

MODUS[®]

CZECH MANUFACTURER OF LIGHTING FITTINGS

**fluorescent · discharge · emergency
lighting fittings
2014-2015**



MODUS, czech lighting manufacturer, have 20 years as an established manufacturer of lighting fixtures.

This catalog presents a product range that is only for classic lighting sources - fluorescent T8, T5 and discharge lamps or lamps with E27.

Our product range includes all luminaires for office (louvre or with cover), industrial (IP20 and IP65) and outdoor areas.

Fittings with LED sources are presented in a separate catalog. This is due to the constant evolution of technology and the technical data changes frequently, this is due to the innovation in the lighting segment.

Given this development, we also recommend you check our web presentation.

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General information

Unless noted otherwise, light fittings MODUS are delivered

- without lamps
- with capacitor (except for industrial fittings, which can be delivered as uncompensated fittings for light systems with central compensation)

Recessed fittings MODUS I, IN and IK are delivered without fixing clips for installation into gypsum plasterboard type ceiling. These clips have to be ordered extra as separate accessories.

MODUS light fittings, unless noted otherwise, are certificated for use in normal working conditions (ambient temperature t_a 25°C).

Recommendation:

We advise to use light fittings with high frequency electronic ballasts, eventually with dimmable electronic ballasts, in reference to possible savings of energy, comfort use and lower maintenance costs.



Content

1/ Recessed light fittings

– recessed direct or indirect light fittings for installation into false ceiling with visible supporting structure (modules 600x600 / 625x625) or gypsum plasterboard.



2/ Surface mounted light fittings with louvre

– surface mounted or suspended luminaires for general interior use, convenient for offices, schools, shops, ...



3/ Surface mounted light fittings with cover

– surface mounted or suspended luminaires for general interior use



4/ Pendant or surface mounted light fittings

– pendant light fittings for direct / indirect illumination



5/ Downlights

– recessed luminaires for interior spaces – hotels, halls, corridors, stores, ...



6/ Residential luminaires

– multipurpose fittings for residential areas, common rooms, corridors, ...



7/ Industrial light fittings

– IP20, IP65



8/ High bays, floodlights

– discharge lamp light units for indoor and outdoor applications



9/ Public lighting

– discharge lamp or fluorescent lamp light units




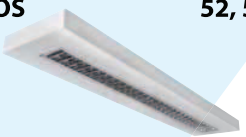
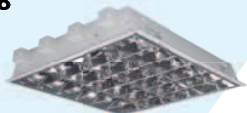







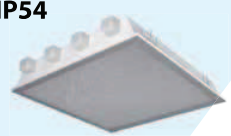




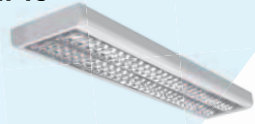


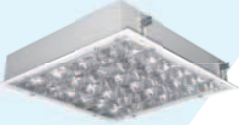



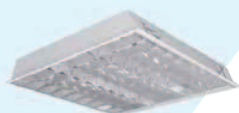



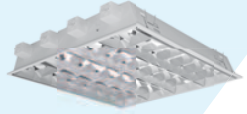
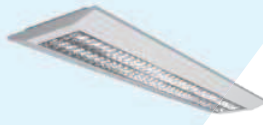


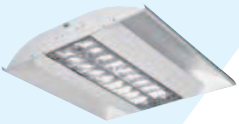

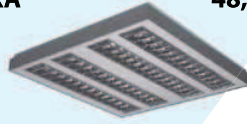

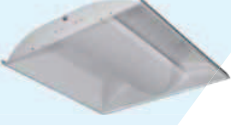









10/ Emergency lamp unit











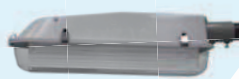













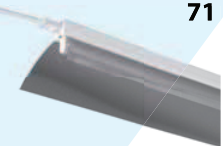

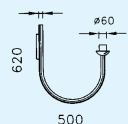

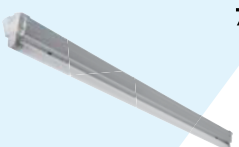
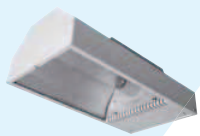


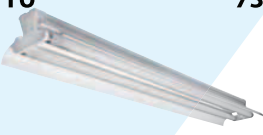



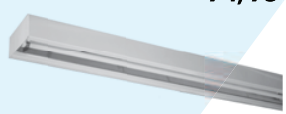





– surface mounted or recessed luminaire for emergency lighting of escape ways



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MODUS optics systems

ALDP for lamps T5

- optics system category C2 reduced brightness under 200 cd/m² in angles above 60°.
- parabolic longitudinal reflectors
- parabolic cross blades are closed for higher efficiency

version

- brightly polished aluminium (ALDP)
- matt aluminium (MATDP)
- super reflectans brightly polished aluminium MIRO (M4DP)
- fittings with this louver are designed for offices, spaces with screens and spaces with high requirements for glare control

ALDP for lamps T8

- optics system category C2 reduced brightness under 200 cd/m² in angles above 60°.

parabolic longitudinal reflectors version

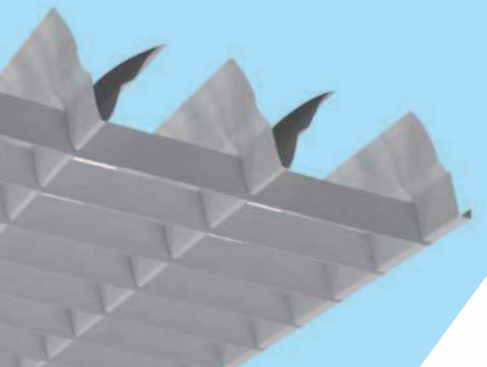
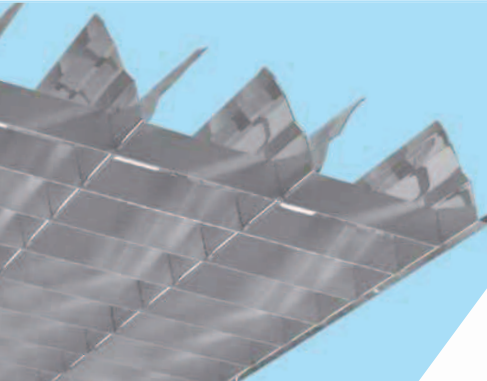
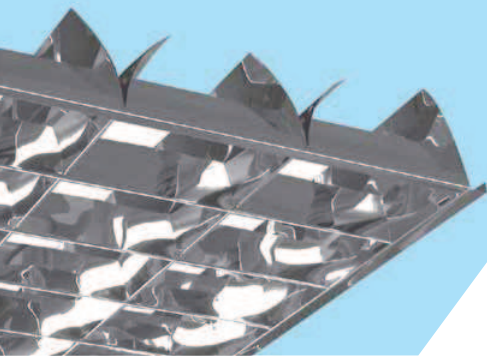
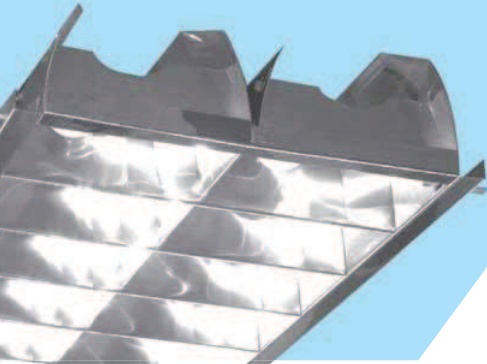
- brightly polished aluminium (ALDP)
- matt aluminium (MATDP)
- super reflectans brightly polished aluminium MIRO (M4DP)
- fittings with this louver are designed for offices, spaces with screens and spaces with high requirements for glare control

