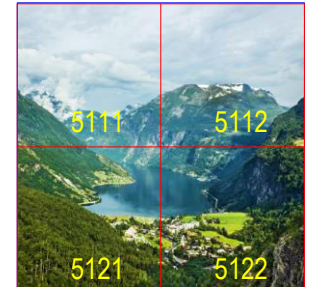
WSP 84



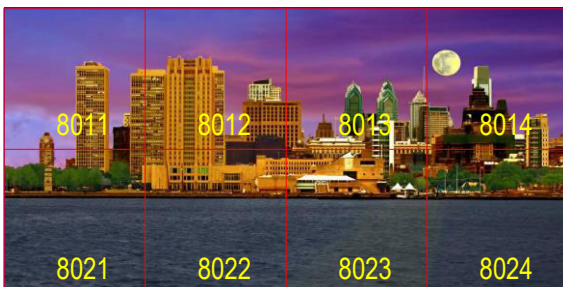
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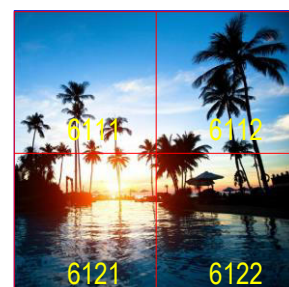
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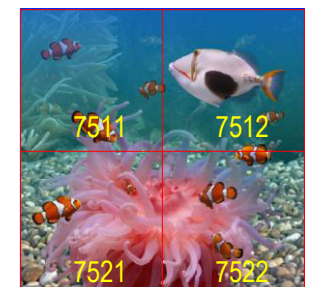
WSP 51



WSP 80



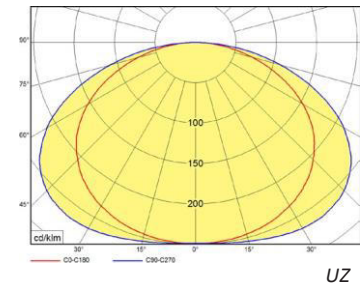
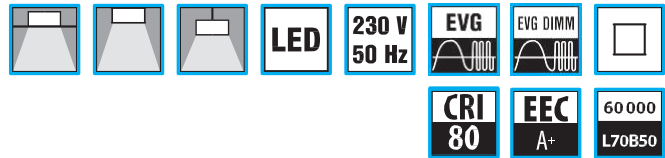
WSP 61



WSP 75



WSP 72



UZ

UZA

LED Panel

Gehäuse:

Weiß lackierter (RAL 9003) Aluminiumrahmen

Optik:

Lichtleitende Acrylscheibe

LED (&):

- Mid Power LED
- 3... warmweiß 3000K
- 4... neutralweiß 4000K
- 5... tageslichtweiß 5700K

Verschaltung:

- LED Konstantstromtreiber
- ND - nicht dimmbar (Standard)
- DIM - dimmbar 1-10V DC
- DALI - dimmbar DALI

Version (Gehäuseform)

- UZ... A600 - Quadrat für Rastermaß 600mmx600mm
- UZ... A625 - Quadrat für Rastermaß 625mmx625mm

Arten der Installation:

- Einlegevariante für eine modulare Decke 600mm oder 625mm
- Aufbauvariante mit Montagerahmen UZRAM

Zubehör:

- UZRAM600 - Rahmen zur Deckenanbaumontage von 3L UZ Panel, Modul 600
- UZRAM625 - Rahmen zur Deckenanbaumontage von 3L UZ Panel, Modul 625

LED panel

Body:

White painted (RAL 9003) aluminum frame

Optic:

Translucent acrylic desk

LED (&):

- Mid Power LED
- 3... warm white 3000K
- 4... neutral white 4000K
- 5... daylight 5700K

Wiring:

- LED current driver
- ND - not dimmable (standard)
- DIM - dimmable 1-10V DC
- DALI - dimmable DALI

Version (body shape)

- UZ... A600 - square for raster 600mmx600mm
- UZ... A625 - square for raster 625mmx625mm

Installation way:

- Recessed installation for modular ceiling 600mm or 625mm
- Surface installation using a mounting frame UZRAM

Accessories:

- UZRAM600 - Frame for surface installation 3L UZ, module 600
- UZRAM625 - Frame for surface installation 3L UZ, module 625

UZ PROFIL / UZ PROFILE

VERBINDER / CONNECTOR

UZ+UZRAM

UZ+UZRAM



Codes: UZ4A600/700ND

UZ 4 A 600 /700ND

Leuchtentyp / luminaire type

Farbtemperatur / color temperature:

- 3 = 3000K
- 4 = 4000K
- 5 = 5700K

Gehäuseform / body shape

Modul / module:

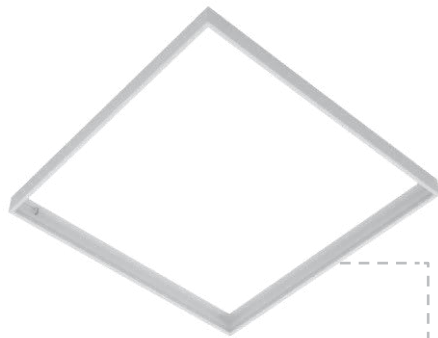
- 600
- 625

Treibertyp / driver type:

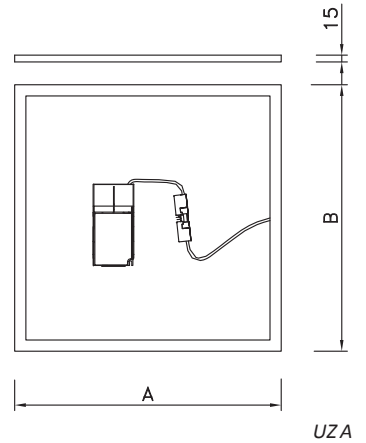
- ND - nicht dimmbar / not dimmable
- DIM - dimmbar 1-10V / dimmable 1-10V
- DALI - dimmbar DALI / dimmable DALI



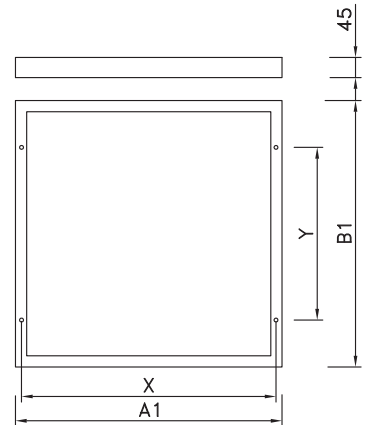
UZ + UZRAM



UZRAM



UZA



UZRAM

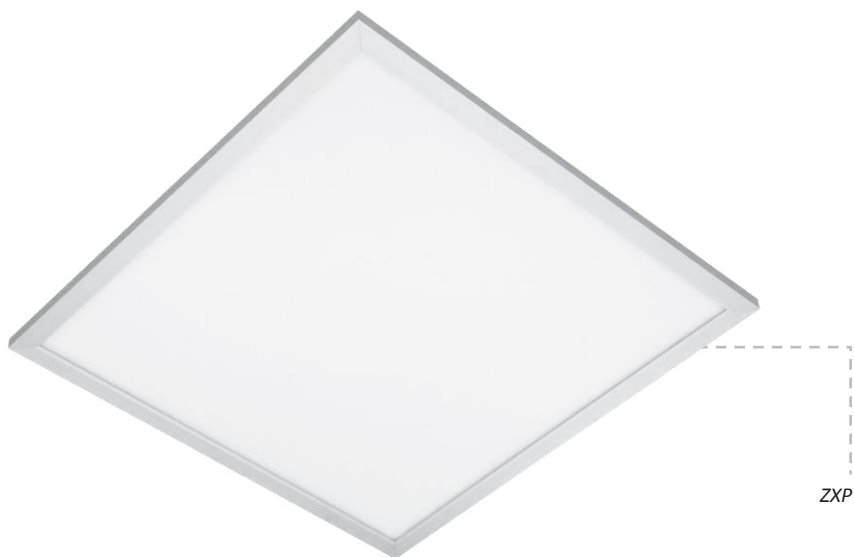
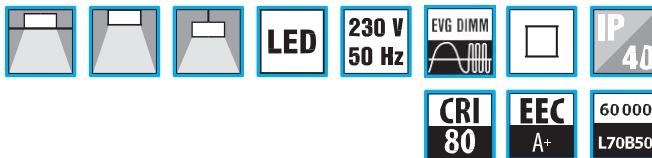
	A1	B1	X	Y
UZRAM600	602	602	582	450
UZRAM625	627	627	607	450

	W	lm	lm/W	600		625		kg
				A	B	A	B	
UZ&A /700	33	3700	112	596	596	622	622	4,2
UZ&A /1050	56	5800	104					

& - 3 = 3000K, 4 = 4000K, 5 = 5700K

lm - Lumen / luminaire light output

ZXP MIX



LED Panel

Gehäuse:

Eloxierter Aluminiumrahmen

Optik:

Hochlichtleitende Arcylscheibe

LED:

MIX... 2700K - 6500K

RGB... RGB

RGBW... RGB + weiß

Verschaltung:

LED Konstantstromtreiber, DALI dimmbar

Anwendung:

Pendel- / Aufbau- / Einlegevariante

Zubehör:

Abhängeset

Version:

ZXPA... Rechteck 600x600mm

ZXP MIX

Farbtemperatur von 2700K bis 6500K

Benutzerdefiniertes Anpassen der Farbtemperatur

Lichtsteuerung via DALI.

LED panel

Body:

Anodized aluminum frame

Optic:

Highly translucent acrylic desk

LED:

MIX... 2700K - 6500K

RGB... RGB

RGBW... RGB + white

Wiring:

LED current driver, DALI dimmable

Application:

Pendant / surface / recessed installation

Accessories:

Rope suspension set

Version:

ZXPA... square 600x600mm

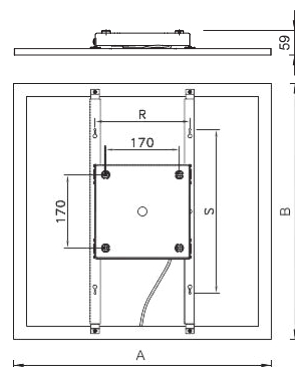
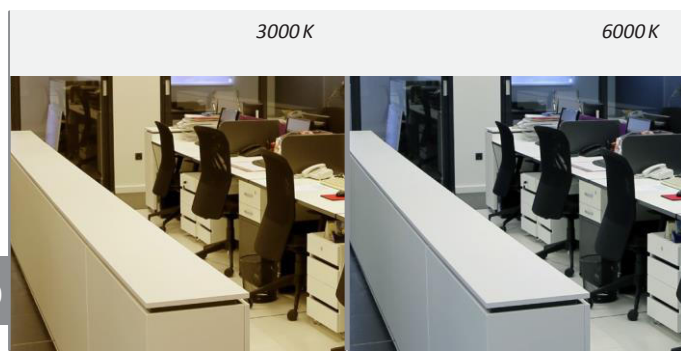
ZXP MIX

Color temperature from 2700K to 6500K

It allows to customize the color of the artificial light

Light control via DALI.

MIX	W	lm	A	B	R	S	Kg
ZXPA600MIXW/1400DALI	49	4200	596	596	220	380	5,9
ZXPA625MIXW/1400DALI	49	4200	622	622			



DYNAREG

LED Panels 3L Z mit einstellbarer weißer Farbtemperatur 2700 - 6500K

Lightstrom bis zu 4200lm

Leistungsaufnahme max. 49W

Die Leuchte ist ausgestattet mit einem DALI-Netzgerät mit 2 Kanälen für die Farbsteuerung.

LED panels 3L Z with optional color of white light 2700 - 6500K

Light output up to 4200lm

Power consumption max 49W

Panel + DALI driver with 2 channels for color control

DynaREG COMFORT

Steuerung mit dem vorprogrammierten 7-Tasten-Panel HELVAR 135.

Tastenbelegung des Steuerpanels:

- 1 - 2700K / 2100lm / 27W
- 2 - 3500K / 2100lm / 27W (max. 4200lm / 49W / 4000K)
- 3 - 4500K / 2100lm / 27W (max. 4200lm / 49W / 4000K)
- 4 - 6500K / 2100lm / 27W
- 5 + 6 - Leuchtintensität
- 7 - aus

Bis zu 20 Leuchten können mit einem Controller verbunden werden.

Das Steuerungsset DynaREG COMFORT beinhaltet ein vorprogrammiertes 7-Tasten-Panel, einen Panelrahmen und ein DALI-Netzgerät (für den Einbau in die Leuchte)

DynaREG COMFORT

Controlling with programmed 7-button panel HELVAR 135

Settings of the control panel buttons:

- 1 - 2700K / 2100lm / 27W
- 2 - 3500K / 2100lm / 27W (max. 4200lm / 49W / 4000K)
- 3 - 4500K / 2100lm / 27W (max. 4200lm / 49W / 4000K)
- 4 - 6500K / 2100lm / 27W
- 5 + 6 - light intensity
- 7 - off

Up to 20 luminaires connected to one controller

Control set DynaREG COMFORT contains preprogrammed 7-button panel, a panel frame and DALI power supply (for placement in a luminaire).



DYNAREGCOMFORT

DynaREGTOP

3L DynaREG TOP

Die Steuerung erfolgt mit dem 7-Tasten-Panel HELVAR 135 + DALI Router

Tastenbelegung des Steuerpanels:

- 1 - Automatische Änderung der Lichtfarbe entsprechend der Tageszeit
- 2 - Manuelle Einstellung der warmweißen Lichtfarbe
- 3 - Manuelle Einstellung der kaltweißen Lichtfarbe
- 4 - Speichern und Abrufen der persönlichen Lichtfarbe
- 5 + 6 - Leuchtintensität
- 7 - aus

Bis zu 30 Leuchten können mit einem Controller verbunden werden.

Das Steuerungsset beinhaltet ein vorprogrammiertes 7-Tasten-Panel, einen Panelrahmen und einen DALI-Router für die Montage auf eine DIN-Leiste in einer Schaltanlage
Verfügbar in Schwarz oder Weiß

3L DynaREG TOP

Controlling with programmed 7-button panel HELVAR 135 + DALI router

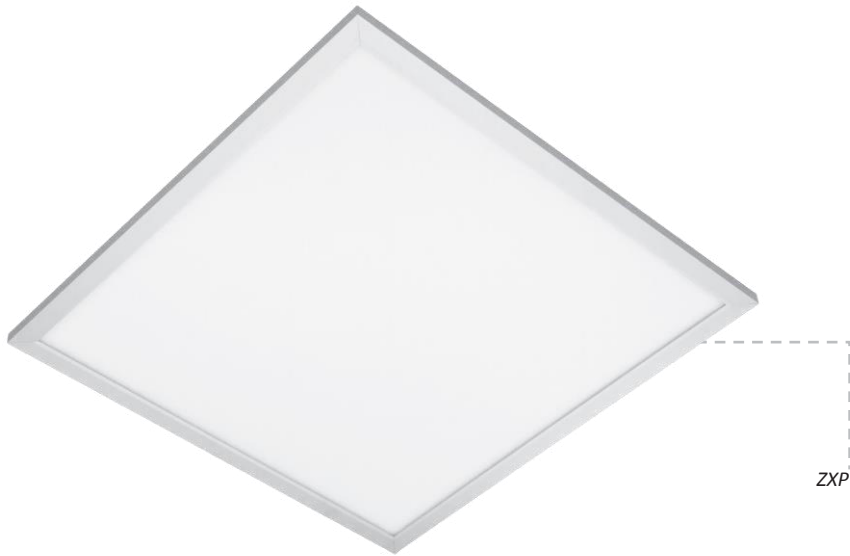
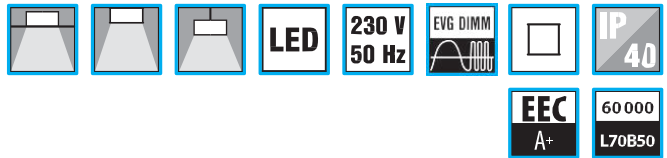
Settings of the control panel buttons

- 1 - Automatic change of the color temperature according to the time of day
- 2 - Manual settings of warm white
- 3 - Manual settings of cold white
- 4 - Saving and recall of custom light temperature
- 5 + 6 - Light intensity
- 7 - off

Up to 30 luminaires connected to one controller.

Control set contains DynaREG TOP programmed 7-button panel, a panel frame and DALI router (for mounting on DIN rail).
Black or white available

ZXP RGBW



ZXP RGBW - LED RGB Panel

Gehäuse:

Eloxierter Aluminiumrahmen

Optik:

Hochlichtleitende Acrylscheibe

LED:

Mid Power LED 4000K
RGB OSRAM CERAMOS

Verschaltung:

LED Konstantstromtreiber, DALI dimmbar

Versionen:

ZXPA600...Rechteck 600x600mm
ZXPA625...Rechteck 625x625mm

Anwendung:

Pendel- / Aufbau- / Einbauvariante

Zubehör:

Abhängeset

ZXP RGBW - LED RGB panel

Body:

Anodized aluminum frame

Optic:

High translucent acrylic desk

LED:

Mid Power LED 4000K
RGB OSRAM CERAMOS

Wiring:

LED current driver, DALI dimmable

Versions:

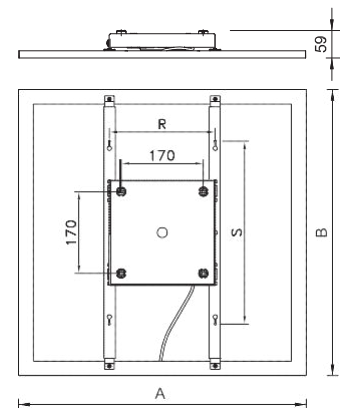
ZXPA600...square 600x600mm
ZXPA625...square 625x625mm

Application:

Pendant / surface / recessed installation

Accessories:

Rope suspension set



RGBW	W*	lm	A	B	R	S	Kg
ZXPA600RGBW/1400DALI	36	3200	596	596	220	380	5,9
ZXPA625RGBW/1400DALI	36	3200	622	622			

*Weißlicht / white light

LED Panel 3L ZXP mit einstellbarer Lichtfarbe RGBW

- Lichtstrom bis zu 3200lm / 4000K
- Die Leuchte ist ausgestattet mit einem DALI-Netzgerät mit 4 Kanälen für die Farbsteuerung

DynaREGRGBW

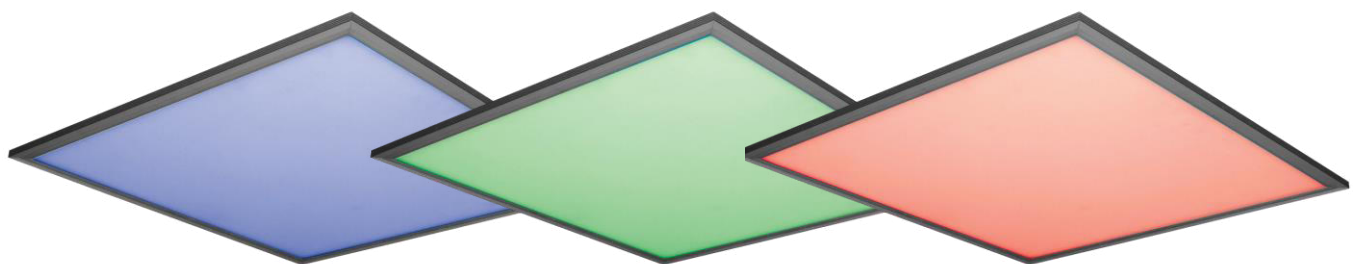
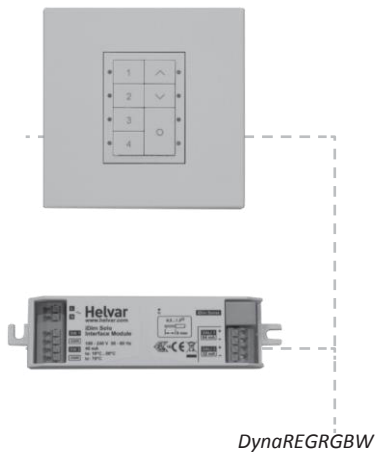
- Steuerset der 3L ZXP RGBW Panel
- Steuerung mit dem 7-Tasten-Panel HELVAR 135
- Tastenbelegung des Steuerpanel:
 - 1 - rot
 - 2 - grün
 - 3 - blau
 - 4 - Wunschfarbe
 - 5 + 6 - Weißlicht 3200lm / 36W / 4000 K
 - 7 - aus
- Bis zu 16 Leuchten können mit einem Controller verbunden werden
- Das Steuerungset DynaREGRGBW beinhaltet ein vorprogrammiertes 7-Tasten-Panel, einen Panelrahmen und einen DALI- Power Supply

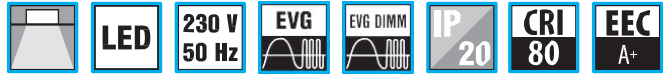
LED panel 3L ZXP with optional light color RGBW

- Light output up to 3200lm / 4000K
- Panel + DALI driver with 4 channels for color control

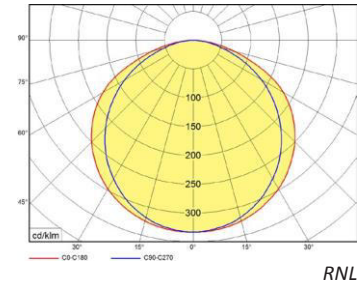
DynaREGRGBW

- control set of 3L ZXP RGBW panels
- Controlling with programmed 7-button panel HELVAR 135
- Settings of the control panel buttons:
 - 1 - red
 - 2 - green
 - 3 - blue
 - 4 - custom color
 - 5 + 6 - white light 3200lm / 36W / 4000 K
 - 7 - off
- Up to 16 luminaires connected to one controller
- Control set DynaREGRGBW contains preprogrammed 7-button panel, a panel frame and DALI power supply





50000
L70B50



RNL

RNLA1

LED Einbauleuchten (indirekte Beleuchtung)

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

Weiß lackierte Reflektoren

LED:

Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:

LED Treiber (Konstantstrom)
ND - nicht dimmbar (Standard)
DIM - analog dimmbar 1-10V
DALI - digital dimmbar DALI

Anwendung:

Einlegevariante für den Deckeneinbau (600x600mm oder 625x625mm Module)

Zubehör:

Halteklammern für den Deckeneinbau

Version:

K - mit WIELAND-Verbinder
F - mit flexiblem Kabel

Recessed indirect LED fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

White painted reflectors

LED:

Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:

LED driver (constant current)
ND - not dimmable (standard)
DIM - analogue dimmable 1-10V
DALI - digital dimmable DALI

Application:

Recessed installation (600x600mm or 625x625mm modules)

Accessories:

Fixing clips for recessed installation

Versions:

K - with WIELAND connector
F - with flexible cord

LOCHBLECHABDECKUNG /
PERFORATED COVER

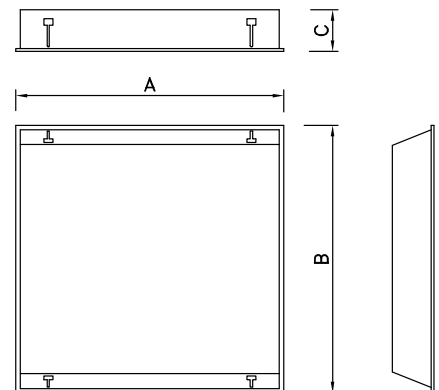
LED MODULE AUF DER KÜHLPLATTE /
LED MODULES ON COOLING PLATE

LOCHBLECHHALTERUNG / COVER
HOLDER

ISO3 KLEMMBLOCK / ISO3
CONNECTOR



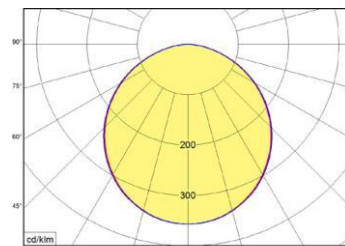
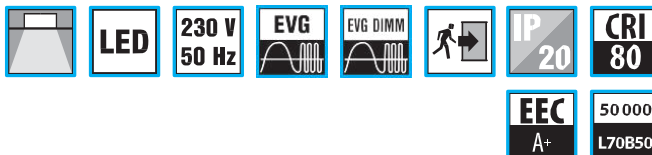
RNL	A	1	C	3	V1	600	/700ND	ISO3
Leuchtentyp / luminaire type	Gehäuseform / body shape: A = Rechteck / square - 600x600mm	Anzahl der Abdeckungen/ no. of covers	Abdeckung / cover type: C = perforiert / perforated	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Rastermodul / raster module	Treibertyp / driver type: 700mA, 1050mA ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI	Anschlussklemme / terminal board: ISO - Außenklemme ISODOM 3-polig / external terminal ISODOM 3 poles, F - flexible Kabellleitung / flexo, K - Verbinder / connector



	W	lm	lm/W	Modul 600			Modul 625			c	kg
				A	B		A	B			
RNLA1C& /700	38	2600	68	596	596	576x576	622	622	602x602	97	5,0
RNLA1C& /1050	56	3400	61								

&-3=3000K,4=4000K

lm - Lumen / luminaire light output



RD2KOY

RDRA2KO

LED Einbauleuchten

Gehäuse:

Pulverbeschichtetes, verzinktes Stahlblech in Weiß (RAL 9003)

Optik (&):

KO - Opalabdeckung
 KN - prismatische Abdeckung
 KOY - Opalabdeckung perforiert
 KNY - prismatische Abdeckung perforiert

LED:

Mid Power LED
 3... warmweiß 3000K
 4... neutralweiß 4000K

Verschaltung:

LED Treiber (Konstantstrom)
 ND - nicht dimmbar (Standard)
 DIM - analog dimmbar 1-10V
 DALI - digital dimmbar DALI

Anwendung:

RDR - Einlegevariante für Rasterdecken (600x600mm oder 625x625mm Module)
 Die Leuchte kann nicht geöffnet werden - Notlichtmodul nicht verfügbar.
 RDS - Einbauvariante für die Installation in falschen Decken (600x600 mm oder 625x625 mm Module).

Zubehör:

Befestigungsklammern für die Installation in falschen Decken

Versionen:

600 - für 600 mm Modul
 625 - für 625 mm Modul
 K - mit WIELAND Verbinder
 F - mit flexiblem Kabel
 N - Notlichtmodul - nur RDS

Recessed LED fittings

Body:

White painted (RAL 9003) galvanized metal sheet

Optic (&):

KO - opal cover
 KN - prismatic cover
 KOY - opal cover perforated
 KNY - prismatic cover perforated

LED:

Mid Power LED
 3... warm white 3000K
 4... neutral white 4000K

Wiring:

LED driver (constant current)
 ND - not dimmable (standard)
 DIM - analogue dimmable 1-10V
 DALI - digital dimmable DALI

Application:

RDR - Recessed installation for grid ceiling (600x600mm or 625x625mm modules)
 The fixture can't be opened - emergency module not available
 RDS - Recessed installation for false ceiling (600x600mm or 625x625mm modules)

Accessories:

Mounting brackets for the installation into false ceiling

Versions:

600 - for 600 mm module
 625 - for 625 mm module
 K - with WIELAND connector
 F - with flexible cord
 N - emergency pack - only RDS

LOCHBLECH UND OPAL ADBECKUNG /
 PERFORATION AND OPAL COVER

PRISMATISCHE ABDECKUNG /
 PRISMATIC COVER

LOCHBLECH / PERFORATION

REFLEKTOR INNEN / INNER
 REFLECTOR



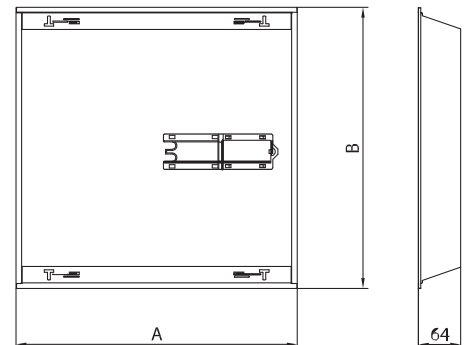
RD	R	A	2	KO	3	V1	ND	600	/700	ISO3
Leuchtentyp / luminaire type										
Versionen nach Deckentyp / versions according to ceiling type: R - Rasterdecken / modular raster S - falsche Decken / false ceiling										
Gehäuseform / body shape: A - Quadrat / square - 600x600mm										
Anzahl Leuchtstreifen / no. of light strips										
Abdeckung / cover type: KO - opal / opal KN - prism. Abdeckung / prismatic cover KOY - opal perforiert / opal perforated KNY - prism. Abdeckung perforiert / prismatic cover perforated										
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K										
Verbaute LEDs / used LEDs										
Treibertyp / drivertype: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI										
Modul / module : 600, 625										
Treiber / driver: 350mA, 500mA, 700mA, 1050mA										
Anschlussklemme / terminalboard: ISO - Außenklemme ISODOM 3 - polig / external terminal ISODOM 3 poles, F - flexibles Kabel / flexo, K - Verbinder / connector										



RDRA2KO



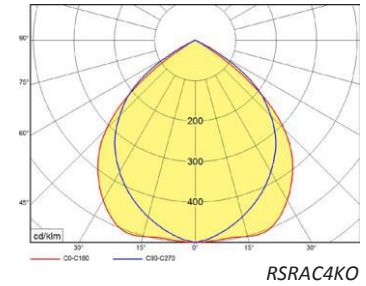
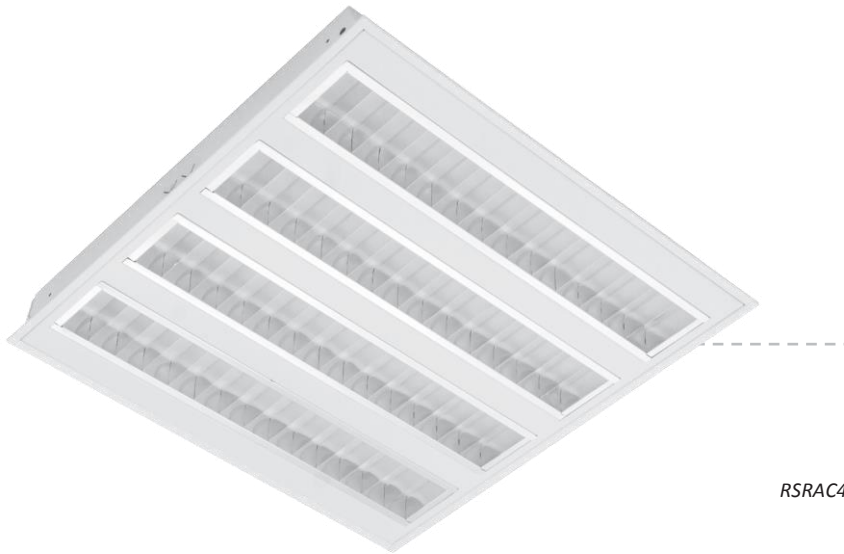
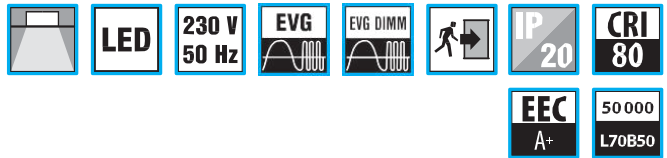
RDRA5KOY



	W	lm	lm/W	Modul600			Modul625		
				A	B		A	B	
RDR									
RDRA2KO&/700	36	3400	94	596	596	X	622	622	X
RDRA2KN&/700	36	3800	106						
RDRA2KOY&/700	36	3200	89						
RDRA2KNY&/700	36	3500	97						
RDRA2KO&/1050	56	4600	82						
RDRA2KN&/1050	56	5000	89						
RDRA2KOY&/1050	56	4400	79						
RDRA2KNY&/1050	56	4700	84						
RDRA5KOY&/1400	33	3000	91						
RDS									
RDSA2KO&/700	36	3400	94	596	596	576x576	622	622	602x602
RDSA2KN&/700	36	3800	106						
RDSA2KOY&/700	36	3200	89						
RDSA2KNY&/700	36	3500	97						
RDSA2KO&/1050	56	4600	82						
RDSA2KN&/1050	56	5000	89						
RDSA2KOY&/1050	56	4400	79						
RDSA2KNY&/1050	56	4700	84						
RDSA5KOY&/1400	33	3000	91						

& -3=3000K, 4=4000K

lm - Lumen / luminaire light output



LED Einbaurasterleuchten

Body:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KO - Aluminiumspiegelraster mit Opaldiffusor
KOM - Aluminiumraster matt mit Opaldiffusor

LED:

Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber
ND - nicht dimmbar (Standard)
DIM - dimmbar 1-10V DC
DALI - dimmbar DALI

Anwendung:

RSR - Einlegevariante für Rasterdecken (600x600mm oder 625x625mm Module)
RSS - Einbauvariante für die Installation in falschen Decken (600x600mm oder 625x625 mm Module)

Zubehör:

Befestigungsklammern für die Installation in falschen Decken

Versionen:

600 - für 600 mm Modul
625 - für 625 mm Modul
K - mit WIELAND Verbinder
F - mit flexiblem Kabel
NZ - Notlichtmodul - nur ISS Version

Recessed LED fittings with optic system

Body:

White painted (RAL 9003) metal sheet

Optik:

KO - parabolic aluminum reflector
KOM - parabolic aluminum reflector mat

LED:

Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:

LED current driver
ND - not dimmable (standard)
DIM - dimmable 1-10V DC
DALI - dimmable DALI

Application:

RSR - Recessed installation for grid ceiling (600x600mm or 625x625mm modules)
RSS - Recessed installation for false ceiling (600x600mm or 625x625mm modules)

Accessories:

Mounting brackets for installation into false ceiling

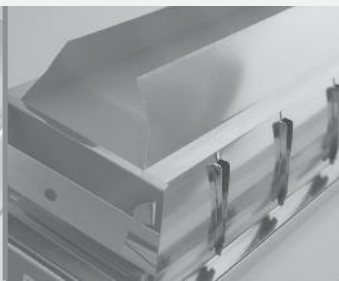
Versions:

600 - for 600 module
625 - for 625 module
K - with WIELAND connector
F - with flexible cord
NZ - Emergency module - only ISS version

DETAILANSICHT RASTER / REFLECTOR
DETAIL



DETAILANSICHT RASTER / REFLECTOR
DETAIL



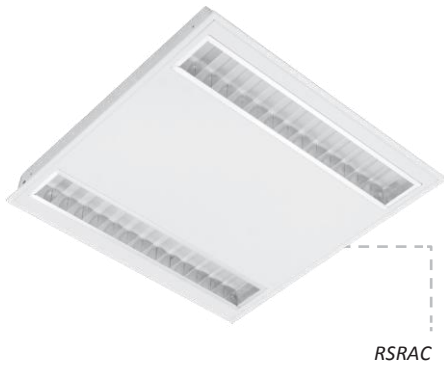
GESCHLOSSENES GEHÄUSE /
CLOSED BODY



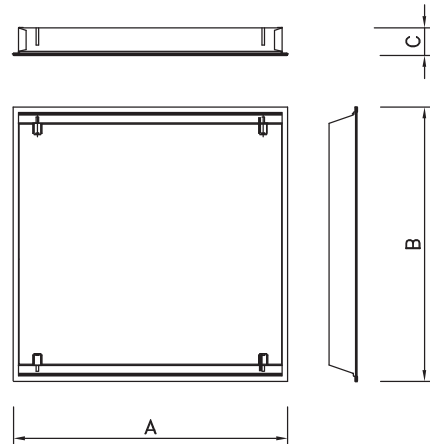
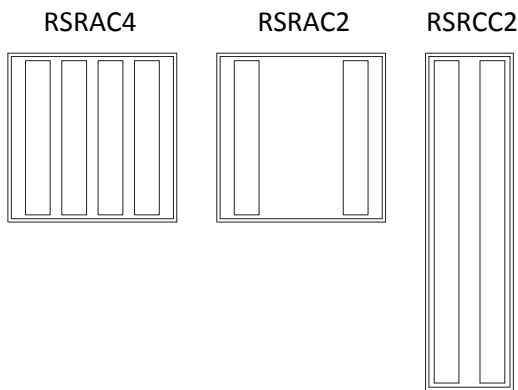
ISO3 KLEMMBLOCK / ISO3
CONNECTOR



RS	R	A	C4	KO	3	V1	60	/ND	1400	I3
Leuchtentyp / luminaire type	Versionen nach Deckentyp / versions according to ceiling type: R - Rasterdecken / modular raster S - falsche Decken / false ceiling	Gehäuseform / body shape: A - Quadrat / square - 600x600mm C - Rechteck / rectangle - 1200x300mm	Anzahl Leuchtstreifen - Konfig. C / Nr of light strips - config. C	Abdeckung / cover type: KO - Opal + Raster ALDP / opal + louvre ALDP KOM - Opal + Raster MATDP / opal + louvre MATDP	Farbtemperatur / color temperature 3=3000K 4=4000K	Verbaute LEDs / used LEDs	Rastermodul / raster module: 60 = 600 mm 62 = 625 mm	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI	Treiber / Driver: 1400mA, 1050mA	Anschlussklemme / terminal board: ISO - Außenklemme ISODOM 3-polig / external terminal ISODOM 3 poles, F - flexibles Kabel / flexo, K - Verbinder / connector



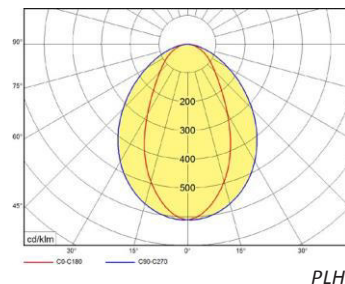
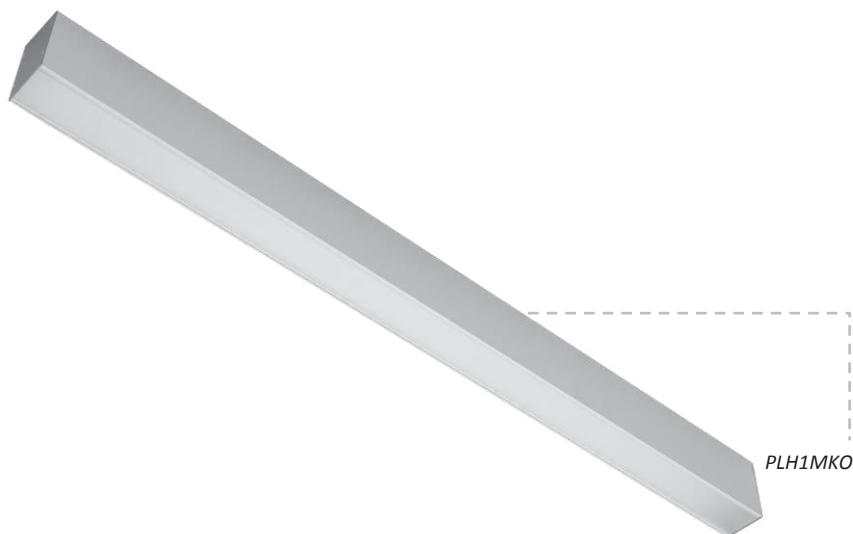
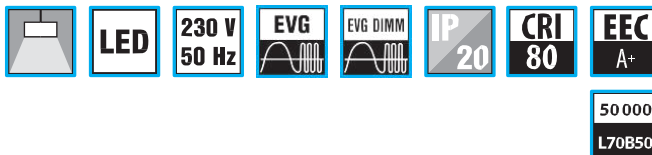
RSRAC



RS	W	lm	lm/W	Modul 600			Modul 625			C
				A	B		A	B		
RSRAC2KO&V1/700	35	2600	74	596	596	x	622	622	x	60
RSRAC2KO&V1/1050	50	3600	72							
RSRAC4KO&V1/1050	30	2400	80							
RSRAC4KO&V1/1400	42	3200	76							
RSRCC2KO&V1/1050	30	2400	80	1196	296		1246	622		
RSRCC2KO&V1/1400	42	3200	76							
RSSAC2KO&V1/700	35	2600	74	596	596	576x576	622	622	602x602	
RSSAC2KO&V1/1050	50	3600	72							
RSSAC4KO&V1/1050	30	2400	80							
RSSAC4KO&V1/1400	42	3200	76							
RSSCC2KO&V1/1050	30	2400	80	1196	296	1276x276	1246	310	1226x290	
RSSCC2KO&V1/1400	42	3200	76							

&- 3=3000K, 4=4000K lm - Lumen / luminaire light output

PLH



LED Pendelleuchten

Gehäuse:

Eloxiertes Aluminiumgehäuse

Optik:

KO - opale Abdeckung

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Treiber (Konstantstrom)

ND - nicht dimmbar (Standard)

DIM - analog dimmbar 1-10V

DALI - digital dimmbar DALI

Varianten:

PLH - Pendelleuchte als Einzelleuchte

PLH /R - Pendelleuchte für den Einsatz in Reihe

Bemerkung:

Die Lichtreihe wird durch START, CONT und END Stücke gebildet. Das Abhängeset wird mitgeliefert.

Pendant LED fittings

Body:

Anodized aluminum profile

Optic:

KO - opal cover

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED driver (constant current)

ND - not dimmable (standard)

DIM - analogue dimmable 1-10V

DALI - digital dimmable DALI

Variants:

PLH - pendant luminaire for single installation

PLH /R - pendant luminaire for continuous row-mounting

Note:

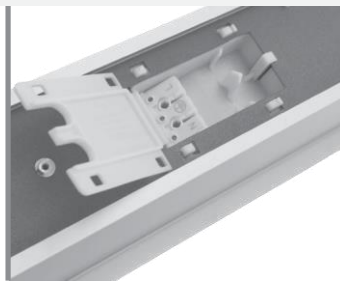
The row can be formed by START, CONT and END fittings. Cord suspension set included.

LEUCHTENENDE / END CUP OF LUMINAIRE

VERBINDER DIM + DALI / CONNECTOR DIM + DALI

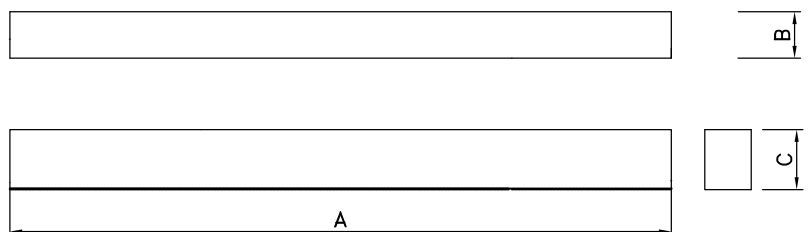
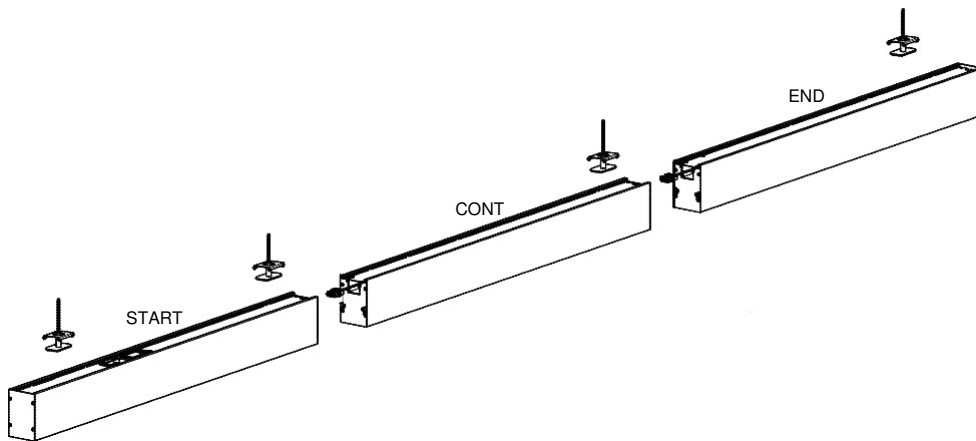
ISO3 KLEMMBLOCK / ISO3 CONNECTOR

LEDS UND REFLEKTOR / LEDS AND REFLECTOR



Codes: PLH1MKO3V1/700ND

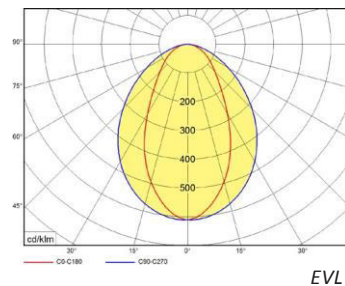
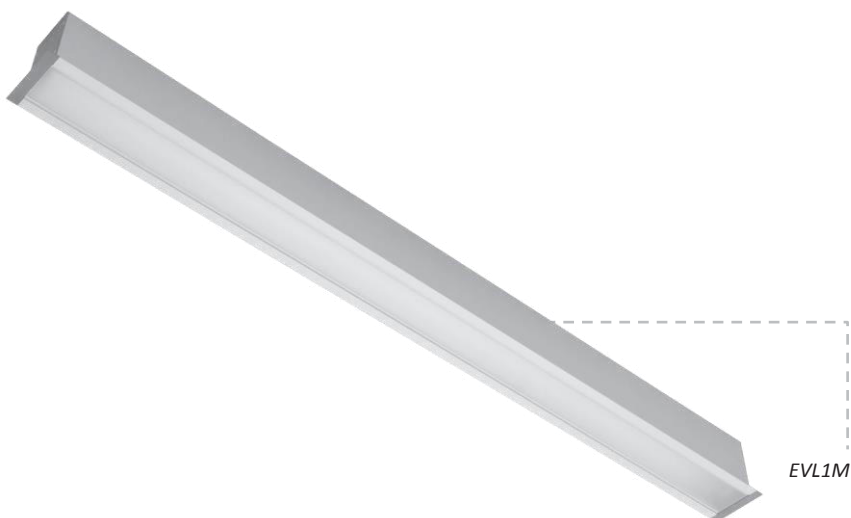
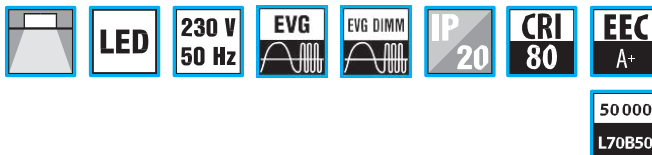
PLH	1	M	KO	3	V1	/700ND
Leuchtentyp / luminaire type						
Anzahl Leuchtstreifen / no. of light strips						
Gehäuselänge / body length: M = 1200mm L = 1500mm						
Abdeckung / cover type: KO = Opal / opal						
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K						
Verbaute LEDs / used LEDs						
Treibertyp / driver type: 700mA, 1050mA ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI						



	W	lm	lm/W	A	B	C	R
PLH1MKO&V1/700	36	3200	89	1185	100	86	700-1100
PLH1MKO&V1/1050	56	4700	84				

&-3=3000K,4=4000K lm - Lumen / luminaire light output

EVL



Lineare LED Einbauleuchten

Gehäuse:

Eloxiertes Aluminiumgehäuse, Endkappen RAL9006

Optik:

Opale Abdeckung

Verschaltung:

LED Konstantstromtreiber
 ND - nicht dimmbar (standard)
 DIM - dimmbar 1-10V DC
 DALI - dimmbar DALI

Variante:

EVL - Einbauleuchte für die Installation in falschen Decken

Recessed LED linear fittings

Body:

Anodized aluminum profile, end caps RAL9006

Optic:

opal cover

Wiring:

LED current driver
 ND - not dimmable (standard)
 DIM - dimmable 1-10V DC
 DALI - dimmable DALI

Variante:

EVL - recessed fitting for single installation into false ceiling

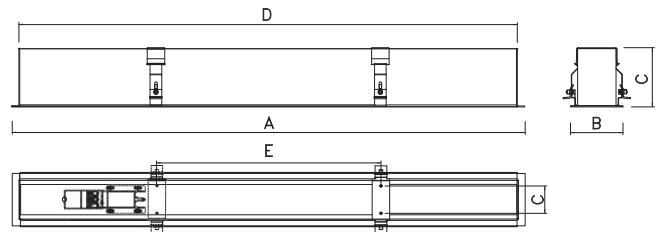
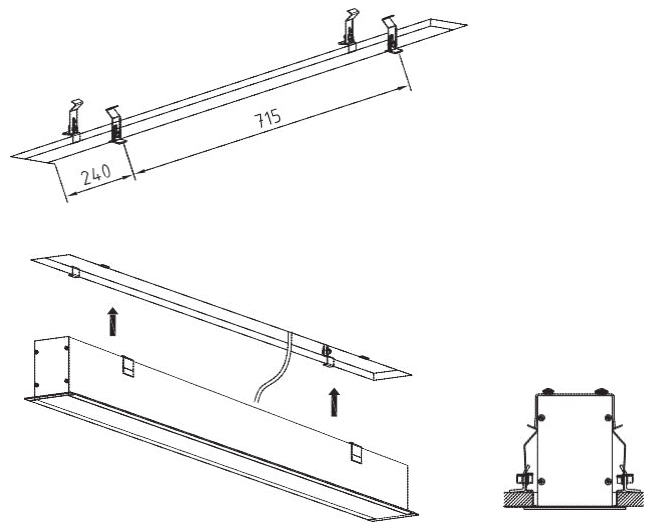
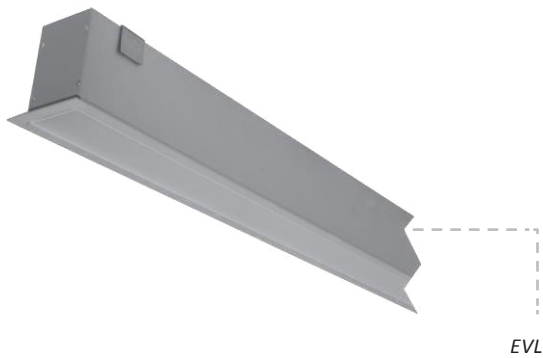
ENDKAPPE DER LEUCHE / END CUP OF LUMINAIRE

RÜCKSEITE / BACK SIDE

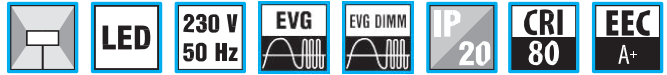
ISO3 KLEMMBLOCK / ISO3 CONNECTOR



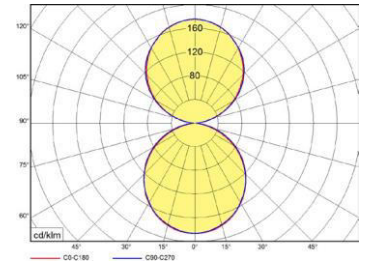
EVL	1	M	KO	3	V1	/1050ND
Leuchtentyp / luminaire type						
Anzahl Leuchtstreifen / no. of light strips						
Gehäuselänge / body length: M = 1200mm L = 1500mm						
Abdeckung / covertype: KO = Opal / opal						
Farbtemperatur / color temperature: 3= 3000K 4= 4000K						
Verbaute LEDs / used LEDs						
Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI						



	&	W	lm	lm/W	A	B	C	
EVL1MKO&/ 700	3 = 3000K	36	3200	89	1210	90	100	1195x75
EVL1MKO&/ 1050	4 = 4000K	56	4700	84				



50000
L70B50



SLT



SLT

Freistehende LED Leuchten

Gehäuse:
Eloxiertes Aluminiumgehäuse, Stahluntergrund (RAL9007)

Optic:
Opale Abdeckung
Direkte oder indirekte Beleuchtung möglich

LED:
Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:
LED Konstantstromtreiber
ND - nicht dimmbar (Standard)
TD - dimmbar durch Berührung

Anwendung:
Freistehende Leuchte.
Die indirekte/ direkte Beleuchtung kann getrennt geschaltet bzw. gedimmt werden.
Höhe der Leuchte 2 Meter

Free-standing LED luminaires

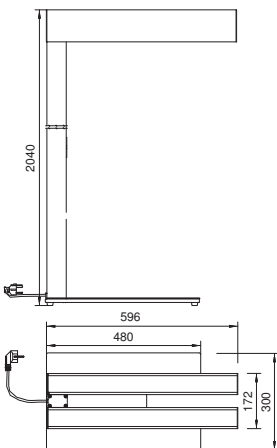
Body:
Anodized aluminum profile, steel base (RAL9007)

Optic:
Opal cover
Direct / indirect light distribution

LED:
Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:
LED current driver
ND - not dimmable (standard)
TD - touch dimmable

Application:
Free-standing luminaire
Indirect/direct light can be switched/ dimmed separately.
Luminaire height 2m



	W	lm
SLT&KODIV1	2x36	5600

&-3=3000K, 4=4000K

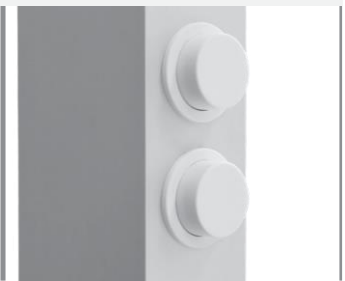
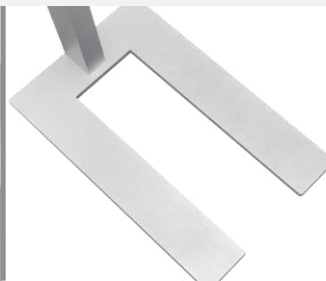
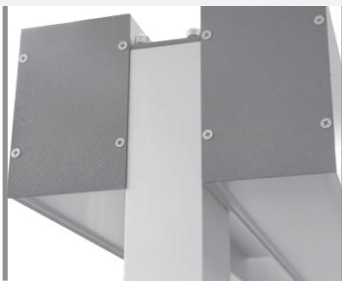
lm - Lumen / luminaire light output

LEUCHTEN TEIL / OPTICAL PART

LEUCHTEN TEIL / OPTICAL PART

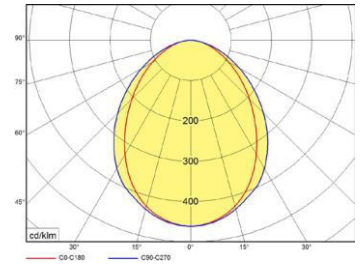
FUSS / STAND

SCHALTER / SWITCHES





50000
L70B50



ABL

LED Leuchten mit Schalter

Gehäuse:

Eloxiertes Aluminiumgehäuse

Optik:

KO - opale Abdeckung
KN - prismatic cover

LED:

Mid Power LED
3... warmweiß 3000K

Verschaltung:

LED Konstantstromtreiber
ND - nicht dimmbar (Standard)

Version:

ABL... eloxierte Aluminiumoberfläche (Standard)
ABL/ B... Oberfläche weiß lackiert

LED luminaires with switch

Body:

Anodized aluminum profile

Optic:

KO - opal cover
KN - prismatic cover

LED:

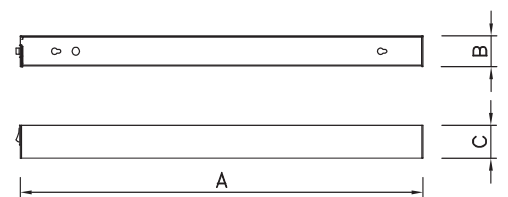
Mid Power LED
3... warm white 3000K

Wiring:

LED current driver
ND - not dimmable (standard)

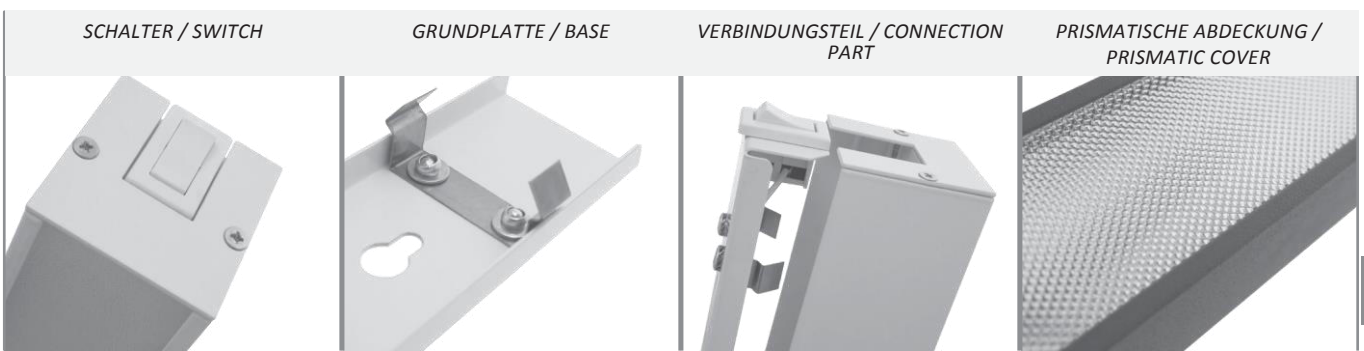
Versions:

ABL... anodized aluminium surface (standard)
ABL/ B... white painted surface

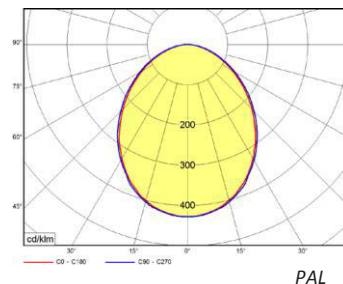
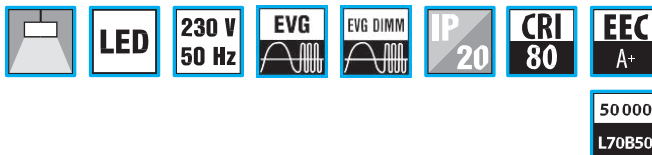


	W	lm	A	B	C	X	kg
ABL3SKOV1/350ND	11	900	600	42	44	490	1,2
ABL3MKOV1/700ND	22	1800	1200	42	44	545	2,4

lm - Lumen / luminaire light output



PAL



LED Pendelleuchten

Gehäuse:

Eloxiertes Aluminiumgehäuse, Endkappen (RAL9007)

Optik:

KO - opale Abdeckung

LED:

Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber
ND - nicht dimmbar (Standard)
DIM - analog dimmbar 1-10V
DALI - digital dimmbar DALI

Bemerkung:

Auch als Reihenleuchte erhältlich
Die Lichtreihe wird durch START, CONT und END Stücke gebildet
Das Abhängeset wird mitgeliefert

Pendant LED fittings

Body:

Anodized aluminum profile, end caps (RAL9007)

Optic:

KO - opal cover

LED:

Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:

LED driver (constant current)
ND - not dimmable (standard)
DIM - analogue dimmable 1-10V
DALI - digital dimmable DALI

Note:

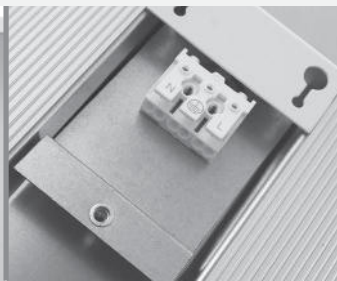
Also available as luminaire in row
The row can be formed by START, CONT and END fittings
Suspension set included

DETAILANSICHT OBERFLÄCHE /
DETAIL OF SURFACE

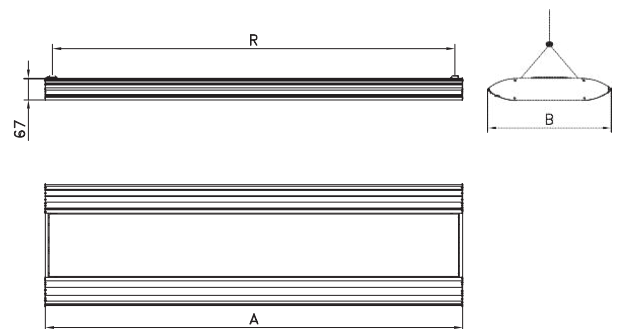
OPALE ABDECKUNG / OPAL COVER

KLEMMBLOCK / TERMINAL

VORDERSEITE / FRONT SIDE

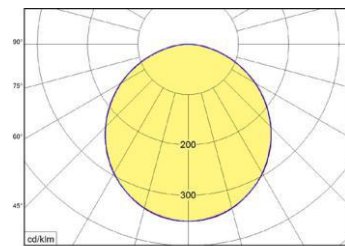
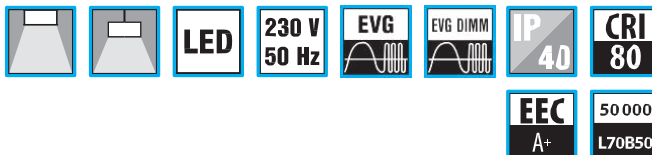


PAL	1	M	KO	3	V1	/1050ND
Leuchtentyp / luminaire type	Anzahl Leuchtstreifen / no. of light strips	Gehäuselänge / body length: M = 1200mm L = 1500mm	Abdeckung / covertype: KO = Opal / opal	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI



Typ	W	lm	lm/W	A	B	C	R
PAL1SKO&V1/350	20	1700	85	605	225	65	585
PAL1MKO&V1/700	36	3000	83	1205			1185
PAL1MKO&V1/1050	56	4200	75	1505			1485
PAL1LKO&V1/1050	60	5100	85				

&-3=3000K,4=4000K lm - Lumen / luminaire light output



AGL1

LED Aufbauleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KO - opale Abdeckung
KN - prismatic cover (optional)

LED:

Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber
ND - nicht dimmbar (Standard)
DIM - analog dimmbar 1-10V
DALI - digital dimmbar DALI

Version:

Flache Aufbauleuchte
SS - Quadrat
RM - Rechteck, mittelgroß
RL - Rechteck, groß

LED surface fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

KO - opal cover
KN - prismatic cover (optional)

LED:

Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:

LED driver (constant current)
ND - not dimmable (standard)
DIM - analogue dimmable 1-10V
DALI - digital dimmable DALI

Versions:

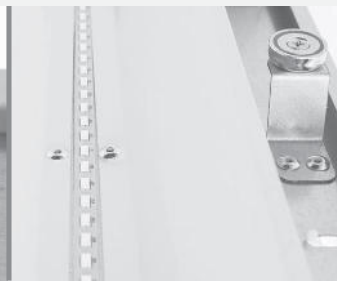
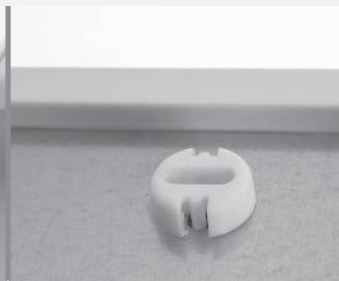
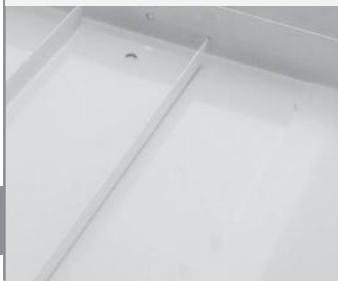
Flat surface fitting
SS - square
RM - rectangle, medium
RL - rectangle, large

VERSTEIFUNG DER ABDECKUNG /
COVER STIFFENER

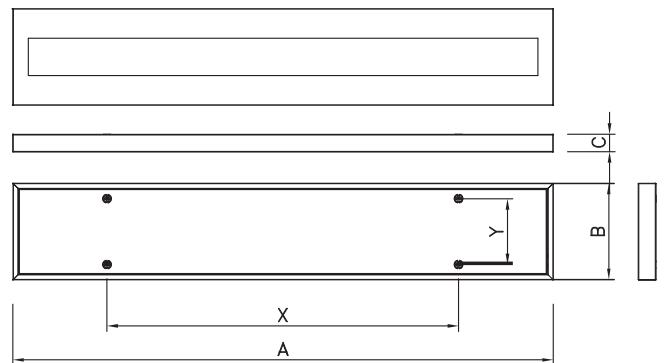
SICHERHEITSHALTERUNG / COVER
SAFETY HOLDER

MONTAGELOCH / MOUNTING
HOLE

HALTER ABDECKUNG (MAGNETISCH)
/ MAGNETIC COVER HOLDER



AGL	1	R	M	KO	3	V1	/ 700ND
Leuchtentyp / luminaire type							
Anzahl Leuchtstreifen / no. of light strips							
Gehäuseform / Body shape S - Quadrat / square R - Rechteck / rectangle							
Gehäuselänge / body length: S = 600mm, M = 1200mm, L = 1500mm							
Abdeckung / cover type: KO - Opal / opal KN - prismatische Abdeckung / prismatic cover							
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K							
Verbaute LEDs / used LEDs							
Treibertyp / drivertype: 700mA, 1050mA, 1400mA ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI							

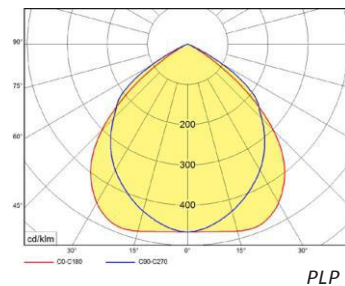
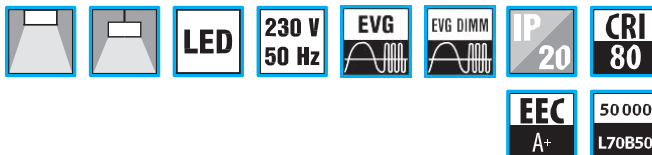


	W	lm	lm/W	A	B	C	X	Y
AGL2SSKO&V1/700	36	3400	94	650	650	40	470	400
AGL2SSKO&V1/1050	56	5000	89					
AGL2SSKN&V1/700	36	3700	103					
AGL2SSKN&V1/1050	56	5400	96					
AGL1RMKO&V1/700	36	3400	94	1230	220	40	800	150
AGL1RMKO&V1/1050	56	5000	89					
AGL1RMKN&V1/700	36	3700	103					
AGL1RMKN&V1/1050	56	5400	96					
AGL1RLKO&V1/1050	38	3600	95	1440	220	40	1100	150
AGL1RLKO&V1/1400	55	5100	93					
AGL1RLKN&V1/1050	38	3800	100					
AGL1RLKN&V1/1400	55	5400	98					

&-3=3000K,4=4000K

lm - Lumen / luminaire light output

PLP



LED Rasterleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KO - Aluminiumspiegelraster mit Opaldiffusor

KOM - Aluminiumraster matt mit Opaldiffusor

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Anwendung:

Decken- oder Pendelinstallation

Zubehör:

Abhängeset

LED luminaires with optic system

Body:

White painted (RAL 9003) metal sheet

Optic:

KO - parabolic aluminum reflector

KOM - parabolic aluminum reflector mat

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED current driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Application:

Surface or pendant installation

Accessories:

Suspension set

MONTAGELÖCHER / MOUNTING HOLES



RASTERBEFESTIGUNG / LOUVRE HOLDER



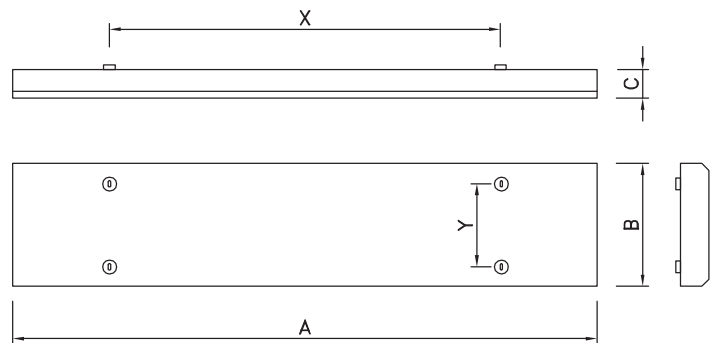
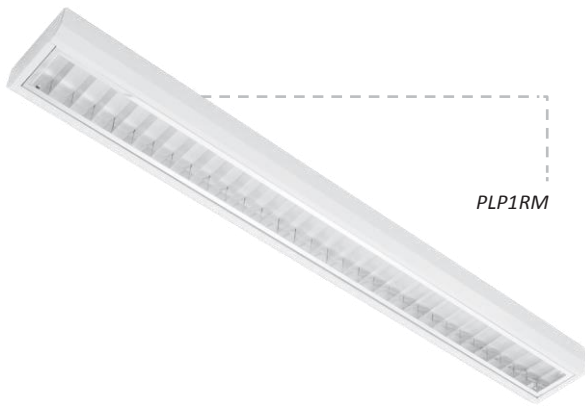
DETAILANSICHT RASTER / LOUVRE DETAIL



KLEMMBLOCK / TERMINAL



PLP	2	R	M	KO	3	V1	/1400	ND
Leuchtentyp / luminaire type								
Anzahl Leuchtstreifen / no. of light strips								
Gehäuseform / body shape S - Quadrat / square R - Rechteck / rectangle								
Gehäuselänge / body length: S = 600mm, M = 1200mm, L = 1500mm								
Abdeckung / covertype: KO - Opal + Raster ALDP / opal + louver ALDP KOM - Opal + Raster MATDP / opal + louver MATDP								
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K								
Verbaute LEDs / used LEDs								
Treiber / driver: mA								
Treibertyp / drivertype: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI/ dimmable DALI								

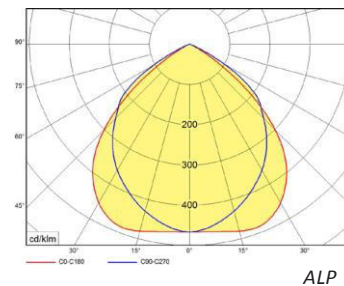
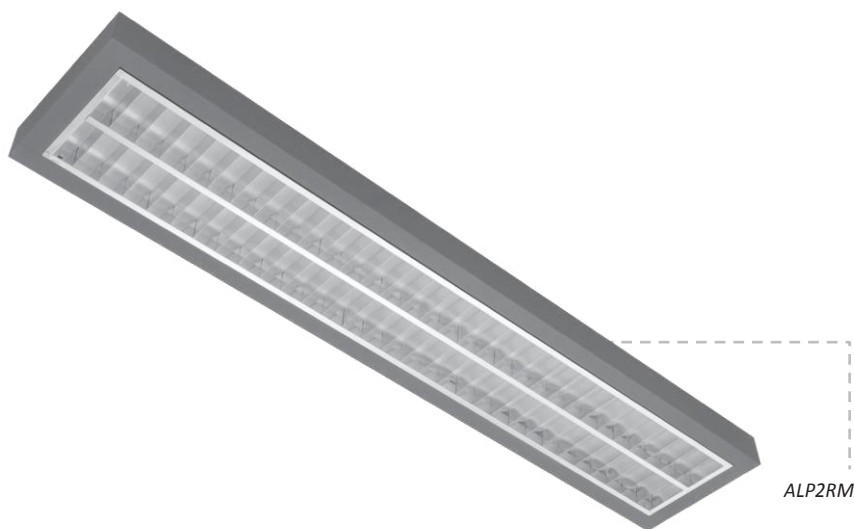
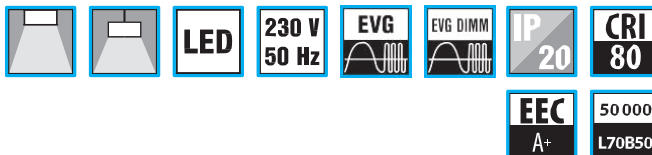


	W	lm	lm/W	A	B	C	X	Y
PLP1RMKO&V1/700	21	1700	81	1210	153	65	900	65
PLP2RMKO&V1/1050	35	3000	86		238			150
PLP2RMKO&V1/1400	40	3400	85		153		65	
PLP1RLKO&V1/1050	32	2700	84	1510	153	65	1200	65
PLP2RLKO&V1/1400	40	3800	95		238			150
PLP2RLKO&V1/2100	65	5500	85					

&-3=3000K,4=4000K

lm - Lumen /luminaire light output

ALP



LED Rasterleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Grau (RAL 9006)

Optik:

KO - Aluminiumspiegelraster mit Opaldiffusor

KOM - Aluminiumraster matt mit Opaldiffusor

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Anwendung:

Decken- oder Pendelinstallation

Zubehör:

Abhänge-set

LED luminaires with optic system

Body:

Grey painted (RAL 9006) metal sheet

Optic:

KO - parabolic aluminum reflector

KOM - parabolic aluminum reflector mat

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED current driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Application:

Surface or pendant installation

Accessories:

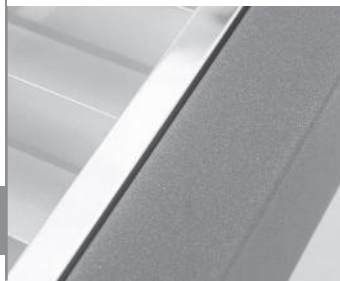
Suspension set

DETAILANSICHT RASTER / LOUVRE
DETAIL

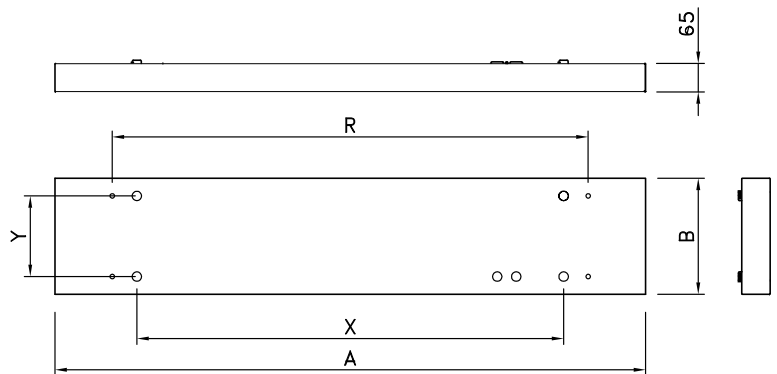
MONTAGELÖCHER / MOUNTING
HOLES

RASTERBEFESTIGUNG / LOUVRE
HOLDER

ALP + ABHÄNGESET / ALP +
SUSPENSION SET



ALP	2	R	M	KO	3	V1	/1400	ND
Leuchtentyp / luminaire type	Anzahl Leuchtstreifen / no. of light strips	Gehäuseform / body shape S - Quadrat / square R - Rechteck / rectangle	Gehäuselänge / body length: M = 1200 mm, L = 1500 mm	Abdeckung / cover type: KO - Opal + Raster ALDP / opal + louvre ALDP KOM - Opal + Raster MATDP / opal + louvre MATDP	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Treiber / driver: mA	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI



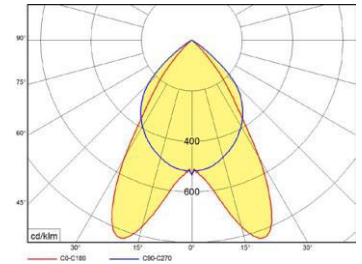
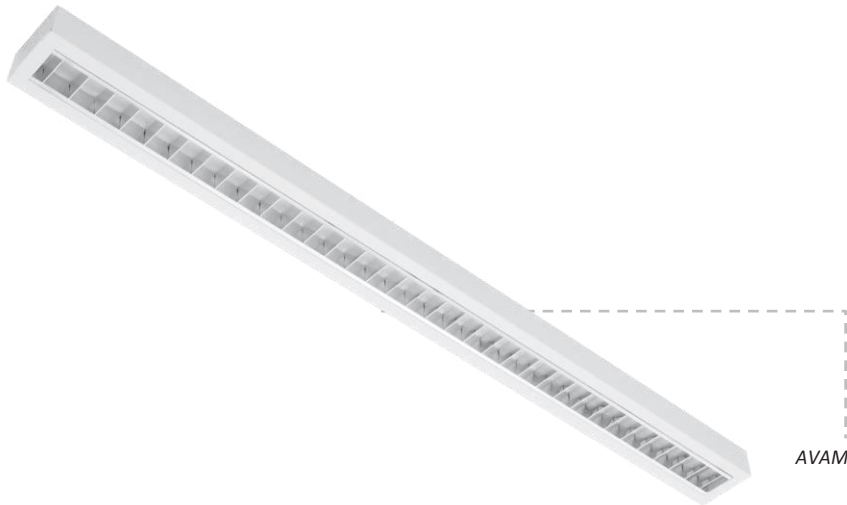
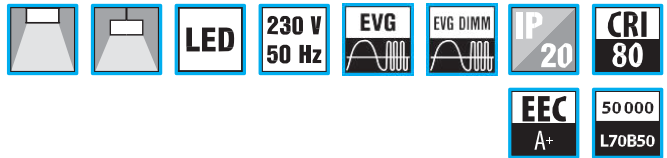
	W	Im	Im/W	A	B	C	X	Y	R
ALP2RMKO&V1/1050	35	3000	86	1245	245	65	900	170	990
ALP2RMKO&V1/1400	40	3400	85				1200		1290
ALP2RLKO&V1/1400	40	3800	95	1545	245		1200		1290
ALP2RLKO&V1/2100	65	5500	85						

&-3=3000K,4=4000K

Im - Lumen / luminaire light output

R- Abstand Aufhängepunkte / distance of hanging points

AVA



AVA

LED Rasterleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KV - Aluminiumspiegelraster mit Opaldiffusor
 KVM - Aluminiumraster matt mit Opaldiffusor

LED:

Mid Power LED
 3... warmweiß 3000K
 4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber
 ND - nicht dimmbar (Standard)
 DIM - dimmbar 1-10V DC
 DALI - dimmbar DALI

Anwendung:

Decken- oder Pendelinstallation

Zubehör:

Abhängeset

Linear LED fittings with optic system

Body:

White painted (RAL 9003) metal sheet

Optic:

KV - parabolic aluminum reflector
 KVM - parabolic aluminum reflector mat

LED:

Mid Power LED
 3... warm white 3000K
 4... neutral white 4000K

Wiring:

LED current driver
 ND - not dimmable (standard)
 DIM - dimmable 1-10V DC
 DALI - dimmable DALI

Application:

Surface or pendant installation

Accessories:

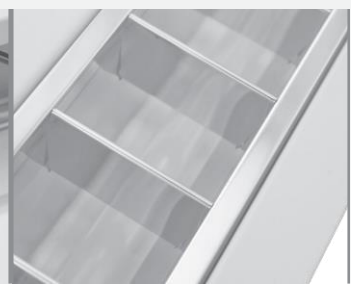
Suspension set

VORDERSEITE DER LEUCHTE / FRONT SIDE OF LUMINAIRE

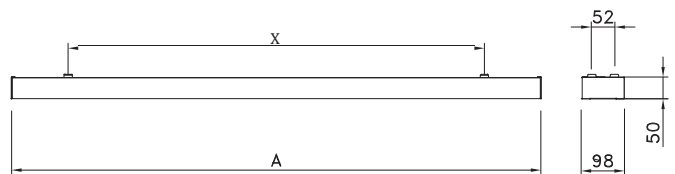
MONTAGELÖCHER / MOUNTING HOLES

KLEMMBLOCK / TERMINAL

DETAILANSICHT RASTER / REFLECTOR DETAIL



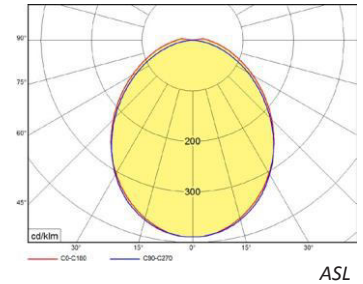
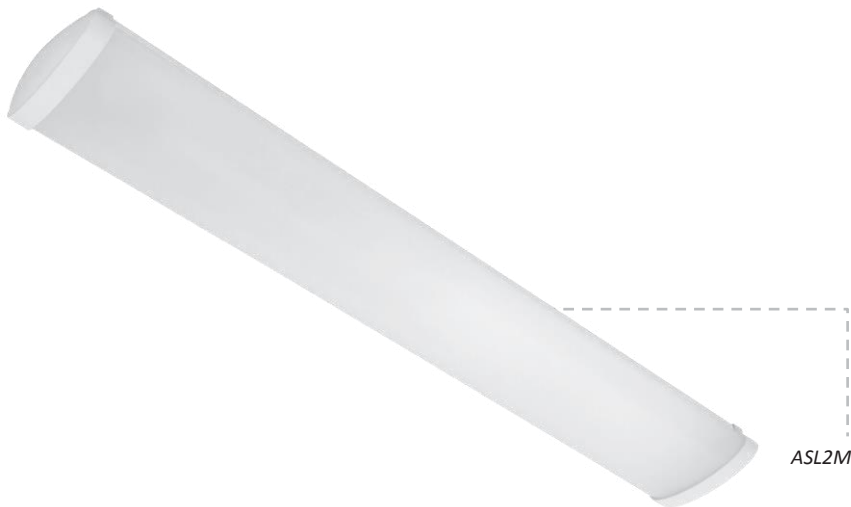
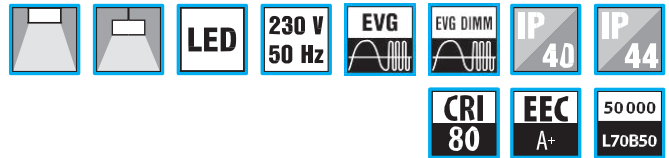
AVA	1	M	KV	3	V1	/700ND
Leuchtentyp / luminaire type	Anzahl Leuchtstreifen / no. of light strips	Gehäuselänge / body length: M = 1200 mm L = 1500 mm	Abdeckung / coverytype: KV - Opal + Raster ALDP / opal + louvre ALDP KVM - Opal + Raster MATDP / opal + louvre MATDP	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI



	W	lm	lm/W	A	B	C	X	Y	kg
AVA1MKV 700	35	2500	71	1223	98	50	960	52	2,4
AVA1MKV 1050	56	3800	68						

lm - Lumen / luminaire light output

ASL, ASA



LED Anbauleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9016)

Optik:

KS - opale PMMA Abdeckung

LED (&):

Mid Power LED Konstantstromtreiber

3... 3000K

4... 4000K

Verschaltung:

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V

DALI - dimmbar DALI

Anwendung:

Decken- oder Pendelinstallation

Zubehör:

Rohrabhängung

Seilabhängung

Schutzgitter

Varianten:

ASL - IP Schutzklasse IP40

ASA - IP Schutzklasse IP44

LED fittings with cover

Body:

White painted (RAL 9016) metal sheet

Optic:

KS - PMMA cover opal

LED (&):

Mid Power LED driver (constant current)

3... 3000K

4... 4000K

Wiring:

ND - not dimmable (standard)

DIM - dimmable 1-10V

DALI - dimmable DALI

Application:

Surface or pendant installation

Accessories:

Tube suspension

Cord suspension

Protection grid

Variants:

ASL - IP protection IP40

ASA - IP protection IP44

ENDKAPPE / END CAP

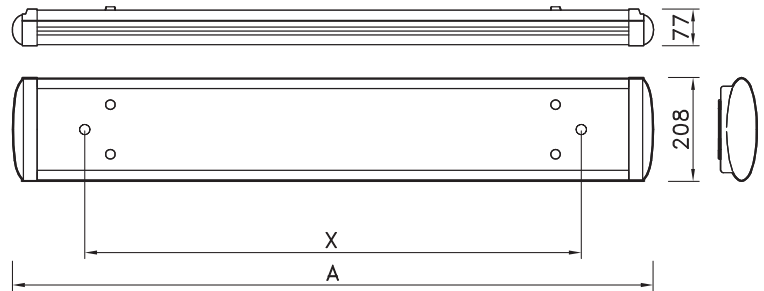
ENTFERNEN DER ABDECKUNG /
COVER REMOVAL

ASA IP44 GEHÄUSE / ASA IP44 BODY

ASA - TREIBER MIT LED MODULEN /
ASA - DRIVER WITH LED MODULES

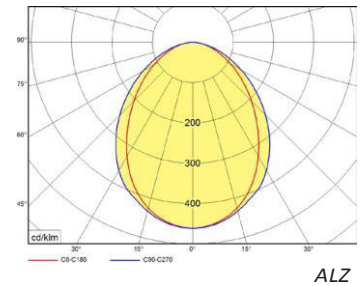
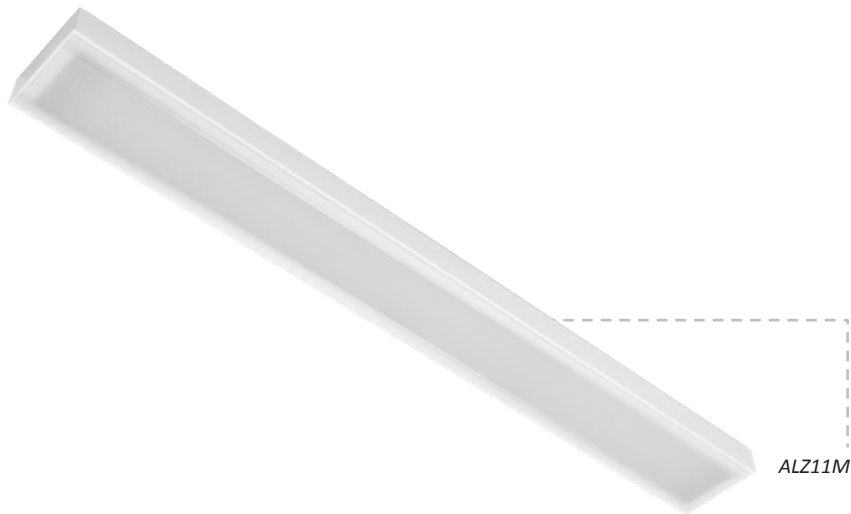
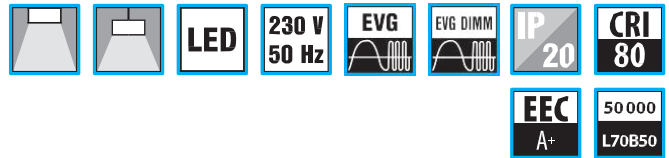


ASL	2	M	KS	3	V1	/1400ND
Leuchtentyp / luminaire type	Anzahl Leuchtstreifen / no. of light strips	Gehäuselänge / body length: M = 1200 mm L = 1500 mm	Abdeckung / cover type KS = opal / opal	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI



	W	lm	lm/W	A	B	C	X	Y
ASL2MKS&V1/1400	42	4000	95	1293	208	77	800	0
ASL2LKS&V1/2100	62	6000	97	1593			1000	

&-3=3000K,4=4000K lm - Lumen / luminaire light output



LED Anbauleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KO - opale Abdeckung

LED (&):

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - analog dimmbar 1-10V

DALI - digital dimmbar DALI

Installation:

Deckeninstallation

Pendelinstallation

Zubehör:

Seilabhängung

LED fittings with cover

Body:

White painted (RAL9003) metal sheet

Optic:

KO - opal cover

LED (&):

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED driver (constant current)

ND - not dimmable (standard)

DIM - analogue dimmable 1-10V

DALI - digital dimmable DALI

Installation:

Surface installation

Pendant installation

Accessories:

Cord suspension

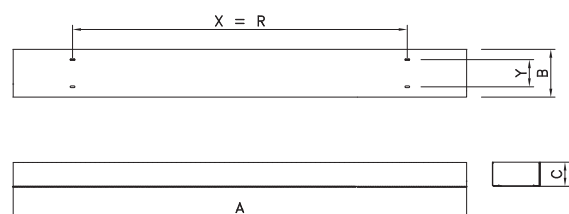
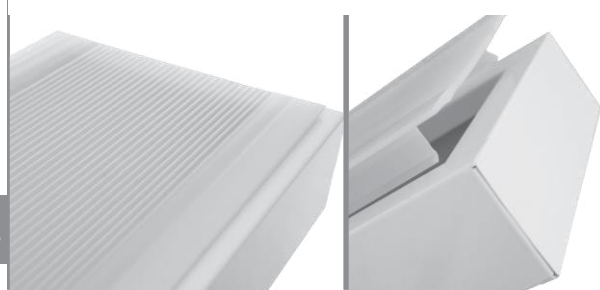
	W	lm	lm/W	A	B	C	X	Y
ALZ11MKO&V1/700	36	2800	78	1210	140	55	850	90
ALZ11MKO&V1/1050	58	3900	67					
ALZ11LKO&V1/1050	38	3100	82	1510	140	55	1150	90
ALZ11LKO&V1/1400	55	4000	73					

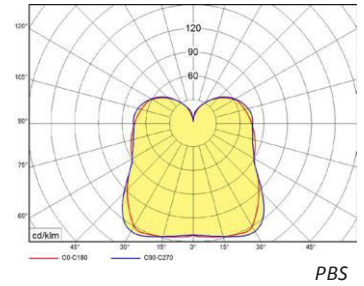
&-3=3000K, 4=4000K

lm - Lumen / luminaire light output

ABDECKUNG / COVER

ENTFERNEN DER ABDECKUNG /
REMOVING OF COVER





LED Abhängeleuchten

Gehäuse:
Lackiertes Aluminiumgehäuse in Grau

Optik:
PC - Abdeckung aus Polycarbonat

LED:
Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:
Nicht dimmbarer LED Konstantstromtreiber

Anwendung:
Abhängeleuchte für den industriellen Bereich oder in Shoppingzentren

Pendant LED luminaires

Body:
Grey painted aluminum body

Optic:
PC - profiled polycarbonate cover

LED:
Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:
Non dimmable LED current driver

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

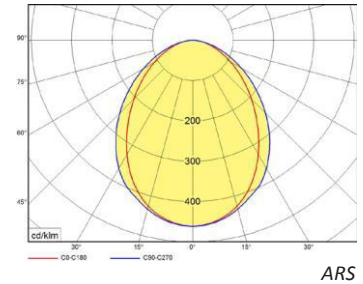
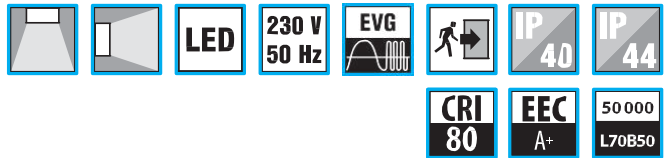
	W	lm
PBS&KOV1	42	3800