AL

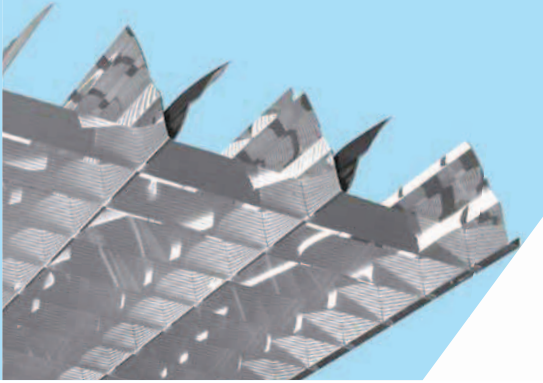
- parabolic longitudinal reflectors of brightly polished aluminium cross blades of matt aluminium fittings with this louver are designed for general spaces, as offices, shops, school classes, etc.

ALMAT

- parabolic longitudinal reflectors of matt aluminium cross blades of matt aluminium fittings with this louver are designed for general spaces, as offices, shops, school classes, etc.

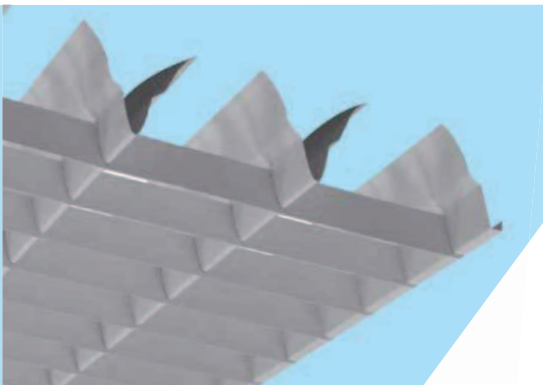


MODUS optics systems



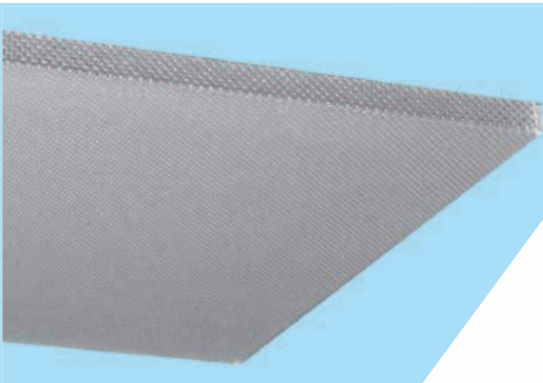
ALS

- parabolic longitudinal reflectors of brightly polished aluminium cross blades of matt aluminium with tree pattern fittings with this louver are designed for general spaces, as offices, shops, school classes, etc.



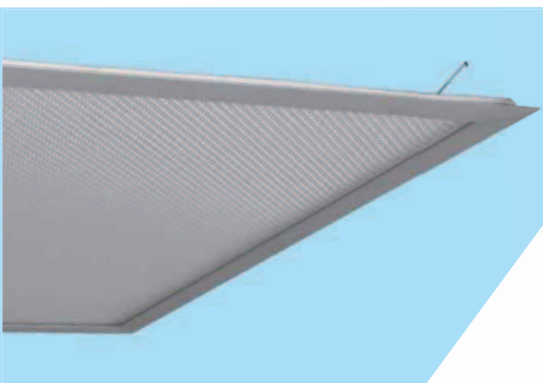
B

- parabolic longitudinal reflectors of white painted aluminium cross blades of white painted aluminium fittings with this louver are designed for shops, corridors, sanitary facilities, etc.



KO, KP

- opal or prismatic cover fittings with cover are designed for corridors, sanitary facilities, shops, etc.



KO, KP IP54

- opal or prismatic cover with aluminium frame and gasket covers can be ordered separately also, they are substitutable with standard louvre fittings with cover are designed for kitchens, sanitary facilities, etc.

IT5 A, B, C, D

Recessed louvre fittings for T5 lamps



LUMINAIRE VERSION A

Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

M4DP - double parabolic louvre category C2 of highly polished ALANOD MIRO aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of high polished aluminium with mat aluminium cross blades

ALMAT - parabolic louvre of mat aluminium

B - white parabolic louvre

Wiring (#):

EP - high frequency ballast HFB (standard)

EP5A - HFB analogue dimmable (1-10 V)

EP5D - HFB digital dimmable TRIDONIC ECO

EP5DD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

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

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

Accessories:

Fixing clips for installation into gypsum plasterboard – 54214.

Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions (@):

600 - for 600 module

625 - for 625 module

ISO - external connection board ISODOM

KIT - external connection board BJB

K - with WIELAND connector

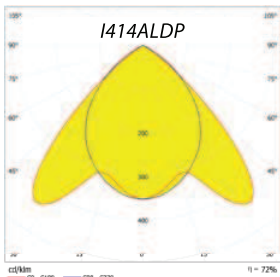
F - with flexible cor

NZ - emergency pack

EP2 - double-circuit wiring

Y - perforated cover

RAL9006 - luminaire finished in RAL9006

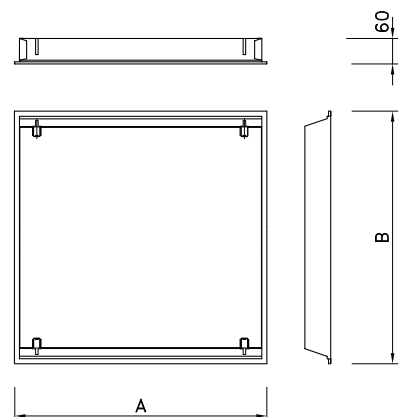


I414ALDPA



I414BA

Typ	W	Modul 600			Modul 625			kg
		A	B	□	A	B	□	
I114(24) &#@	1x14(24)	596	184	576x164	622	200	602x180	1,5
I214(24) &#@	2x14(24)	596	296	576x276	622	310	602x290	1,9
I314(24) &#@	3x14(24)	596	596	576x576	622	622	602x602	3,7
I414(24) &#@	4x14(24)	596	596	576x576	622	622	602x602	3,7
I128(54) &#@	1x28(54)	1196	184	1176x164	1246	200	1226x180	2,6
I228(54) &#@	2x28(54)	1196	296	1176x276	1246	310	1226x290	3,7
I328(54) &#@	3x28(54)	1196	596	1176x576	1246	622	1226x602	6,5
I428(54) &#@	4x28(54)	1196	596	1176x576	1246	622	1226x602	6,5
I135(49,80) &#@	1x35(49,80)	1496	184	1476x164	1546	200	1526x180	3,5
I235(49,80) &#@	2x35(49,80)	1496	296	1476x276	1546	310	1526x290	4,5
I335(49,80) &#@	3x35(49,80)	1496	596	1476x576	1546	622	1526x602	8,5
I435(49,80) &#@	4x35(49,80)	1496	596	1476x576	1546	622	1526x602	8,5



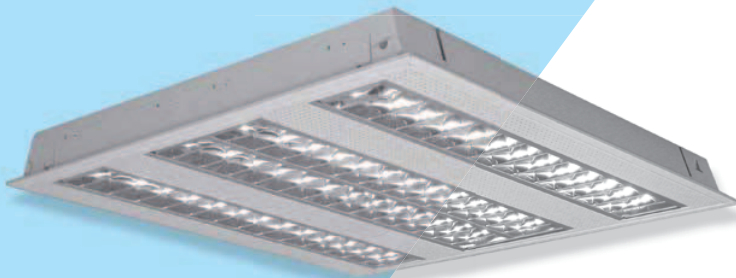
Luminaires design available:



Luminaire version B



Luminaire version C



Luminaire version D



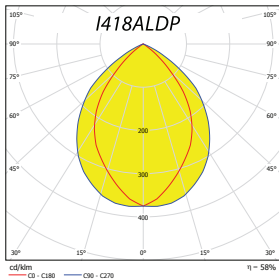
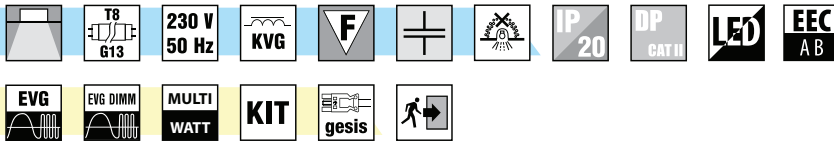
Available versions of IT5 luminaires:

		T5 14W, 24W				T5 28W, 54W				T5 35W, 49W, 80W			
		1x	2x	3x	4x	1x	2x	3x	4x	1x	2x	3x	4x
ALDP MATDP M4DP	A	+	+	+	+	+	+	+	+	+	+	+	+
	B	-	-	-	+	-	-	-	+	-	-	-	-
	C	-	+	+	+	-	+	+	+	-	+	+	+
	D	-	-	-	+	-	-	-	+	-	-	-	-
AL B ALMAT	A	+	+	+	+	+	+	+	+	+	+	+	+
	B	-	-	-	+	-	-	-	+	-	-	-	-
	C	-	+	+	+	-	+	+	+	-	-	-	-
	D	-	-	-	+	-	-	-	+	-	-	-	-

Recessed louvre fittings for T8 lamps



I418ALDP



Body:

White painted (RAL 9003) metal sheet

Optic (&):

- ALDP - double parabolic louvre category C2 of highly polished aluminium
- MATDP - double parabolic louvre category C2 of mat aluminium
- AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades
- ALMAT - parabolic louvre of mat aluminium
- B - white parabolic louvre
- ALS - parabolic louvre of highly polished aluminium with mat-ribbed cross blades
- ALSMAT - parabolic louvre of mat aluminium with mat-ribbed cross blades

Wiring (#):

- compensated, ballast cat. B (standard)
- EP - high frequency ballast HFB
- EPSA - HFB analogue dimmable (1-10 V)
- EPSD - HFB digital dimmable TRIDONIC ECO
- EPSDD - HFB digital dimmable DALI
- LED - light fitting without a ballast, ready to use LED tubes T8

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Accessories:

- Fixing clips for installation into gypsum plasterboard – 54214.
- Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions (@):

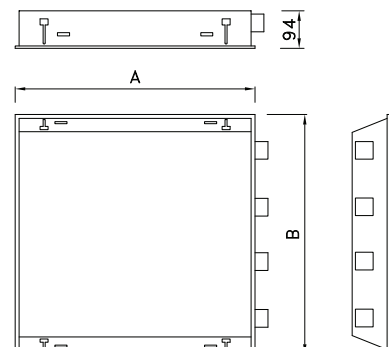
- 600 - for 600 module
- 625 - for 625 module
- ISO - external connection board ISODOM
- KIT - external connection board BJB
- K - with WIELAND connector
- F - with flexible cord
- NZ - emergency pack
- OK - double-circuit wiring

For more info see pages 22-23.

Wiring LED:

Luminaires are fitted for use with T8 LED lamps OSRAM Substitube advanced or PHILIPS LEDtube. Standard T8 fluorescent lamps cannot be used into these luminaires.

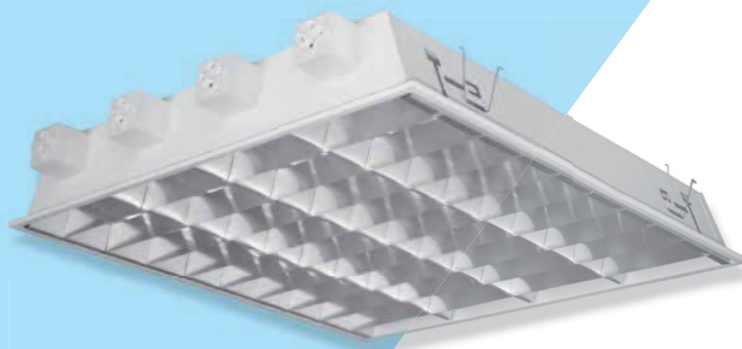
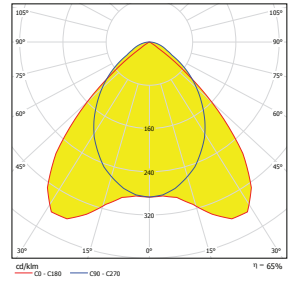
T8	W	Modul 600			Modul 625			kg
		A	B	□	A	B	□	
I118 &#@	1x18	596	184	576x164	622	184	602x164	2,1
I218 &#@	2x18	596	296	576x276	622	310	602x290	2,5
I318 &#@	3x18	596	596	576x576	622	622	602x602	4,8
I418 &#@	4x18	596	596	576x576	622	622	602x602	4,9
I136 &#@	1x36	1196	184	1176x164	1246	184	1226x164	2,9
I236 &#@	2x36	1196	296	1176x276	1246	310	1226x290	4,9
I336 &#@	3x36	1196	596	1176x576	1246	622	1226x602	9,1
I436 &#@	4x36	1196	596	1176x576	1246	622	1226x602	9,5
I158 &#@	1x58	1496	184	1476x164	1546	184	1526x164	3,9
I258 &#@	2x58	1496	296	1476x276	1546	310	1526x290	6,1
I458 &#@	4x58	1496	596	1476x576	1546	622	1526x602	12,0
LED								
IL4LED	4x10	596	596	576x576	622	622	602x602	4,8