&-3=3000K,4=4000K

lm - Lumen / luminaire light output



ARS, ASB



LED Deckenleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KO - opale PMMA Abdeckung

KOPC - opale Abdeckung aus Polycarbonat

LED (&):

Mid Power LED mit Treiber

3... 3000K

4... 4000K

5... 5700K

Verschaltung (#):

ND - nicht dimmbar (Standard)

DALI - dimmbar DALI

DIM - dimmbar 1-10V

SM - Bewegungsmelder

NZ - Notlichtpaket (nicht für ARS300)

Version:

ARS - IP40

300 - kleine Version (Ø 300 mm)

375 - mittlere Version (Ø 375 mm)

480 - große Version (Ø 480 mm)

ASB - IP44

300 - kleine Version (Ø 285 mm)

375 - mittlere Version (Ø 375 mm)

480 - große Version (Ø 480 mm)

LED fittings with cover

Body:

White painted (RAL 9003) metal sheet

Optic:

KO - opal PMMA cover

KOPC - opal polycarbonate cover

LED (&):

Mid Power LED with driver

3... 3000K

4... 4000K

5... 5700K

Wiring (#):

ND - not dimmable (standard)

DALI - dimmable DALI

DIM - dimmable 1-10V

SM - integrated active presence detector

NZ - emergency pack (except ARS300)

Version:

ARS - IP40

300 - small fitting (Ø 300 mm)

375 - middle fitting (Ø 375 mm)

480 - large fitting (Ø 480 mm)

ASB - IP44

300 - small fitting (Ø 285 mm)

375 - middle fitting (Ø 375 mm)

480 - large fitting (Ø 480 mm)

VERSCHLUSS DER ABDECKUNG /
COVER HOLDER

VERSCHLUSS DER ABDECKUNG /
COVER HOLDER

ARS OBERLÄCHE DER ABDECKUNG /
ARS COVER SURFACE

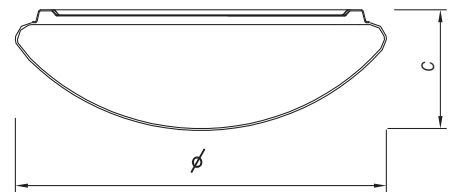
LED MODUL, KÜHLPLATTE / LED
MODULE, COOLING PLATE



ARS	3	KO	300	V1	/ND	SM
Leuchtentyp / luminaire type						
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K 5 = 5000K						
Abdeckung / covertype: KO - PMMA Opal / PMMA opal KOPC - opal PC / opal PC						
Leuchtdurchmesser / luminaire diameter:						
LED:						
V0 - 3 Module / 8 LEDs / 350mA (nur für Durchmesser 300) / 3 modules / 8 LEDs / 350mA (only for diameter300)						
V1 - 4Module / 12 LEDs / 350mA (nur für Durchmesser 300) / 4 modules / 12 LEDs / 350 mA (only for diameter300)						
V2 - 6 Module / 16 LEDs / 500mA (nur für Durchmesser 375) / 6 modules / 16 LEDs / 500 mA (only for diameter375)						
V3 - 8 Module / 16 LEDs / 700mA (nur für Durchmesser 480) / 8 modules / 16 LEDs / 700 mA (only for diameter480)						
Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI						
Verfügbar / available: SM - Mikrowellensensor / microwave sensor NZ - Notlichtfunktion / emergency pack						

ARS / ASB	V0	V1	V2	V3
Leistung / power	10W	15W	28W	37W
Lumen / luminaire light output	800lm	1200lm	2300lm	3300lm
Effizienz / efficiency	80 lm/W	80 lm/W	82 lm/W	89 lm/W
äquivalente konventionelle Leuchten* / equivalent conventional lamps*	40W	75W	100W	150W

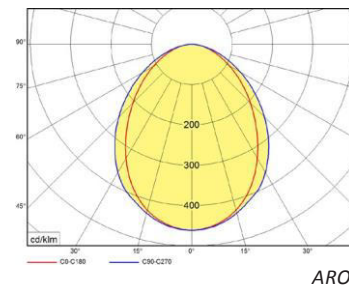
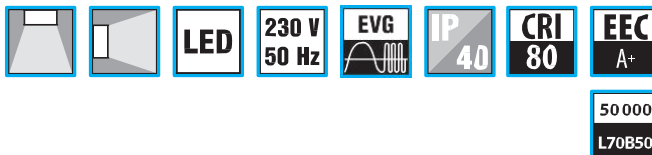
* ungefährender Vergleich / approximate comparison



	COVER	W	lm	lm/W	ø	C	kg	
ARS&KO300V1/#	PMMA	15	1400	93	300	105	1,1	IP 40
ARS&KOPC300V1/#	PC	15	1400		300	105	1,1	
ARS&KO375V2/#	PMMA	28	2500	89	375	125	1,7	
ARS&KOPC375V2/#	PC	28	2500		375	125	1,7	
ARS&KO480V3/#	PMMA	37	3500	95	480	150	2,4	
ARS&KOPC480V3/#	PC	37	3500		480	150	2,4	
ASB&KO300V0/#	PMMA	10	800	80	285	89	1,0	IP 44
ASB&KO300V1/#	PMMA	15	1200	80	285	89	1,0	
ASB&KO375V2/#	PMMA	28	2300	82	375	108	1,6	
ASB&KO480V3/#	PMMA	37	3300	89	480	132	2,3	

&- 3=3000K, 4=4000K, 5=5000K

lm - Lumen / luminaire light output



LED Deckenleuchten mit Glasabdeckung

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

Opale Glasabdeckung

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

SM - Bewegungsmelder

Surfaced LED fittings with glass cover

Body:

White painted (RAL 9003) metal sheet

Optic:

Opal glass cover

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED current driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

SM - integrated active presence detector

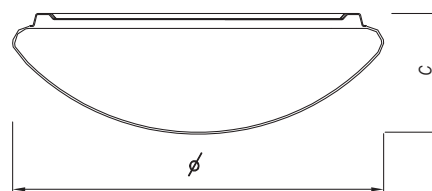
	W	lm	lm/W	ø	C	kg
ARO&KO300V1	14	1250	89	300	97	2,0
ARO&KO340V2	26	2000	77	345	126	2,3

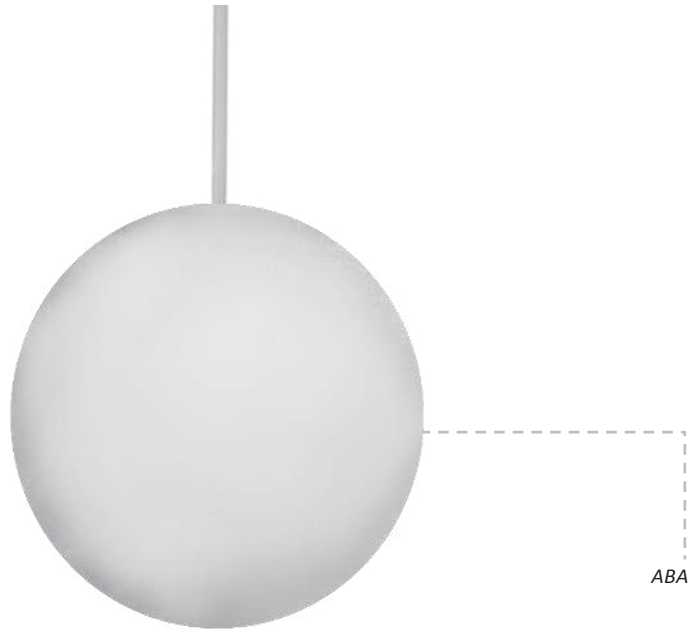
lm - luminaire light output



KÜHLPLATTE / COOLING PLATE

KLEMMBLOCK / TERMINAL





LED Abhängeleuchten aus Glas

Gehäuse:
Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:
Opale Glasabdeckung

LED:
Mid Power LED
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:
LED Konstantstromtreiber
ND - nicht dimmbar (Standard)

Varianten:
ABA OP - opale Kugel
ABA OV - opaler Zylinder

Abhängung:
L - Selbsttragendes, transparentes 2 Meter Kabel

Pendant LED fittings with glass cover

Body:
White painted (RAL 9003) metal sheet

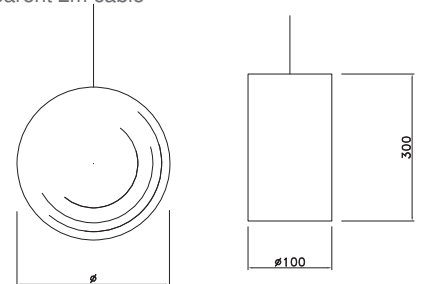
Optic:
Opal glass cover

LED:
Mid Power LED
3... warm white 3000K
4... neutral white 4000K

Wiring:
LED current driver
ND - not dimmable (standard)

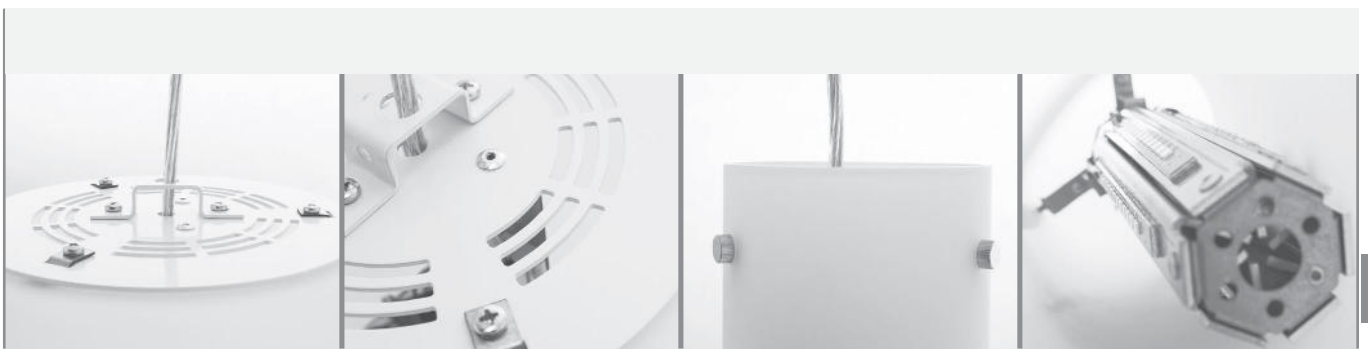
Variants:
ABA OP - opal ball
ABA OV - opal cylinder

Suspension:
L - Self-supporting transparent 2m cable

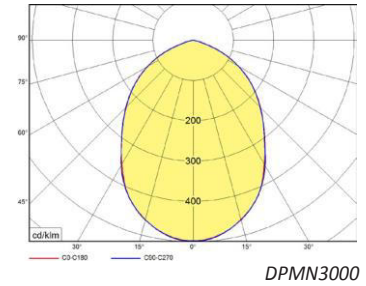


	W	lm	lm/W	ø	kg
ABAOP200L3	20	1700	85	200	2,0
ABAOP400L3	39	3350	86	400	4,0
ABAOV100	20	1500	75	100	2,0

lm - Lumen / luminaire light output



DPMN



LED Downlight für den Deckeneinbau

Gehäuse:

Weiß lackiertes Aluminiumgehäuse

Optik:

Hochglanzpolierter Aluminiumreflektor
Opale Glasabdeckung

LED:

COB CITIZEN

Verschaltung:

LED Konstantstromtreiber - separat
ND - nicht dimmbar (Standard)
DIM - dimmbar 1-10V
DALI - dimmbar DALI

Anwendung:

Einbaudownlight für die Installation in falschen Decken

Versionen:

B - Durchmesser Reflektor 140 mm
C - Durchmesser Reflektor 190 mm
D - Durchmesser Reflektor 240 mm

Recessed LED downlights

Body:

White painted aluminum body

Optic:

High polished aluminum reflector
Opal glass cover

LED:

COB CITIZEN

Wiring:

LED driver (constant current) - located separately.
ND - not dimmable (standard)
DIM - dimmable 1-10V
DALI - dimmable DALI

Application:

Recessed downlight for installation into false ceiling

Versions:

B - reflector diameter 140 mm
C - reflector diameter 190 mm
D - reflector diameter 240 mm

VERBINDER / CONNECTOR



HALTEKLAMMER / FIXING CLIP



LEUCHE MIT TREIBER / LUMINAIRE WITH DRIVER



DETAILANSICHT REFLEKTOR / DETAIL OF REFLECTOR

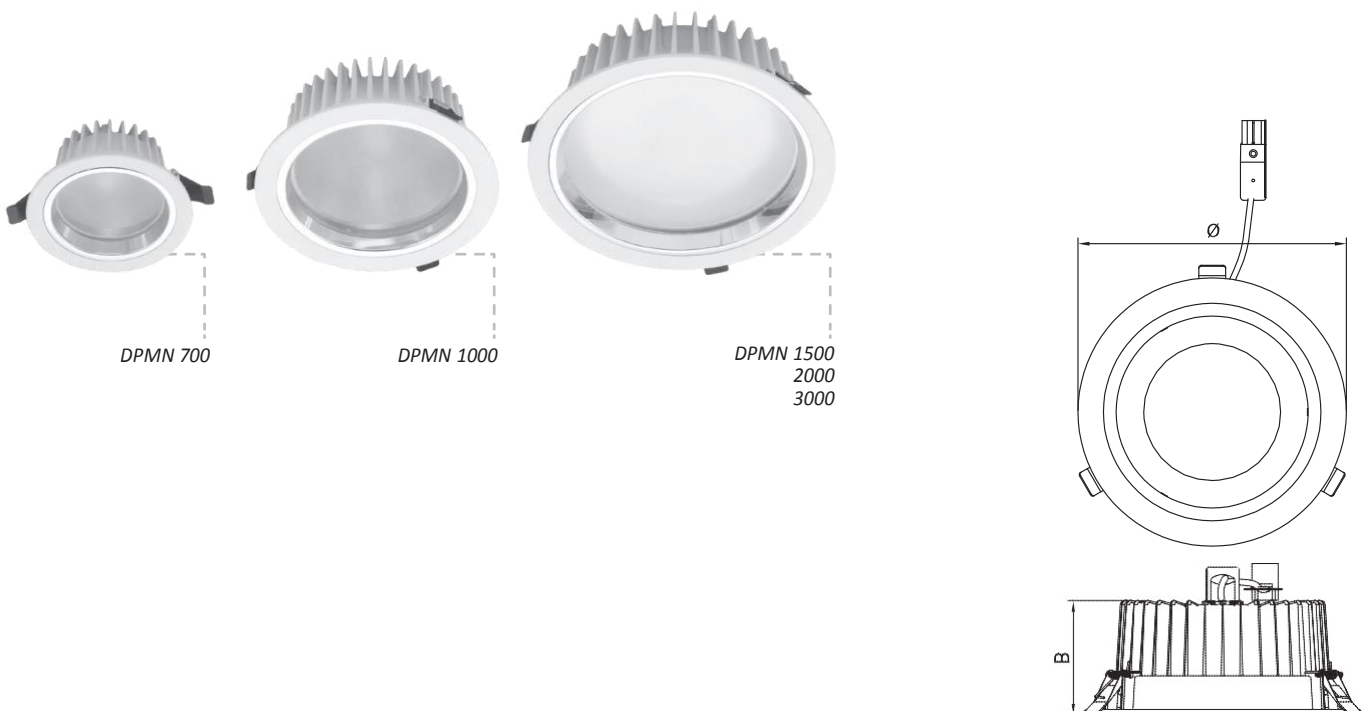


Codes: DPMN1000KO3V1CB/ND

DPMN	1000	KO	3	V1	C	B	/ND
Leuchtentyp / luminaire type							
Lumen / light output (lm)							
Abdeckung / covertype: O - Opalglass / opal glass							
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K							
LED							
Gehäusedurchmesser / body diameter: B - Außendurchmesser / body size 130mm - ring outside diameter C - Außendurchmesser / body size 190mm - ring outside diameter D - Außendurchmesser / body size 240 mm - ring outside diameter							
Gehäusefarbe / body color: B - weiß / white							
Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI							

DPMN	DPMN700	DPMN1000	DPMN1500	DPMN2000	DPMN3000
Leistung / power	11W	15W	21W	28W	40W
Lumen / luminaire light output	700lm	900lm	1500lm	2000lm	3000lm
Effizienz / efficiency	64 lm/W	60 lm/W	72 lm/W	72 lm/W	75 lm/W
Äquivalente konventionelle Leuchten* / equivalent conventional lamps*	40W	60W	80W	100W	150W

* ungefährender Vergleich / approximate comparison

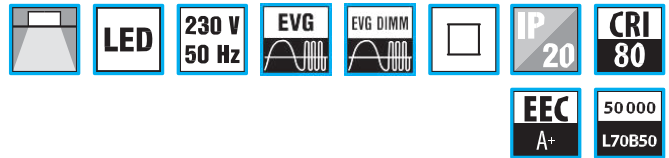


	W	lm	lm/W	Ø	B	
DPMN700KO&V2	11	700	64	130	90	115
DPMN1000KO&V2	15	900	60	190		178
DPMN1500KO&V2	21	1500	71	240	85	225
DPMN2000KO&V2	28	2000	71			
DPMN3000KO&V2	40	3000	75			

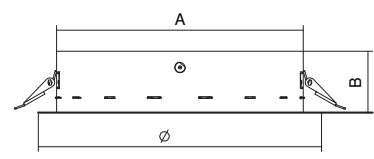
&-3=3000K,4=4000K

lm - Lumen / luminaire light output

DPMU



DPMU190



LED Deckeneinbauleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

Transparente Arylabdeckung mit prismatischer Schicht

LED (&):

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Anwendung:

Einbauinstallation in falschen Decken

Codes: DPMU4KN370V2

Recessed LED fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

Translucent acrylic cover with a prismatic layer

LED (&):

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED current driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Application:

Recessed installation into false ceiling

DPMU	4	KN	370	V2	/700ND
Leuchtentyp / luminaire type	Farbtemperatur / color temperature		Gehäusedurchmesser / body diameter	Verbaute LEDs / used LEDs	
	3=3000K 4=4000K		370mm 190mm		
Optik / optic	Treibertyp / drivertype:				
	ND - nicht dimmbar / not dimmable				
	DIM - dimmbar 1-10V / dimmable 1-10V				
	DALI - dimmbar DALI / dimmable DALI				

SPMN	W	lm	lm/W	Ø		B	kg
DPMU&KN190	14	1400	100	210	190	58	0,9
DPMU&KN370	28	2900	104	390	370		2,0

lm - Lumen / luminaire light output

HALTEKLAMMER / FIXING CLIP

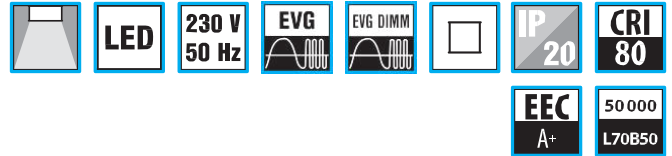
LEUCHTENPROFIL / LUMINAIRE PROFILE

DETAILANSICHT ABDECKUNG / COVER DETAIL

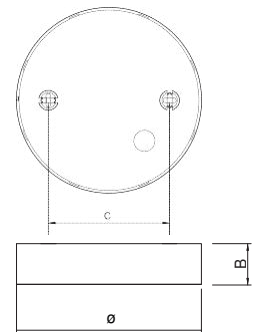
DETAILANSICHT RAHMEN / FRAME DETAIL



DPMA



DPMA190



LED Deckenleuchten

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

Transparente Acrylabdeckung mit prismatischer Schicht

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Surfaced LED fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

Translucent acrylic cover with a prismatic layer

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

LED current driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Codes: DPMA4KN370V2

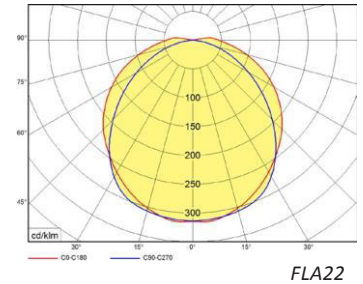
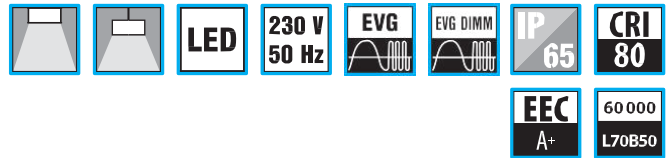
SPMP	4	KN	370	V2	/700ND
Leuchtentyp / Luminaire type					
Farbtemperatur / color temperature	3 = 3000K 4 = 4000K				
Optik / optic					
Gehäusedurchmesser / body diameter			370mm 190mm		
Verbaute LEDs / used LEDs					
Treibertyp / drivertype:					
ND - nicht dimmbar / not dimmable					
DIM - dimmbar 1-10V / dimmable 1-10V					
DALI - dimmbar DALI / dimmable DALI					

	W	lm	lm/W	ø	B	C	kg
DPMA&KN190	14	1400	100	190	41	150	0,9
DPMA&KN370	28	2900	104	370	40	280	2,0

lm - Lumen / luminaire light output



FLA



LED Feuchtraumwannenleuchten

Gehäuse:
Glasfaserverstärkter Polystyrolkörper + verzinktes Metallblech + Edelstahlklammern (Industrieausführung)

Optik:
CO - opale Abdeckung aus Polycarbonat

LED (&):
Mid Power LED mit Konstantstromtreiber
3... warmweiß 3000K
4... neutralweiß 4000K

Verschaltung:
ND - nicht dimmbar (Standard)
DALI - dimmbar DALI
DIM - dimmbar 1-10V

Anwendung:
Decken oder Pendelmontage

Zubehör:
Seilabhängung
Schutzgitter
Abhängehaken
Befestigungsklammern

Version:
F - mit flexiblem Kabel
P - mit Durchgangsverdrahtung 5 x 1,5 mm²

LED waterproof light fittings

Body:
Glass fibre reinforced polystyrene body + galvanized metal sheet + stainless steel clips (industrial version)

Optik:
CO - polycarbonate opal cover

LED (&):
Mid Power LED with constant current driver
3... warm white 3000K
4... neutral white 4000K