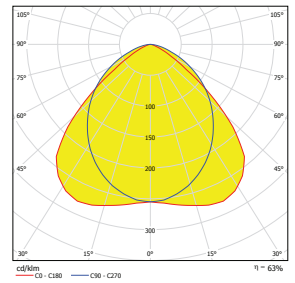
Optic system of IT8



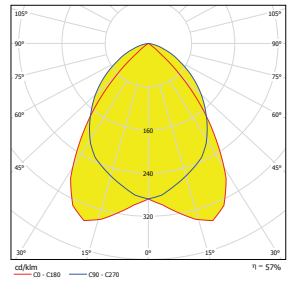
AL



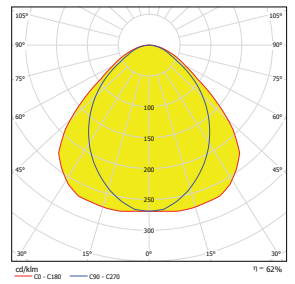
ALMAT



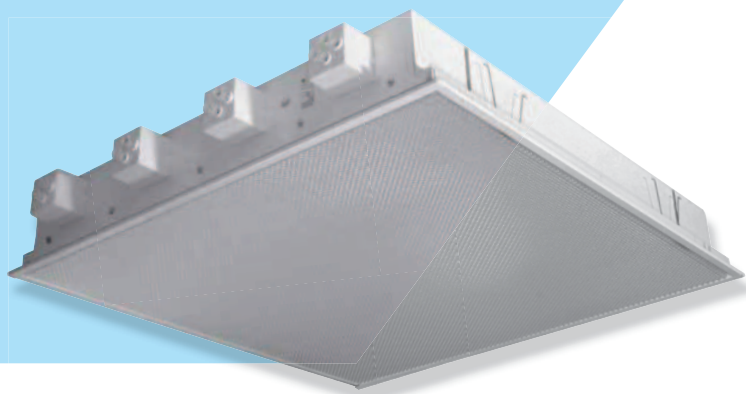
ALS



B



Recessed fittings with cover, IP40



IKP418

Body:

White painted (RAL 9003) metal sheet

Optic:

KO - opal PET cover

KP - prismatic PET cover

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB (standard for T5 lamps fittings)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Accessories:

Fixing clips for installation into gypsum plasterboard – 542141.

Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions (@):

600 - for 600 module

625 - for 625 module

ISO - external connection board ISODOM

KIT - external connection board BJB

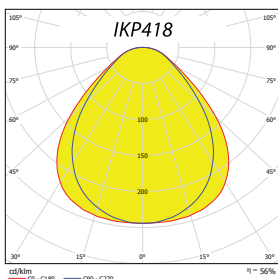
K - with WIELAND connector

F - with flexible cord

NZ - emergency pack

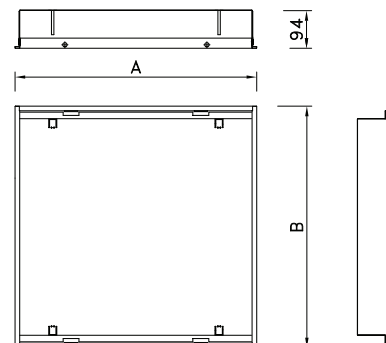
OK - double-circuit wiring

For more info see pages 22-23.

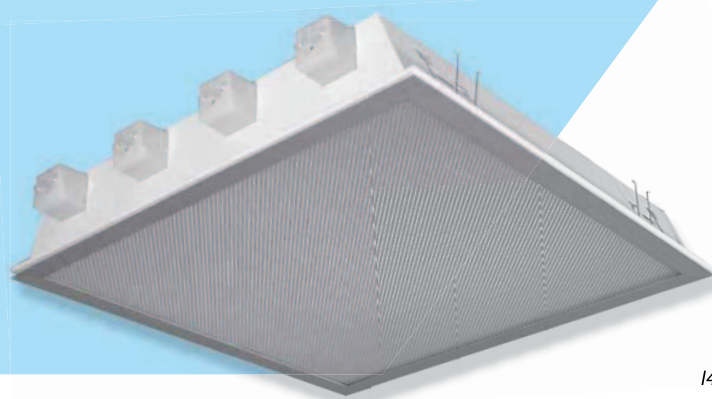


IKO228

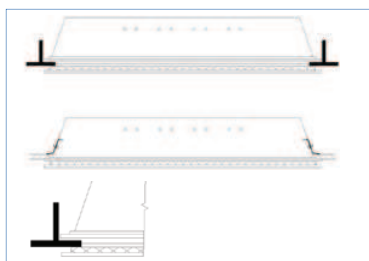
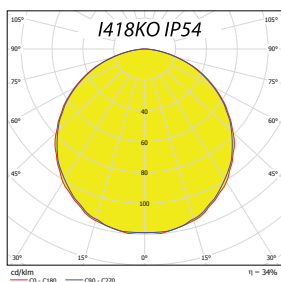
Typ	W	Modul 600			Modul 625			kg
		A	B		A	B		
IKO(P)118 #@	1x18	596	184	576x164	x	x	x	2,1
IKO(P)218 #@	2x18	596	296	576x276	x	x	x	2,5
IKO(P)318 #@	3x18	596	596	576x576	622	622	602x602	4,8
IKO(P)418 #@	4x18	596	596	576x576	622	622	602x602	4,9
IKO(P)136 #@	1x36	1196	184	1176x164	x	x	x	2,9
IKO(P)236 #@	2x36	1196	296	1176x276	x	x	x	4,9
IKO(P)158 #@	1x58	1496	184	1476x164	x	x	x	3,9
IKO(P)258 #@	2x58	1496	296	1476x276	x	x	x	6,1
IKO(P)214 (24) #@	2x14(24)	596	596	576x576	622	622	602x602	2,2
IKO(P)314 (24) #@	3x14(24)	596	596	576x576	622	622	602x602	4,0
IKO(P)414 (24) #@	4x14(24)	596	596	576x576	622	622	602x602	4,0
IKO(P)128 (54) #@	1x28(54)	1196	184	1176x164	1246	200	1226x180	2,7
IKO(P)228 (54) #@	2x28(54)	1196	296	1176x276	1246	310	1226x290	4,4
IKO(P)135 (49,80) #@	1x35(49,80)	1496	184	1476x164	1546	200	1526x180	3,6
IKO(P)235 (49,80) #@	2x35(49,80)	1496	296	1476x276	1546	310	1526x290	5,5