Wiring:
ND - not dimmable (standard)
DALI - dimmable DALI
DIM - dimmable 1-10V

Application:
Surface or pendant installation

Accessories:
Cord suspension
Protection grid
Suspension hook
Fixation clip

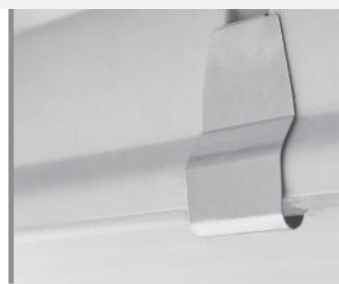
Versions:
F - with flexible cord
P - with through wiring 5x1,5 mm²

FLA11

FLA22

VERSCHLUSS / BUCKLE

KABELDURCHFÜHRUNG /
GROMMET

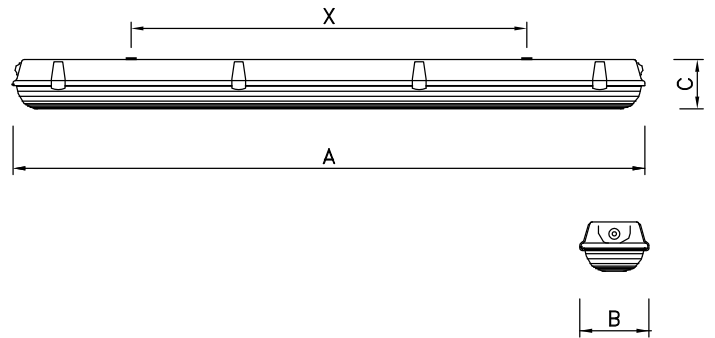


FLA	2	2	M	E	C	O	4	V1	/2x700ND	
Leuchtentyp / luminaire type	Gehäusebreite / body width: 1 = schmal / narrow (86 mm) 2 = breit / wide (136 mm)		Anzahl Leuchtstreifen / no. of light strips	Gehäuselänge / body length: S = 600mm M = 1200mm L = 1500mm	Material Gehäuse / Body material:	Material Abdeckung / cover material S = Polystyrol / polystyrene C = Polycarbonat / polycarbonate M = Acrylglas / PMMA	Abdeckung / covertype: O = opal / opal	Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K	Verbaute LEDs / used LEDs	Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI

FLA-Hochleistungsvariante / high power	FLA21MV1	FLA21L V1	FLA22MV1	FLA22L V1
Leistung / power	33W	50W	62W	95W
Lumen / luminaire light output	3400lm	4800lm	6800lm	8600lm
Effizienz / efficiency	103lm/W	84 lm/W	110lm/W	91 lm/W

FLA-Energiesparvariante / energy saver	FLA11MV2	FLA11L V2	FLA22MV2	FLA22L V2
Leistung / power	22W	32W	42W	60W
Lumen / luminaire light output	2400lm	3400lm	4800lm	6500lm
Effizienz / efficiency	109lm/W	106lm/W	114lm/W	108lm/W
Äquivalente konventionelle Leuchten / equivalent conventional lamps*	1x36W	1x58W	2x36W	2x58W

* ungefährender Vergleich / approximate comparison



FLA - Hochleistungsvariante / high power

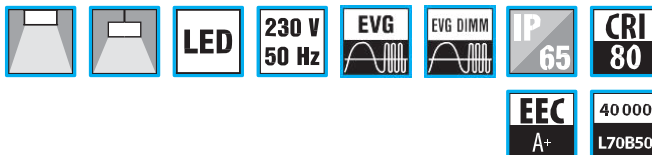
FLA V1	W	lm	lm/W	A	B	C	X	kg
FLA21MECOV1	33	3400	103	1275	135	100	800	2,5
FLA22MECOV1	62	6800	110					2,6
FLA21LECOV1	50	4800	84	1572	135	100	1100	3,2
FLA22LECOV1	95	8600	91					

FLA - Energiesparvariante / energy saver

FLA V2	W	lm	lm/W	A	B	C	X	kg
FLA11MECOV2	22	2400	109	1275	84	100	800	1,9
FLA22MECOV2	42	4800	114		135			2,5
FLA11LECOV2	32	3400	106	1572	84	100	1100	2,4
FLA22LECOV2	60	6500	108		135			2,8

&- 3=3000K, 4=4000K

lm - Lumen / luminaire light output



LED Feuchtraumwannenleuchten

Gehäuse:

ABS oder PC, pulverbeschichtetes Stahlblech in Weiß (RAL 9016), Edelstahlklammern

Optik:

PC - opale Abdeckung aus Polycarbonat

LED:

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

Verschaltung:

ND - nicht dimmbar (Standard)

DALI - dimmbar DALI

DIM - dimmbar 1-10V

Zubehör:

Seilabhängung

Schutzgitter

Versionen:

NZ - Notlichtfunktion

F - mit flexiblem Kabel

P - mit Durchgangsverdrahtung 5 x 1,5mm²

LED waterproof light fittings

Body:

ABS or PC, white painted (RAL 9016) metal sheet, stainless steel clips

Optic:

PC - polycarbonate opal cover

LED:

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

Wiring:

ND - not dimmable (standard)

DALI - dimmable DALI

DIM - dimmable 1-10V

Accessories:

Cord suspension

Protection grid

Versions:

NZ - emergency pack

F - with flexible cord

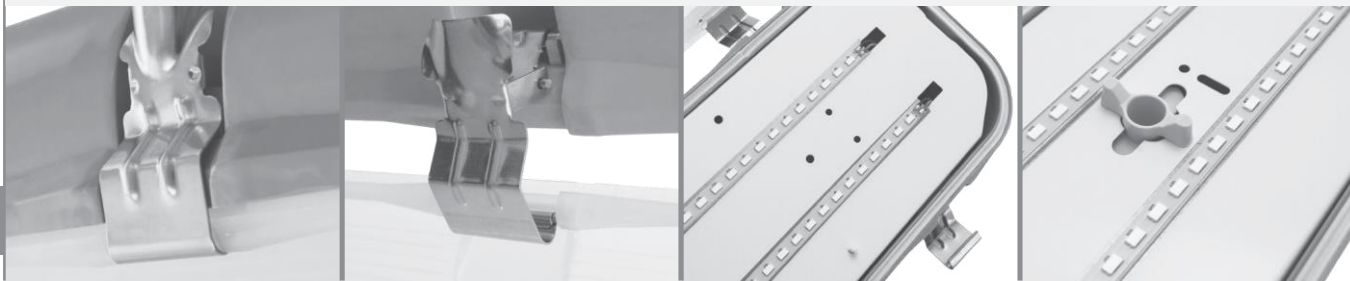
P - with through wiring 5 x 1,5mm²

VERSCHLUSS / BUCKLE

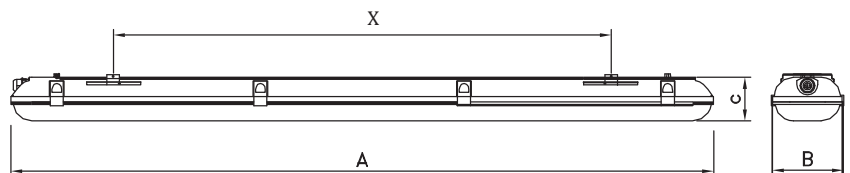
GELÖSTE ABDECKUNG /
HANGING COVER

LED STREIFEN / LED STRIPES

BEFESTIGUNG INNENTEIL /
EQUIPMENT HOLDER



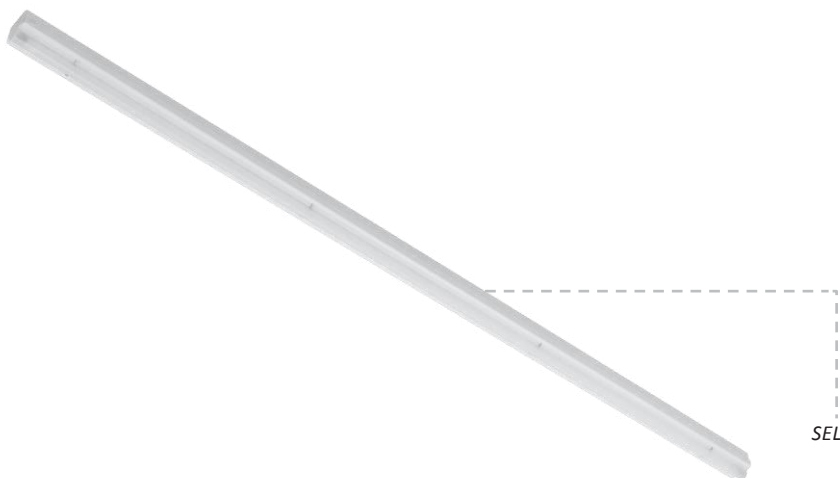
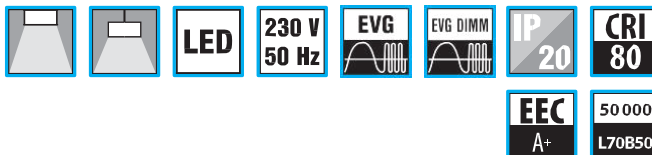
FLB	2	2	L	C	C	4	V2	/600ND
Leuchtentyp / Luminaire type								
Gehäusebreite / body width: 1 = schmal / narrow (86 mm) 2 = breit / wide (136 mm)								
Anzahl Leuchtstreifen / no. of light strips								
Gehäuselänge / body length: M = 1200 mm L = 1500 mm								
Material Gehäuse / body material: C = Polycarbonat / polycarbonate, A = ABS / ABS								
Material Abdeckung / cover material C = Polycarbonat / polycarbonate								
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K								
Verbaute LEDs / used LEDs								
Treibertyp / driver type: ND - nicht dimmbar / not dimmable								



FLB	W	lm	lm/W	A	B	C	X	kg
FLB11MCC	22	2100	95	1270	86	90	900	2,2
FLB22MAC	43	4200	98		136			2,8
FLB11LCC	34	3100	91	1570	86		1200	3,0
FLB22LCC	65	6000	92		136			3,5

&- 3=3000K, 4=4000K

lm - Lumen / luminaire light output



LED Stablichter

Gehäuseform:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

KV - opale Abdeckung
 SELN - schmaler Abstrahlwinkel
 SELW - breiter Abstrahlwinkel

LED:

Mid Power LED
 3... warm white 3000K
 4... neutral white 4000K

Verschaltung:

LED Konstantstromtreiber
 ND - nicht dimmbar (Standard)
 DIM - dimmbar 1-10V DC
 DALI - dimmbar DALI

Anwendung:

Decken- oder Pendelinstallation

Zubehör:

Abhängeset

LED linear fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

KV - opal cover
 SELN - narrow beam
 SELW - wide beam

LED:

Mid Power LED
 3... warm white 3000K
 4... neutral white 4000K

Wiring:

LED current driver
 ND - not dimmable (standard)
 DIM - dimmable 1-10V DC
 DALI - dimmable DALI

Application:

Surface or pendant installation

Accessories:

Suspension set

SEL OHNE REFLEKTOR / SEL - WITHOUT REFLECTOR

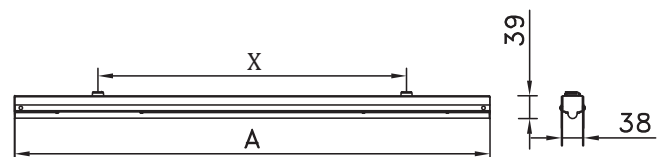
SELN SCHMALE ABSTRAHLUNG / SELN - NARROW BEAM

BREITE ABSTRAHLUNG / SELW - WIDE BEAM

MONTAGELÖCHER / MOUNTING HOLES

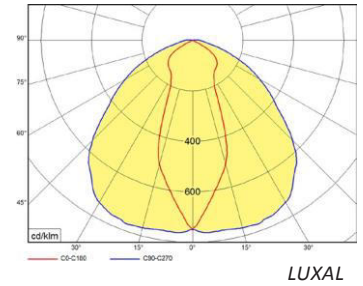
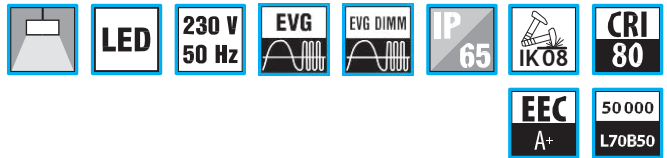


SEL	1	M	KV	3	V1	/700ND
Leuchtentyp / luminaire type						
Anzahl Leuchtstreifen / no. of light strips						
Gehäuselänge / body length: M = 1200 mm L = 1500 mm						
Optik / optic KV -opal cover of LED modules						
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K						
Verbaute LEDs / used LEDs						
Treibertyp / drivertype: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI						

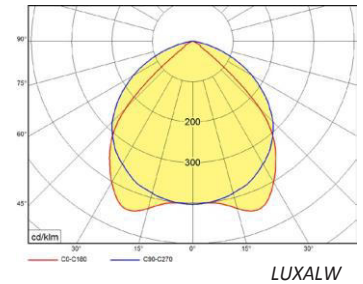


	W*	lm*	lm/W	A	B	C	X	kg
SEL1MKV 700	28	3100	111	1186	38	39	900	1,1
SELN1MKV 700	28	3000	107					2,0
SELW1MKV 700	28							

lm - Lumen / luminaire light output



LUXAL



LUXALW

LEDHallenstrahler

Gehäuse:

Pulverbeschichtetes Stahlblech in Weiß (RAL 9003)

Optik:

Hochglanzpolierte Aluminiumreflektoren

LUXAL... schmaler Abstrahlwinkel

LUXAL W... breiter Abstrahlwinkel

Glasklare Abdeckung

PC - Abdeckung aus Polycarbonat

KO - Opalglasabdeckung

LED

Mid Power LED

3... warmweiß 3000K

4... neutralweiß 4000K

5... tageslichtweiß 5700K

Verschaltung:

LED Konstantstromtreiber

ND - nicht dimmbar (Standard)

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Montage:

Pendelinstallation

Die Leuchten werden mit 4 Karabinerhaken zur einfachen Abhängung durch Ketten oder Seilen geliefert.

Die Leuchten werden mit einem Kabel und IP65 Verbinder ausgeliefert.

IK08 - optionale Version mit höherer Schlagfestigkeit IK08

LEDhigh-bays

Body:

White painted (RAL9003) metal sheet

Optic:

High polished aluminum reflectors

LUXAL... narrow beam

LUXAL W... wide beam

Clear glass cover

PC - polycarbonate cover

KO - opal glass cover

LED

Mid Power LED

3... warm white 3000K

4... neutral white 4000K

5... daylight 5700K

Wiring:

Constant current LED driver

ND - not dimmable (standard)

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Assembly:

Pendant installation

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

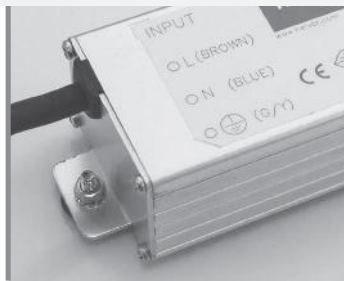
The fittings are equipped with cable with IP65 connector.

IK08 - optional version with higher resistance IK08

HAUPTVERBINDER / MAINS CONNECTOR



TREIBER / DRIVER



KARABINERHAKEN / SNAP HOOK



LED MODULE / LED MODULES



Codes: LUXAL2M4V1/2100ND

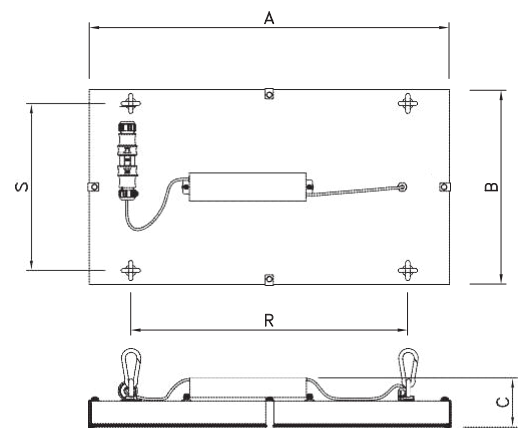
LUXAL	2	M	4	V1	/2100ND
Leuchtentyp / luminaire type LUXAL - schmaler Abstrahlw. / narrow beam LUXALW - breiter Abstrahlw. / wide beam					
Anzahl Leuchtstreifen / no. of light strips					
Gehäuselänge / body length: S = 600 mm M = 1200 mm					
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K 5 = 5700K					
Abdeckung / cover type: Glasklar / clear glass KO - Opalglas / opal glass PC - PC klar / clear polycarbonate					
Verbaute LEDs / used LEDs					
Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI					



LUXAL2M



LUXAL4M

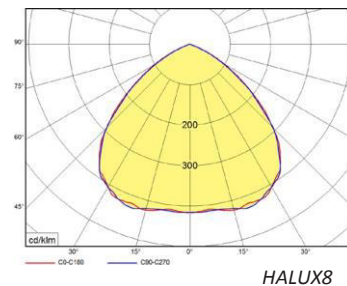
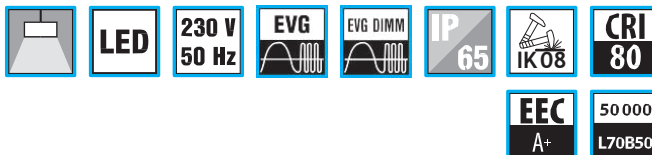


	W	lm	lm/W	A	B	C	R	S
LUXAL4S& 2100	108	11500	106	655	350	90	500	300
LUXAL2M& 2100	108	11500	106	1220	190		940	140
LUXAL4M& 4200	220	24500	111	1220	350		940	300
LUXALW4S& 2100	108	13000	120	655	350	90	500	300
LUXALW2M& 2100	108	13000	120	1220	190		940	140
LUXALW2M& 1400	70	9800	140	1220	190		940	140
LUXALW4M& 4200	220	26000	118	1220	350		940	300
LUXALW4M& 2800	140	20000	143	1220	350		940	300

&-3=3000K,4=4000K,5=5700K

lm - Lumen / luminaire light output

HALUX



HALUX8

LED Hallenstrahler

Gehäuse:

Pulverbeschichteter Aluminiumdruckguss

Optik:

KC - Klarglas Abdeckung

KO - Opalglas Abdeckung

PC - klare Polycarbonatabdeckung IK10

LED:

Mid Power LED

3... 3000K

4... 4000K

5... 5700K

Verschaltung:

ND - nicht dimmbarer LED Konstantstromtreiber

DIM - dimmbar 1-10V DC

DALI - dimmbar DALI

Bemerkung:

Lieferbar mit IK08 Schutzfolie

Lieferbar mit Notlichtfunktion

Zubehör:

HALUXKAH1 – Kettenabängeset für HALUX, 1 Aufhängungspunkt

HALUXKAH2 – Kettenabängeset für HALUX, 2 Aufhängungspunkte

LED floodlights

Body:

Die-cast aluminum

Optic:

KC - clear glass cover

KO - opal glass cover

PC - clear polycarbonate cover IK10

LED:

Mid Power LED

3... 3000K

4... 4000K

5... 5700K

Wiring:

ND - non dimmable constant current LED driver

DIM - dimmable 1-10V DC

DALI - dimmable DALI

Note:

Available with IK08 protection foil

Available with emergency module

Accessories:

HALUXKAH1 - Chain suspension set for HALUX, 1 suspension point

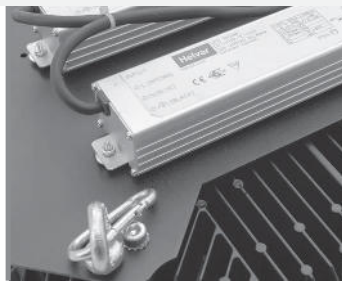
HALUXKAH2 - Chain suspension set for HALUX, 2 suspension points

HAUPTVERBINDER / MAINS CONNECTOR

RÜCKANSICHT / BACK SIDE

ABDECKUNG / COVER

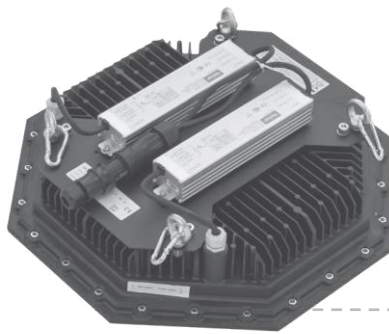
KARABINERHAKEN / SNAP HOOK



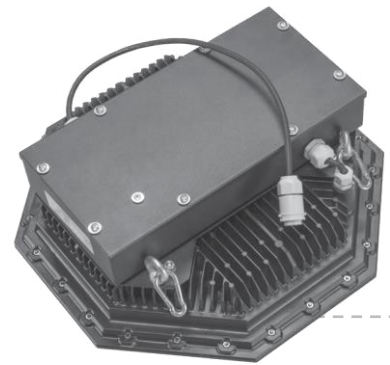
HALUX	8	KC	5	V1	/1400ND
Leuchtentyp / luminaire type					
Anzahl Leuchtmodule / no. of lighting modules					
Abdeckung / cover type: KC - Glasklar / clear glass KO - Opalglas / opal glass PC - PC klar / clear polycarbonate					
Farbtemperatur / color temperature: 3 = 3000K 4 = 4000K 5 = 5700K					
Verbaute LEDs / used LEDs					
Treibertyp / driver type: ND - nicht dimmbar / not dimmable DIM - dimmbar 1-10V / dimmable 1-10V DALI - dimmbar DALI / dimmable DALI					



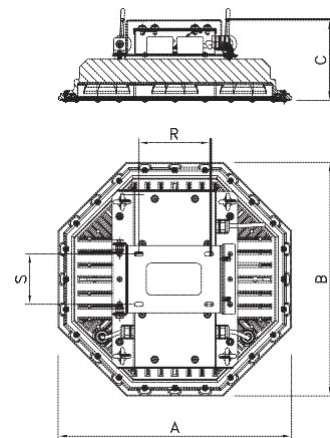
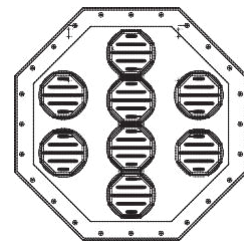
HALUX4