Recessed fittings with cover, IP54



I418KP/IP54



I418KP/IP54

Body:

White painted (RAL 9003) metal sheet

Optic:

KO - opal cover, eloxal aluminium frame

KP - prismatic cover, eloxal aluminium frame

Wiring (#):

compensated, ballast cat. B (standard for T8 lamps fittings)

EP - high frequency ballast HFB (standard for T5 lamps fittings)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Accessories:

Fixing clips for installation into gypsum plasterboard – 54214.

Versions (@):

600 - for 600 module

625 - for 625 module

ISO - external connection board ISODOM

KIT - external connection board BJB

K - with WIELAND connector

F - with flexible cord

NZ - emergency pack

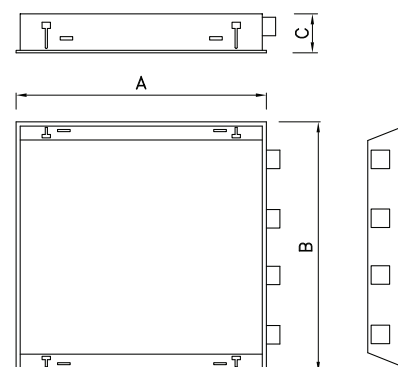
OK - double-circuit wiring

Notes:

Luminaire meets IP54 protection when installed on a ceiling, on a user side. The upper part of the luminaire (hidden above the ceiling) has IP20 protection

For more info see pages 22-23.

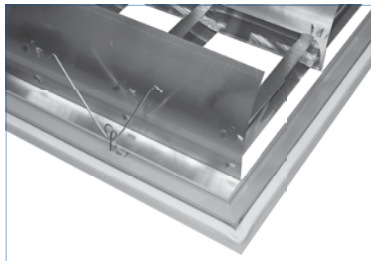
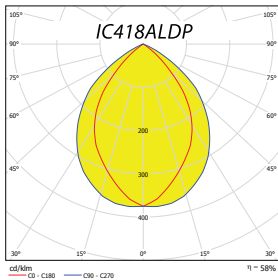
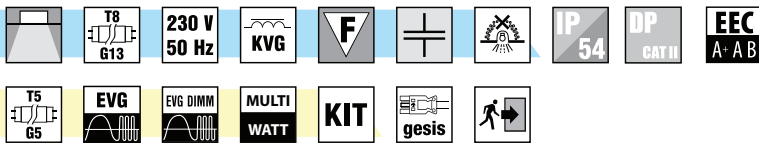
Typ	W	Modul 600			Modul 625			C	kg
		A	B		A	B			
I318KO(P)#@/IP54	3x18	596	596	576x576	622	622	602x602	94	4,8
I418KO(P)#@/IP54	4x18	596	596	576x576	622	622	602x602	94	4,9
I236KO(P)#@/IP54	2x36	1196	296	1176x276	1246	310	1226x290	94	4,9
I314 (24) #@/IP54	3x14(24)	596	596	576x576	622	622	602x602	60	4,0
I414 (24) #@/IP54	4x14(24)	596	596	576x576	622	622	602x602	60	4,0
I228 (54) #@/IP54	2x28(54)	1196	296	1176x276	1246	310	1226x290	60	4,4



Recessed louvre fittings with cover, IP54



IC418ALDP



Body:

White painted (RAL 9003) metal sheet

Optic:

ALDP - double parabolic louvre category C2 of highly polished aluminium, clear fire resistant PET cover with eloxal aluminium frame

MATDP - double parabolic louvre category C2 of mat aluminium, clear fire resistant PET cover with eloxal aluminium frame

Wiring (#):

compensated, ballast cat. B (standard for T8 lamps fittings)

EP - high frequency ballast HFB (standard for T5 lamps fittings)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Recommended for use in laboratories, hospitals, food industry,...

Accessories:

Fixing clips for installation into gypsum plasterboard – 54214.

Versions (@):

600 - for 600 module

625 - for 625 module

ISO - external connection board ISODOM

KIT - external connection board BJB

K - with WIELAND connector

F - with flexible cord

NZ - emergency pack

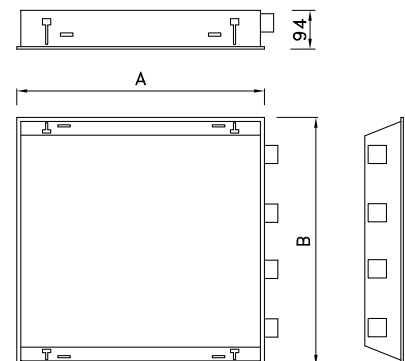
OK - double-circuit wiring

Notes:

Luminaire meets IP54 protection when installed on a ceiling, on a user side. The upper part of the luminaire (hidden above the ceiling) has IP20 protection

For more info see pages 22-23.

Typ	W	Modul 600			Modul 625			kg
		A	B		A	B		
IC418 &#amp;@	4x18	596	596	576x576	622	622	602x602	4,9
IC236 &#amp;@	2x36	1196	296	1176x276	1246	310	1226x290	4,9
IC414(24) &#amp;@	4x14 (24)	596	596	576x576	622	622	602x602	4,2



Recessed louvre fittings IP65



Body:
White painted (RAL 9003) metal sheet

Optic:
ALDP - double parabolic louvre category C2 of highly polished aluminium, toughened glass cover
MATDP - double parabolic louvre category C2 of mat aluminium, toughened glass cover

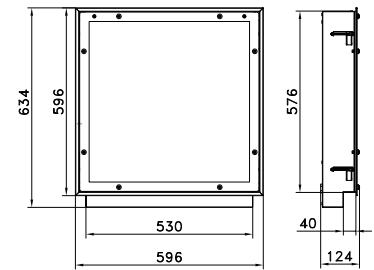
Wiring (#):
compensated, ballast cat. B (standard for T8 lamps fittings)
EP - high frequency ballast HFB (standard for T5 lamps fittings)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Application:
Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.
Recommended for use in laboratories, hospitals, food industry,...