HALUX8 NICHT DIMMBAR /
HALUX8 NOT DIMMABLE



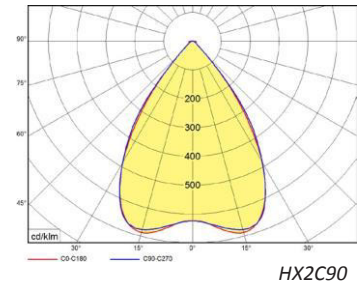
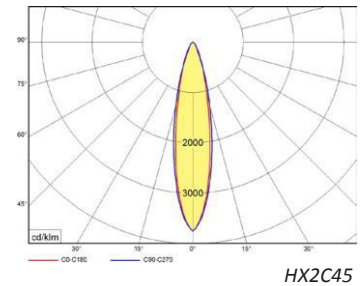
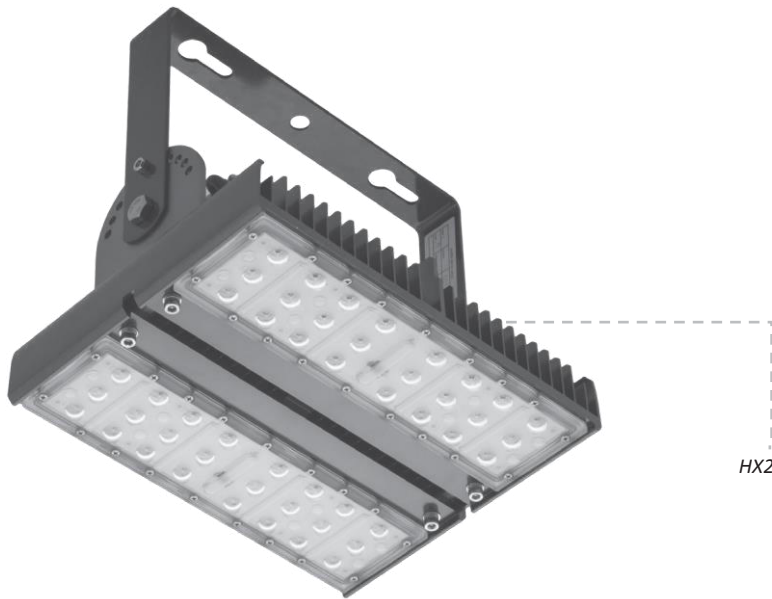
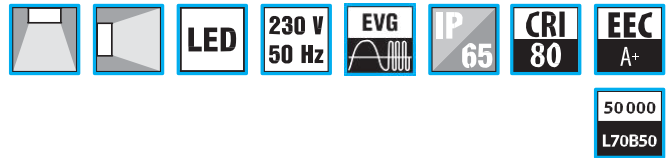
HALUX DIMMBAR /
HALUX DIMMABLE



	K	W	lm	lm/W	A	B	C	R	S
HALUX8KC	5700	180	23000	128	465	465	160	230	290
HALUX4KC		90	11500	128					

lm - Lumen / luminaire light output

HX



LED Hallen- und Außenstrahler

- Gehäuse:** Pulverbeschichteter Aluminiumdruckguss
- Optik:** Blendfreie optische Linsen
45N - schmaler Abstrahlwinkel 45°
90W - breiter Abstrahlwinkel 90°
- LED:** High power LED
5... kaltweiß 5000K
- Verschaltung:** Nicht dimmbarer LED Konstantstromtreiber

LED floodlights

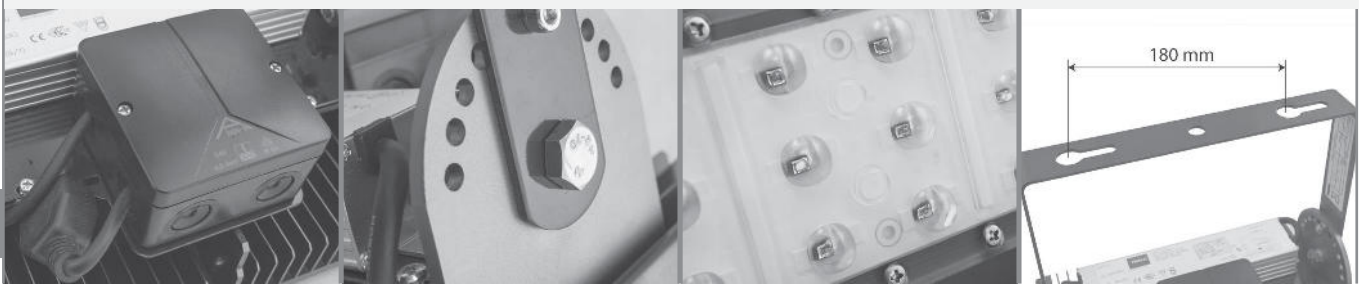
- Body:** Die-cast aluminum
- Optic:** Glare-free optic lens
45N - narrow beam 45°
90W - wide beam 90°
- LED:** High power LED
5... cold white 5000K
- Wiring:** Not dimmable constant current LED driver

ANSCHLUSSBOX / BOX WITH TERMINAL

VERSTELLBARER BÜGEL / ADJUSTABLE HOLDER

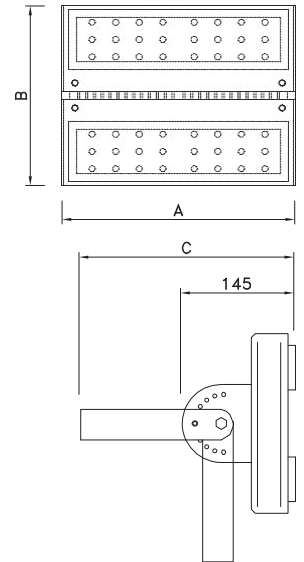
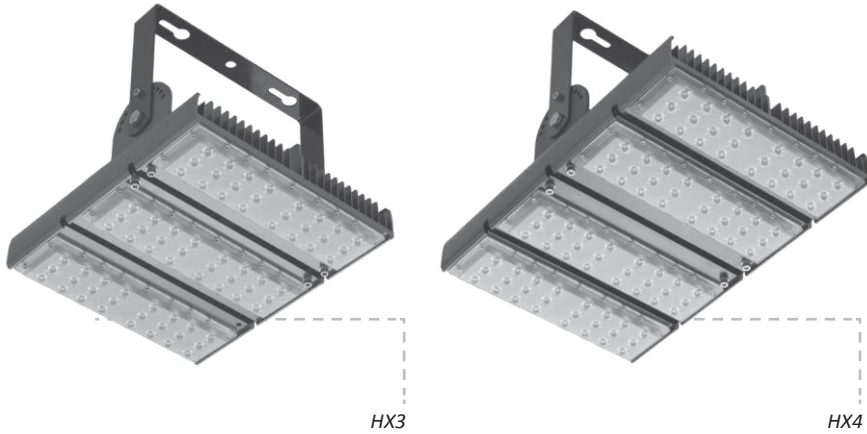
DETAILANSICHT LEDS / LEDS DETAIL

MONTAGELÖCHER / MOUNTING HOLES



Codes: HX2C45N5V1/1400ND

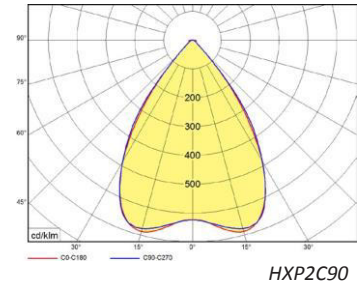
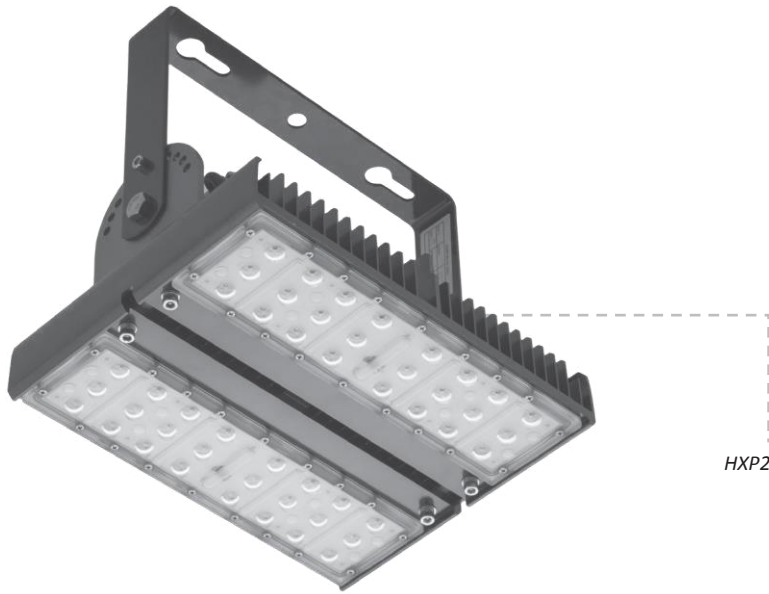
HX	2	C45N	5	V1	/1400ND
Leuchtentyp / luminaire type					
Anzahl Leuchtmodule / no. of lighting modules					
Optik / optic	C45N - schmaler Abstrahlwinkel 45° / narrow beam 45° C90W - breiter Abstrahlwinkel 90° / wide beam 90°				
Farbtemperatur / color temperature	5 = 5000K				
Verbaute LEDs / used LEDs					
Treibertyp / drivertype:	ND - nicht dimmbar / not dimmable				



	K	W	lm	lm/W	A	B	C
HX2C45	5000	110	10600	96	300	230	280
HX2C90			11200	102			
HX3C45		165	15900	96			
HX3C90			16800	102			
HX4C45		220	21200	96			
HX4C90			22500	102			

K - Farbtemperatur / color temperature

lm - Lumen / luminaire light output



LED Wachstumsleuchten

- Gehäuse:**
Pulverbeschichteter Aluminiumdruckguss
- Optik:**
Zwei LED-Module bestückt mit roten und blauen Chips
Abstrahlwinkel 90°
- Verschaltung:**
LED Konstantstromtreiber
- Anwendung:**
Gewächshäuser
- Bemerkung:**
Deckenmontage mit verstellbarem Bügel möglich

LED floodlights for greenhouses

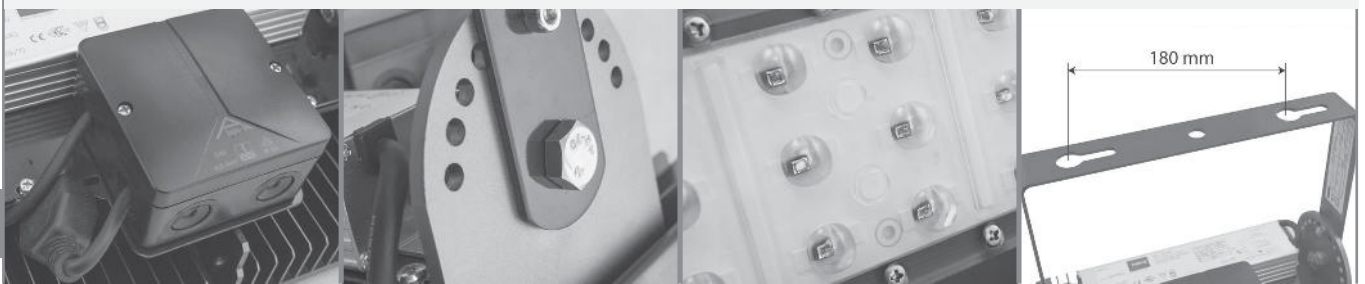
- Body:**
Die-cast aluminum
- Optic:**
Two LED modules with red and blue chips
Beam angle 90°
- Wiring:**
LED constant current driver
- Application:**
Greenhouses
- Note:**
Surface mounting with adjustable bracket possible

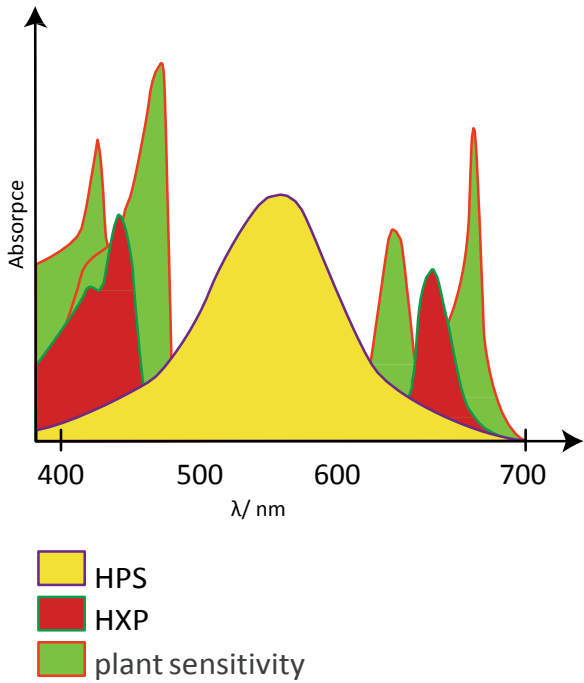
ANSCHLUSSBOX / BOX WITH TERMINAL

VERSTELLBARER BÜGEL / ADJUSTABLE HOLDER

DETAILANSICHT LEDS / LEDS DETAIL

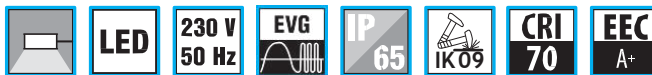
MONTAGELÖCHER / MOUNTING HOLES



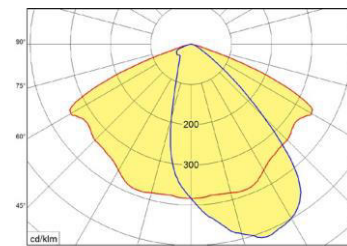


	W	kg
HXP2C45NP	96	6,0
HXP2C90WP	96	6,0

SMU



80000
L70B50



SMU5000

LED Straßenleuchten

Gehäuse:

Pulverbeschichteter Aluminiumdruckguss (RAL9006)

Optik:

Blendfreie, asymmetrische, optische Linsen
Gehärtetes Glas 5mm

LED:

High power LED
5... kaltweiß 5000K

Verschaltung:

Nicht dimmbarer LED Konstantstromtreiber

Anwendung:

Passend für Mastaufsatz von 42mm bis 60mm
Verstellbarer Neigungswinkel
Empfohlene Installationshöhe 3-6 Meter

LED streetlights

Body:

Die-cast aluminum (RAL9006)

Optic:

Asymmetric glare-free optic lens
Tempered glass 5mm

LED:

High power LED
5... cold white 5000K

Wiring:

Not dimmable LED current driver

Application:

Suitable for pole top from 42mm to 60 mm
Adjustable tilt angle
Recommended height of installation 3-6 m

FLANSCH FÜR AUSLEGER / FLANGE FOR BRACKET

FLANSCH FÜR MAST / FLANGE FOR POLE

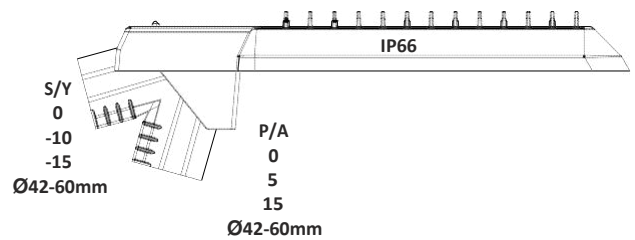
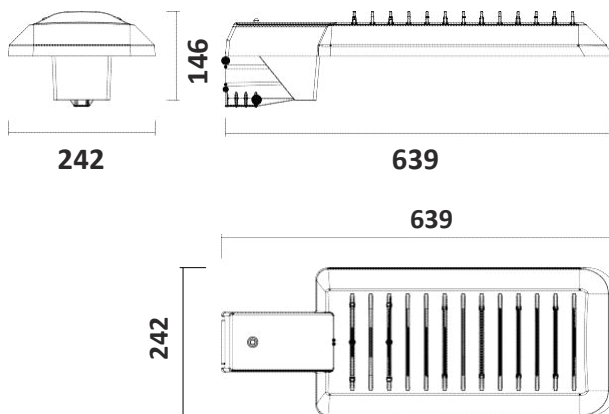
ANSICHT VON OBEN / UPPER SIDE

HAUPTVERBINDER / MAINS CONNECTOR



Codes: SMU5000V15/ND

SMU	5000	V1	5	/ND
Leuchtentyp / luminaire type	Lumen / luminaire light output lm	Verbaute LEDs / used LEDs	Farbtemperatur / color temperature: 5 = 5000K	Treibertyp / driver type: ND - nicht dimmbar / not dimmable

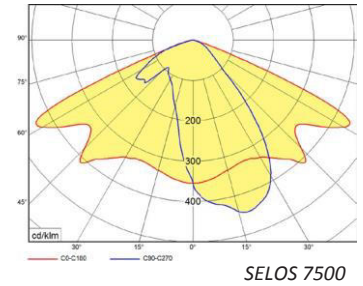
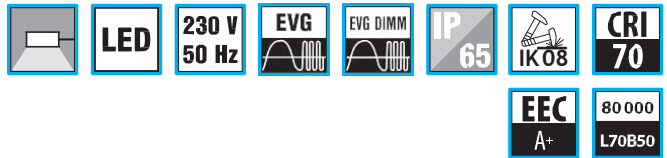


	W	lm	K	kg
SMU5000V1/ND	55	5000	5000	6,0

K - Farbtemperatur /color temperature

lm - Lumen / luminaire light output

SELOS



LED Straßenleuchten

Gehäuse:

Graues Aluminiumgehäuse, Edelstahlklammern

Optik:

OS - breiter, asymmetrischer Abstrahlwinkel
Glasabdeckung

LED:

High Power LED

Verschaltung (#):

ND - nicht dimmbar (Standard)
3DIM - dimmbarer Treiber OSRAM 3DIM

Anwendung:

OS - optimal für 6-10 Meter Masten
OSN - optimal für 4-8 Meter Masten

Bemerkung:

Universalfansch für die Mast- oder Mastauslegerinstallation,
Durchmesser 60mm

LED streetlights

Body:

Aluminium body (grey), stainless clips

Optic:

OS - wide asymmetrical beam
Glass cover

LED:

High Power LED

Wiring (#):

ND - not dimmable (standard)
3DIM - dimmable driver OSRAM 3DIM

Application:

OS - optimal for 6-10 m poles
OSN - optimal for 4-8 m poles

Note:

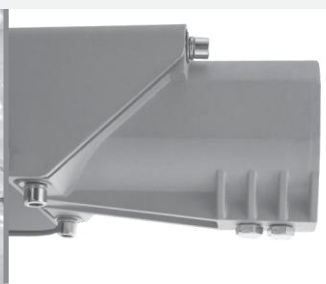
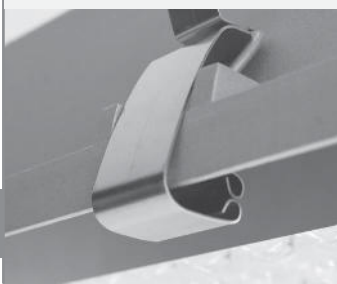
Universal mounting flange for pole or bracket installation,
diameter 60mm

VERSCHLUSS / BUCKLE

OPTISCHES SYSTEM / OPTICAL SYSTEM

FLANSCH FÜR AUSLEGER / FLANGE FOR BRACKET

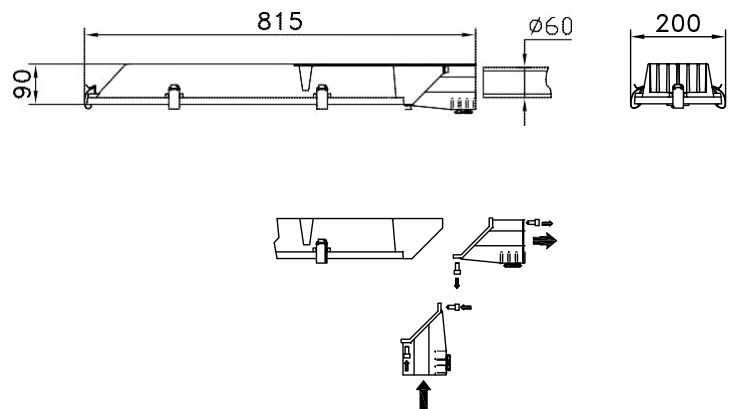
FLANSCH FÜR MAST / FLANGE FOR POLE



SELOS	5000	V1	/3DIM			
Leuchtentyp / luminaire type	Lumen / luminaire light output lm	Verbaute LEDs / used LEDs	Optik / optic: breiter Abstrahlwinkel / wide beam N - schmaler Abstrahlw. / narrow beam	Treibertyp / driver type: ND - nicht dimmbar / not dimmable 3DIM - dimmbar DALI / dimmable DALI/ STEPDIM/ ASTRODIM		

SELOS	2800	3500	5000	7500	9000
Leistung / power	28W	38W	55W	75W	103W
Lumen / luminaire light output	2900lm	4000lm	5300lm	7700lm	9200lm
Effizienz / efficiency	104lm/W	105lm/W	95lm/W	103lm/W	89lm/W
Äquivalente konventionelle Leuchten / equivalent conventional lamps*	50W	70W	70W 100W	100W	150W

* ungefährender Vergleich / approximate comparison



	W	lm	lm/W	K	kg
SELOS2500	28	2900	104	5000	6,2
SELOS3500	38	4000	105	5000	6,2
SELOS5000	55	5300	95	5000	6,2
SELOS7500	75	7700	103	5000	6,2
SELOS9000	103	9200	89	5000	6,2

SELOS - DALI - STEPDIM - ASTRODIM

OPTOTRONIC 3DIM ECGs bietet drei verschiedene Ansteuerungs- und Dimmfunktionen in einem elektronischen Vorschaltgerät:

- DALI - digitale Schnittstelle für bidirektionale Kommunikation
- StepDIM - Dimmen mithilfe einer speziellen Steuerleitung
- AstroDIM - unabhängiges Dimmen in zwei Stufen

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

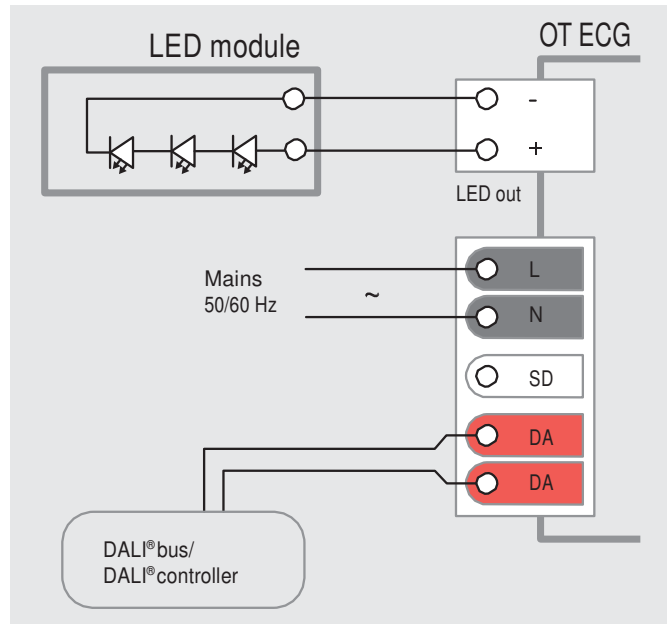
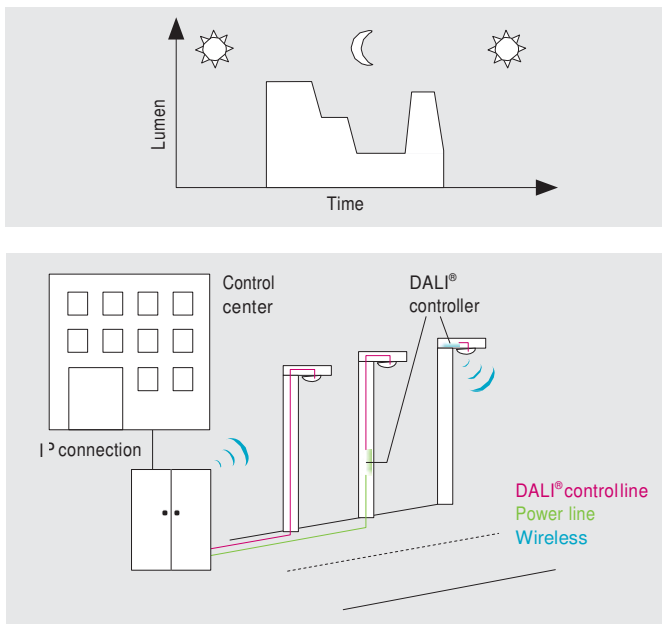
- DALI - digital interface for bi-directional communication
- StepDIM - dimming with the help of a dedicated control line
- AstroDIM - autonomous two-level dimming

DALI - digital adressierbare Beleuchtungsschnittstelle

DALI ist ein internationales Standard-Kommunikationsprotokoll für elektronische Betriebsgeräte. Es wird definiert durch die Norm IEC 62386. In Anwendungen für Straßenbeleuchtung wird DALI® für die bidirektionale Kommunikation zwischen dem EVG und Telemanagementsystemen verwendet, die eine komplett maßgeschneiderte Beleuchtung und Überwachung individueller Lichtpunkte ermöglicht.