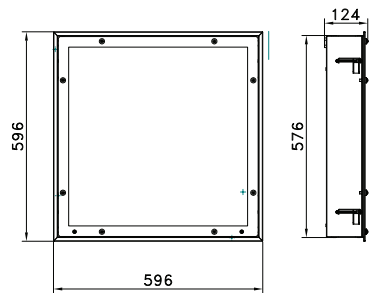
Versions (@):
600 - for 600 module
625 - for 625 module
F - with flexible cord
NZ - emergency pack
OK - double-circuit wiring

Notes:
IP65 protection applies to whole luminaire.

For more info see pages 22-23.



IP T8, MODUL 600



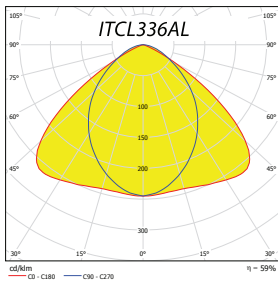
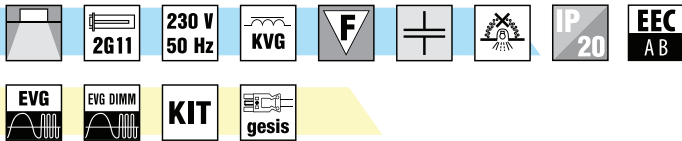
IP T5, MODUL 600

Typ	W	Modul 600			Modul 625			kg
		A	B		A	B		
IP318 &#@	3x18	596	596	576x576	622	622	602x602	9,3
IP418 &#@	4x18	596	596	576x576	622	622	602x602	9,3
IP314(24) &#@	3x14 (24)	596	596	576x576	622	622	602x602	9,0
IP414(24) &#@	4x14 (24)	596	596	576x576	622	622	602x602	9,1

Recessed louvre fittings for TC-L lamps



ITCL336AL



Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of high polished aluminium with mat aluminium cross blades

ALMAT - parabolic louvre of mat aluminium

B - white parabolic louvre

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Accessories:

Fixing clips for installation into gypsum plasterboard – 54214.

Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions:

600 - for 600 module

ISO - external connection board ISODOM


KIT - external connection board BJB

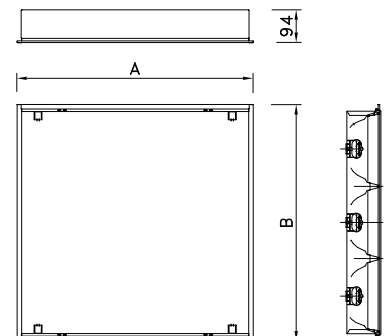
K - with WIELAND connector

F - with flexible cord

OK - double-circuit wiring

For more info see pages 22-23.

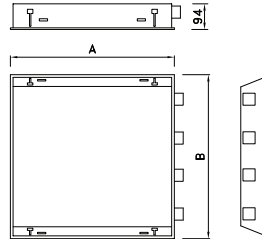
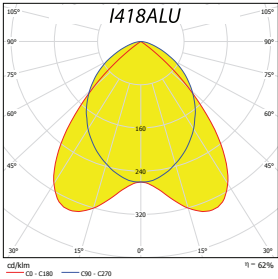
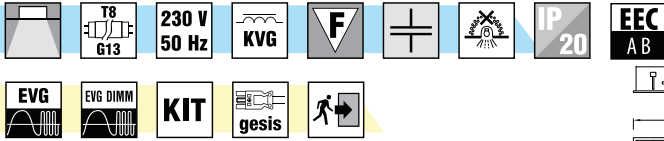
Typ	W	Modul 600			kg
		A	B		
ITCL236 &#amp;@	2x36 TC-L	596	596	576X576	3,8
ITCL336 &#amp;@	3x36 TC-L	596	596	576x576	6,0



Recessed louvre fittings for T8 lamps



I418ALU



Typ	W	Modul 600			kg
		A	B		
I418ALU#@	4x18	596	596		4,9

Body:
White painted (RAL 9003) metal sheet

Optic:
ALU - parabolic louvre of highly polished aluminium with mat aluminium cross blades

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

Wiring (#):
compensated, ballast cat. B (standard)
EP - high frequency ballast HFB
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Accessories:
Fixing clips for installation into gypsum plasterboard – 54214.
Reduction frame for installing light fitting module 600 into false ceiling module 625.

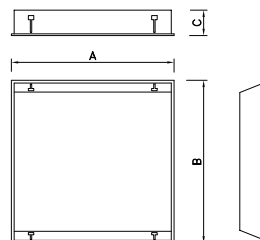
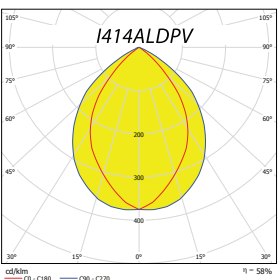
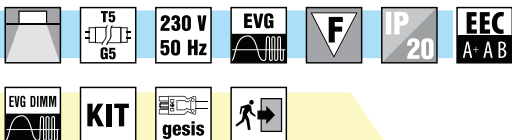
Versions (@):
600 - for 600 module
K - with WIELAND connector
F - with flexible cord
NZ - emergency pack

For more info see pages 22-23.

Recessed louvre fittings for T5 lamps



I414ALDPV



Typ	W	Modul 600			Modul 625			kg
		A	B		A	B		
I414(24)ALDP@	4x14 (24)	596	596		622	622		4,9

I ALDPV

Body:
White painted (RAL 9003) metal sheet

Optic:
ALDP - double parabolic louvre category C2 of highly polished aluminium

Wiring (#):
EP - high frequency ballast HFB (standard)
MULTIWATT - universal HFB for T5 lamps

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

Accessories:
Fixing clips for installation into gypsum plasterboard – 54214.
Reduction frame for installing light fitting module 600 into false ceiling module 625.

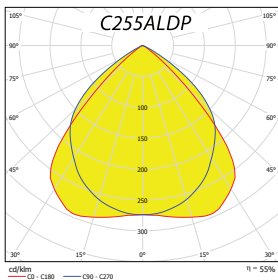
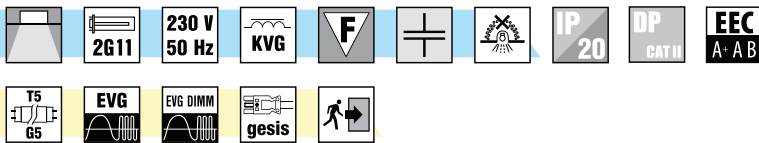
Versions (@):
600 - for 600 module
625 - for 625 module
ISO - external connection board ISODOM
KIT - external connection board BJB
K - with WIELAND connector
F - with flexible cord
NZ - emergency pack

For more info see pages 22-23.