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.

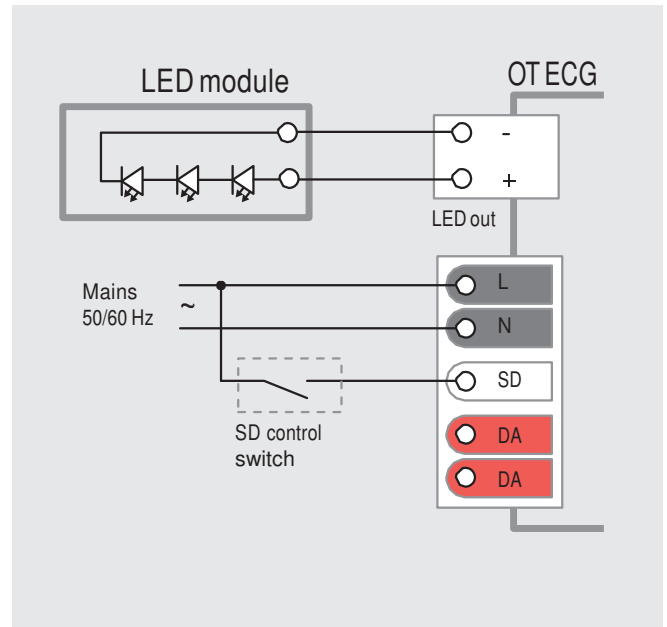
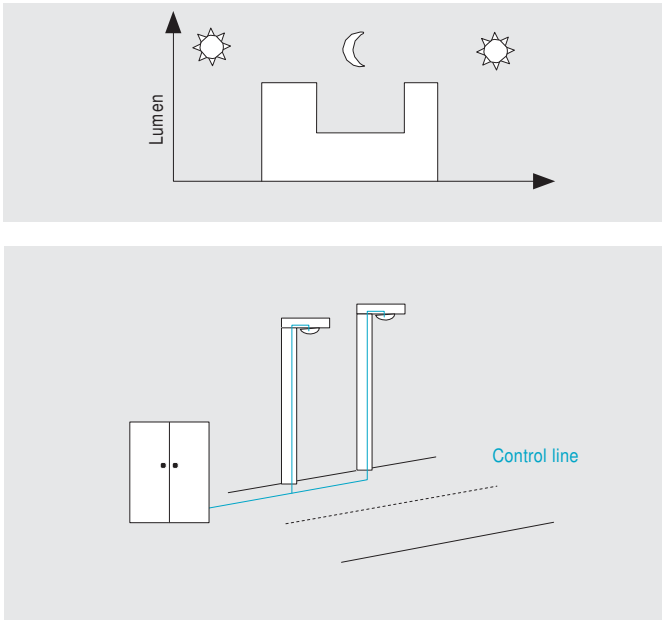


StepDIM - Stufen- / Halbnachtschaltung

StepDIM wird in Installationen verwendet, bei denen zusätzlich zur Stromleitung eine spezielle Steuerleitung (geschaltete Phase) zur Verfügung steht. Die geschaltete Phase wird über ein Relais an der SD-Anschlussklemme des 3DIM-EVGs angeschlossen und ein externer Aktuator wird zum Starten und Beenden des Dimmens verwendet. Die Dimm-Parameter (z. B. Dimmwerte und -zeiten) sind voreingestellt und können über das 3DIMTool verändert werden.

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.

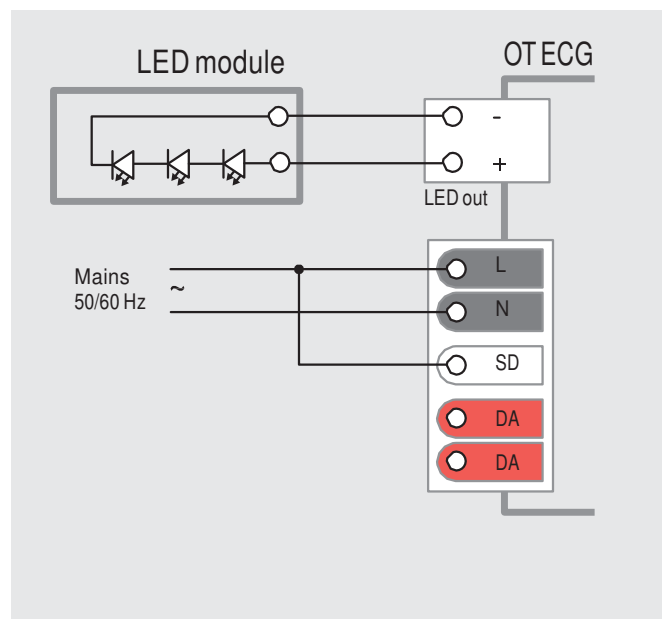
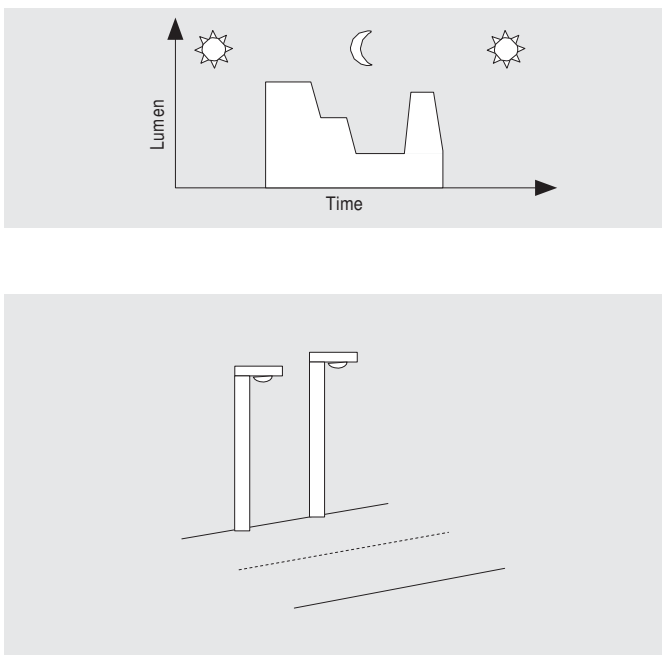


AstroDIM - autarkes Dimmen ohne externe Steuerung

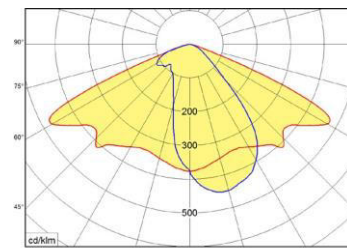
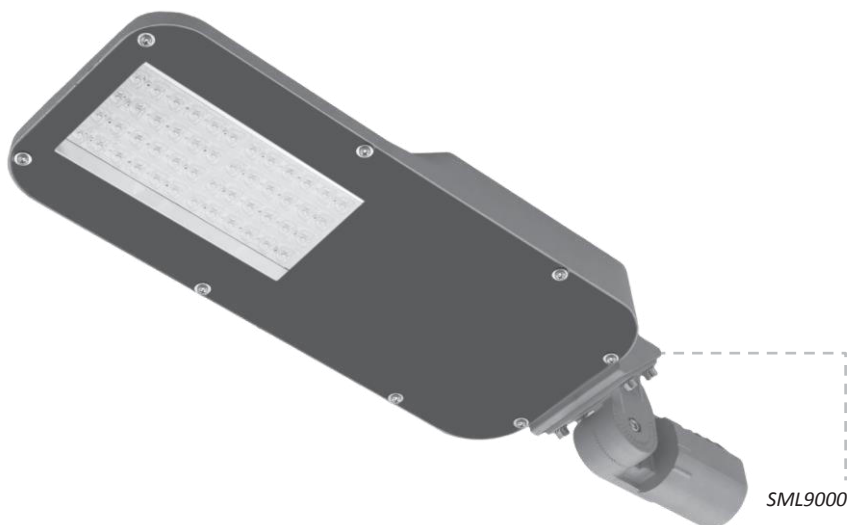
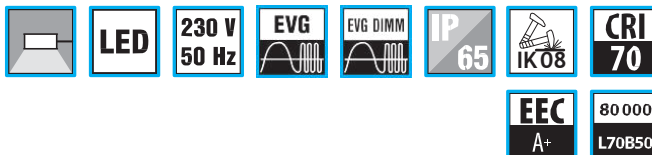
AstroDIM ist für das Dimmen ohne jegliche externe Steuerungsverdrahtung konzipiert. Daher hilft AstroDIM dabei, Energie einzusparen und Lichtverschmutzung zu reduzieren, selbst wenn nur eine Stromleitung verfügbar ist. Im AstroDIM-Betrieb führt das EVG ein voreingestelltes Dimmprofil aus, das über das 3DIM Tool neu konfiguriert werden kann. Das autarke Dimmen wird über ein integriertes Zeitstellglied reguliert (keine Echtzeituhr), welches das Dimmprofil entsprechend der letzten Nacht (Betrieb vom Ein- bis zum Ausschalten) anpasst. Mit dem 3DIM Tool ist es möglich, zwei unabhängige Dimmwerte zu aktivieren.

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.



SML



SML 9000

LED Straßenleuchten

Gehäuse:

Pulverbeschichteter Aluminiumdruckguss

Optik:

Blendfreie, asymmetrische, optische Linsen
Gehärtetes Glas 5mm

LED:

High power LED
5... kaltweiß 5000K

Verschaltung:

ND - nicht dimmbarer LED Treiber
3DIM - dimmbarer Treiber OSRAM 3DIM

Anwendung:

Passend für Mastaufsatz von 42mm bis 60mm
Verstellbarer Neigungswinkel von -30° bis +90°
Empfohlene Installationshöhe 6-14 Meter

LED streetlights

Body:

Die-cast aluminum

Optic:

Asymmetric glare-free optic lens
Tempered glass 5mm

LED:

High power LED
5... cold white 5000K

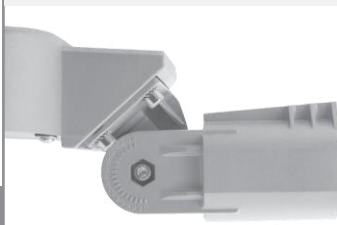
Wiring:

ND - not dimmable LED driver
3DIM - dimmable driver OSRAM 3DIM

Application:

Suitable for pole top from 42mm to 60mm
Adjustable tilt angle from -30° to +90°
Recommended height of installation 6-14m

EINSTELLBARER FLANSCH /
ADJUSTABLE FLANGE



EINSTELLBARER FLANSCH /
ADJUSTABLE FLANGE



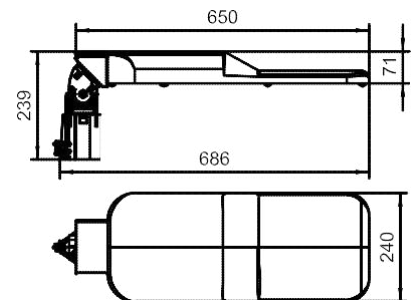
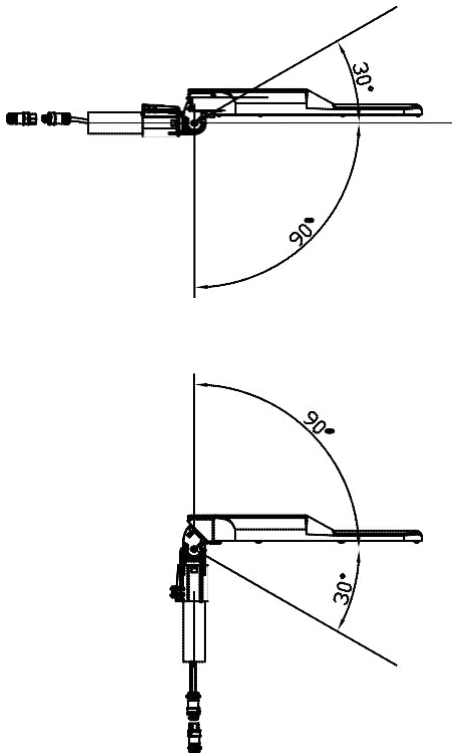
LEUCHTENPROFIL / LUMAIRE PROFILE



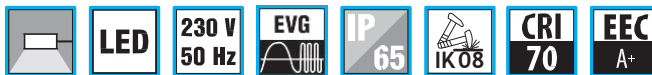
VERBINDER / CONNECTOR



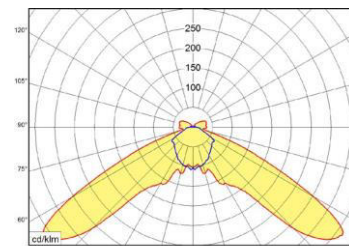
SML	5000	V1	5	/3DIM
Leuchtentyp / luminaire type				
Lumen / luminaire light output lm				
Verbaute LEDs / used LEDs				
Farbtemperatur / color temperature: 5 = 5000K				
Treibertyp / drivertype: ND - nicht dimmbar / not dimmable 3DIM - dimmbar DALI / dimmable DALI / STEPDIM / ASTRODIM				



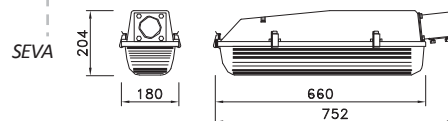
	W	lm	lm/W
SML3500	38	4000	105
SML5000	55	5300	95
SML7500	75	7700	103
SML9000	103	9200	89
SML11500	105	11000	105
SML14000	150	14100	94



50000
L70B50



SEVA



LED Straßenleuchten

Gehäuse:

Glasfaserverstärktes Gehäuse, Edelstahlklammern

Optik:

Weiß lackierter Stahlblechreflektor
SEVA - Abdeckung aus Polycarbonat
SEVAS - Glasabdeckung

Verschaltung:

LED Treiber von PHILIPS

LED:

PHILIPS, 4000K

Anwendung:

Optimal für 4-7 Meter Masten

LED streetlights

Body:

Fibre-glass body, stainless clips

Optic:

White painted steel sheet reflector
SEVA - polycarbonate cover
SEVAS - glass cover

Wiring:

LED driver PHILIPS

LED:

PHILIPS, 4000K

Application:

Optimal for 4-7 m poles

	W	lm	kg
SEVA 1100	10	1100	5,2
SEVA 1800	17	1800	5,2
SEVA 3000	30	3000	5,2

	W	lm	kg
SEVAS 1100	10	1100	5,6
SEVAS 1800	17	1800	5,6
SELAS 3000	30	3000	5,6

lm - Lumen / module light output

DETAILANSICHT ABDECKUNG / COVER
DETAIL

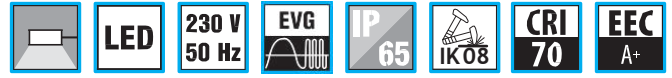
LED

VERSCHLUSS / BUCKLE

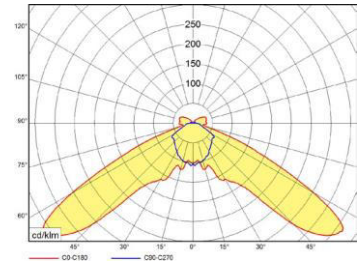
KÜHLKÖRPER / COOLER



SEVB



50 000
L70B50



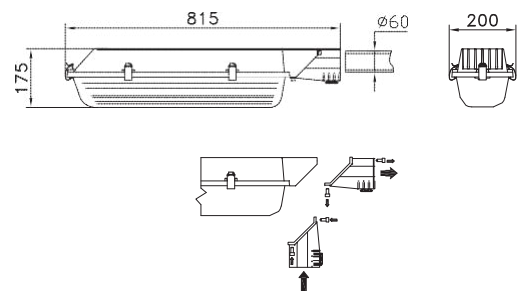
SEVB

LED Straßenleuchten

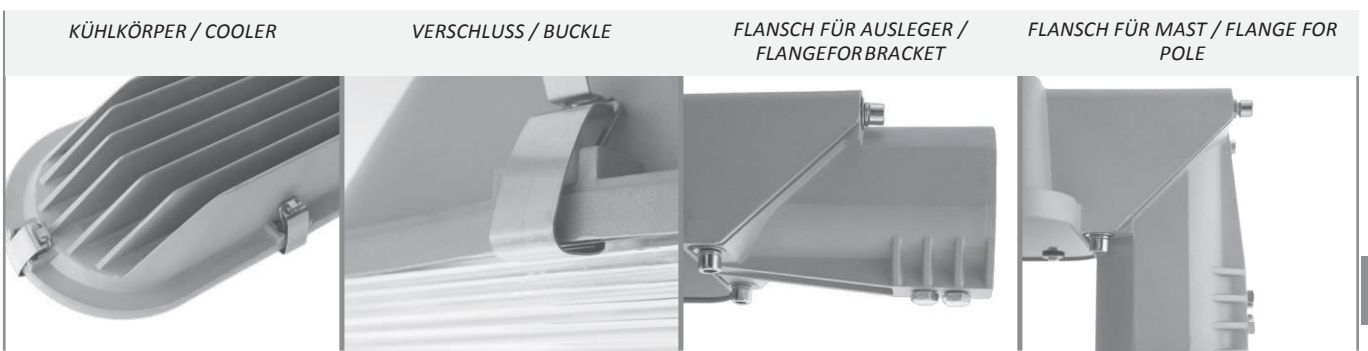
- Gehäuse:**
Graues Aluminiumgehäuse, Edelstahlklammern
- Optik:**
Abdeckung aus Polycarbonat
- Verschaltung:**
PHILIPS LED Treiber
- LED:**
PHILIPS, 4000K
- Anwendung:**
Optimal für 4-8 Meter Masten
- Bemerkung:**
Universallflansch für die Mast- oder Mastauslegerinstallation,
Durchmesser 60mm

LED streetlights

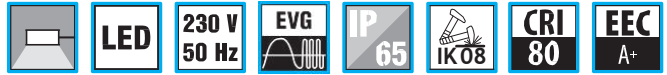
- Body:**
Aluminum body (grey), stainless clips
- Optic:**
Polycarbonate cover
- Wiring:**
LED driver PHILIPS
- LED:**
PHILIPS, 4000K
- Application:**
Optimal for 4-8 m poles
- Note:**
Universal mounting flange for pole or bracket installation,
diameter 60mm



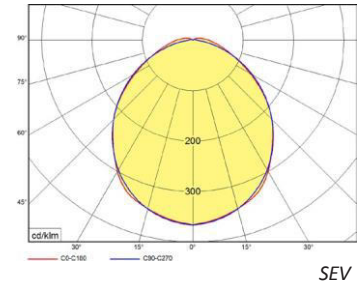
	W	lm	kg
SEVB 1800	17	1800	6,8
SEVB 3000	30	3000	6,8
SEVB 4500	44	4500	6,8



SEV



40000
L70B50



LED Straßenleuchten

Gehäuse:
Glasfaserverstärktes Gehäuse, Edelstahlklammern

Optik:
Weiß lackierter Stahlblechreflektor
SEV - opale Abdeckung aus Polycarbonat

Verschaltung:
ND - nicht dimmbarer LED Treiber

LED:
Mid Power LED 4000K

Anwendung:
Optimal für 4-7 Meter Masten

Street LED light fittings

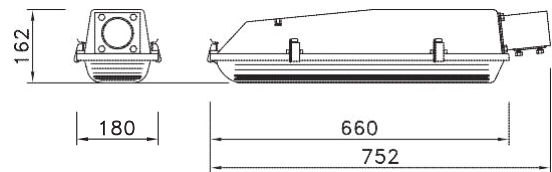
Body:
Fiber-glass body, stainless clips

Optic:
White painted steel sheet reflector
SEV - polycarbonate opal cover

Wiring:
ND - not dimmable LED driver

LED:
Mid Power LED 4000K

Application:
Optimal for 4-7 m poles



	W	lm
SEV3000N04V1/NDV60	32	3200
SEV3000N04V1/NDS60	32	3200
SEV4500N04V1/NDV60	42	4200
SEV4500N04V1/NDS60	42	4200

SEV 3000

SEV 4500

VERSCHLUSS / LOCKED BUCKLE

HAUPTVERBINDER / MAINS CONNECTOR



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