C ALDP



C255ALDP



Recessed direct / indirect fittings

Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium, white reflectors

MATDP - double parabolic louvre category C2 of mat aluminium, white reflectors
Perforated wings along the louvre

Wiring (#):

EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

Recessed fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules). These fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Accessories:

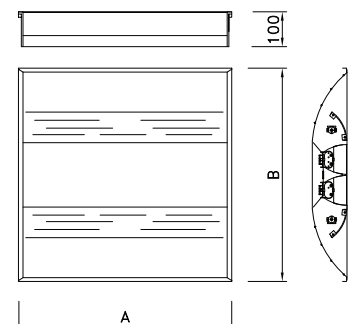
Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions (@):

600 - for 600 module
625 - for 625 module
ISO - external connection board ISODOM
F - with flexible cord
NZ - emergency pack
EP2 - double-circuit wiring

For more info see pages 22-23.

Typ	Ø	W	Modul 600		Modul 625		kg
			A	B	A	B	
C140 &#@	TC-L	1x40	596	596	622	622	3,7
C240 &#@	TC-L	2x40	596	596	622	622	3,7
C155 &#@	TC-L	1x55	596	596	622	622	3,7
C255 &#@	TC-L	2x55	596	596	622	622	3,7
C214(24) &#@	T5	2x14	596	596	622	622	2,6
C414(24) &#@	T5	4x14(24)	596	596	622	622	3,7
C255/214(24) &#@	TC-L + T5	2x55 + 2x14(24)	596	596	622	622	6,5

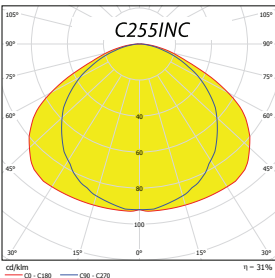
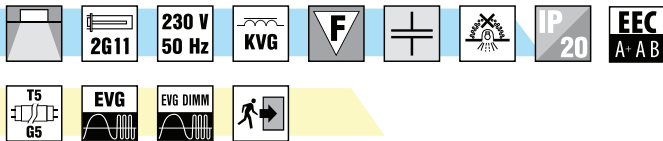


Recessed indirect fittings

C INC, C KO, C KP



C255INC



C255KP



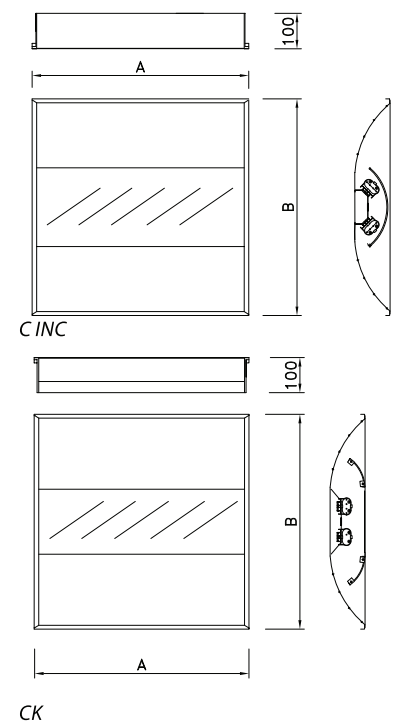
- Body:** White painted (RAL 9003) metal sheet
- Optic (&):**
 - INC - perforated lamps cover, white painted reflectors
 - KO - opal cover, white painted reflectors
 - KP - prismatic cover, white painted reflectors
- Wiring (#):**
 - compensated, ballast cat. B (with lamps TC-L 36 or 40W only)
 - EP - high frequency ballast HFB (standard)
 - EP5A - HFB analogue dimmable (1-10 V)
 - EP5D - HFB digital dimmable TRIDONIC ECO
 - EP5DD - HFB digital dimmable DALI
 - MULTIWATT - universal HFB for T5 lamps

Application: Recessed fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules).

Accessories: Reduction frame for installing light fitting module 600 into false ceiling module 625.

- Versions (@):**
 - 600 - for 600 module
 - 625 - for 625 module
 - ISO - external connection board ISODOM
 - F - with flexible cord
 - NZ - emergency pack
 - EP2 - double-circuit wiring

For more info see pages 22-23.

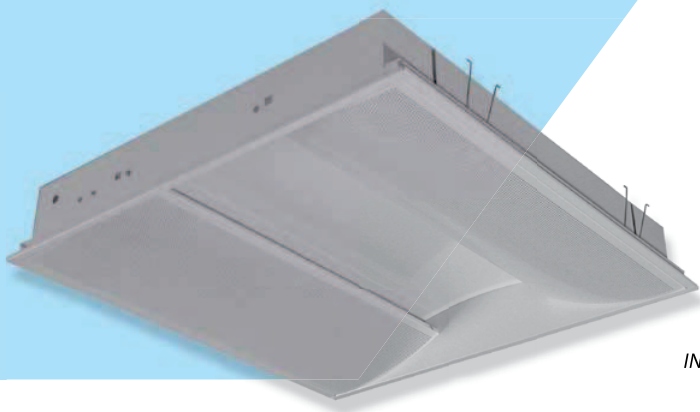


Typ	Ø	W	Modul 600		Modul 625		kg
			A	B	A	B	
C136INC #@	TC-L	1x36	596	596	622	622	3,7
C236INC #@	TC-L	2x36	596	596	622	622	3,7
C140 &#@	TC-L	1x40	596	596	622	622	3,7
C240 &#@	TC-L	2x40	596	596	622	622	3,7
C155 &#@	TC-L	1x55	596	596	622	622	3,7
C255 &#@	TC-L	2x55	596	596	622	622	3,7
C214(24) &#@	T5	2x14(24)	596	596	622	622	2,6
C414(24)KO(P) #@	T5	4x14(24)	596	596	622	622	3,7
C255/214(24)KO(P) #@	TC-L + T5	2x55 + 2x14(24)	596	596	622	622	6,5

IN, IN2



IN236



IN2C236

Recessed indirect fittings

Body:

White painted (RAL 9003) metal sheet

Optic (&):

A - closed cover with central perforated stripe, white painted reflectors

B - closed cover, white painted reflectors

C - perforated lamp cover, white painted reflectors

Wiring (#):

compensated, ballast cat. B (standard for 36W lamps)

EP - high frequency ballast HFB (standard for 55W or T5 lamps)

EPSA - HFB analogue dimmable (1-10V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

Accessories:

Fixing clips for installation into gypsum plasterboard – 542141.

Reduction frame for installing light fitting module 600 into false ceiling module 625.

Versions (@):

600 - for 600 module

ISO - external connection board ISODOM

KIT - external connection board BJB

K - with WIELAND connector

F - with flexible cord

NZ - emergency pack

For more info see pages 22-23.

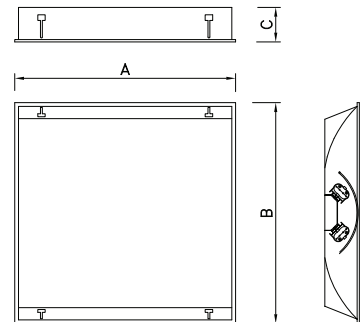


INA

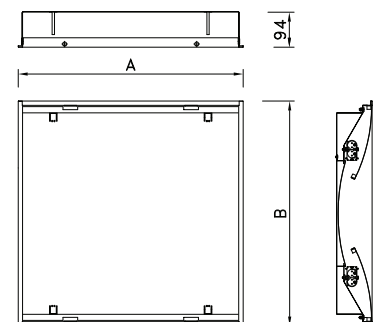


INB

Typ	⊗	W	Modul 600			kg
			A	B		
IN&136600 #@	TC-L	1x36	596	596	576x576	4,0
IN&236600 #@	TC-L	2x36	596	596	576x576	4,0
IN&140600 #@	TC-L	1x40	596	596	576x576	4,0
IN&240600 #@	TC-L	2x40	596	596	576x576	4,0
IN&155600 #@	TC-L	1x55	596	596	576x576	3,7
IN&255600 #@	TC-L	2x55	596	596	576x576	3,7
IN&114(24)600 #@	T5	1x14(24)	596	596	576x576	3,7
IN&214(24)600 #@	T5	2x14(24)	596	596	576x576	3,7
IN2C236600 #@	TC-L	2x36	596	596	576x576	4,0
IN2C240600 #@	TC-L	2x40	596	596	576x576	3,7
IN2C255600 #@	TC-L	2x55	596	596	576x576	3,7
IN2C214(24)600 #@	T5	2x14(24)	596	596	576x576	3,7

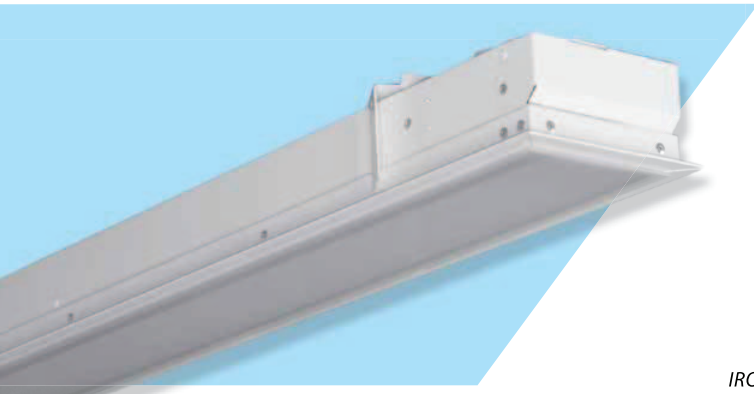


IN

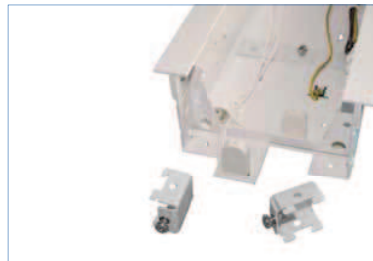
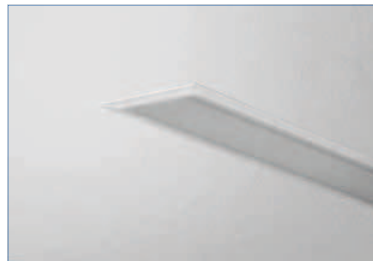
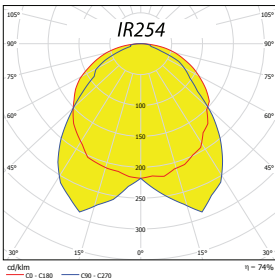
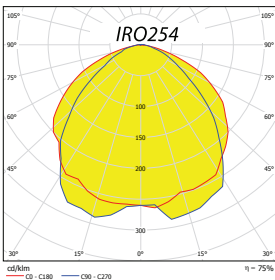


IN2





IRO228



CONNECTION PARTS IR

Recessed linear fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

AL - highly polished aluminium reflector

O - opal cover

C - prismatic cover

Wiring (#):

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

Recessed light fitting for installation into false ceiling with visible supporting structure (600x600/625x625 modules) or gypsum plasterboard.

IR luminaires can be used for solo installation or to creating of straight lighting strips

Accessories:

Opal or prismatic cover

Versions (@):

IR – fitting with highly polished aluminium reflector, without cover

IRO – fitting with highly polished aluminium reflector, with opal cover

IRC – fitting with highly polished aluminium reflector, with prismatic cover

Note:

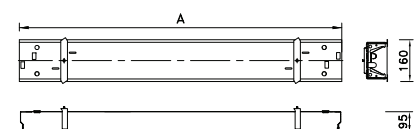
Fittings are delivered with all necessary components to connection and fixation into ceiling as standard.

Luminaires are equipped with aluminium reflector, they can be covered with opal or prismatic cover, when need

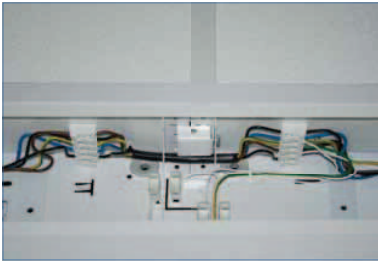
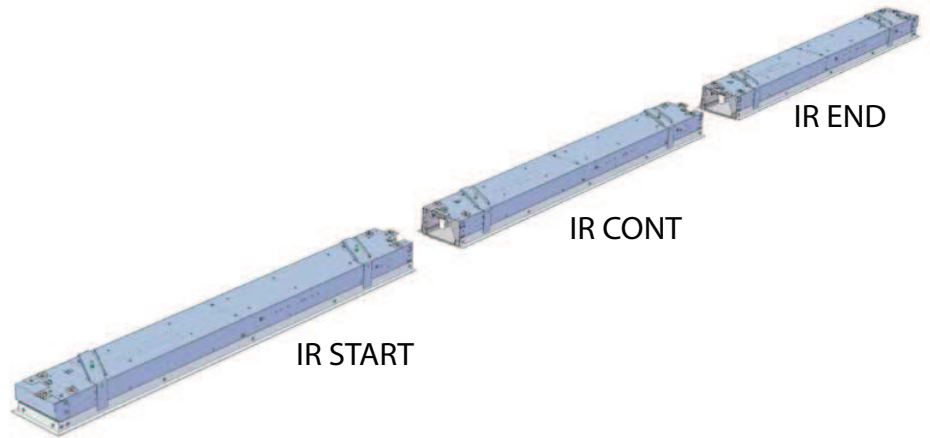
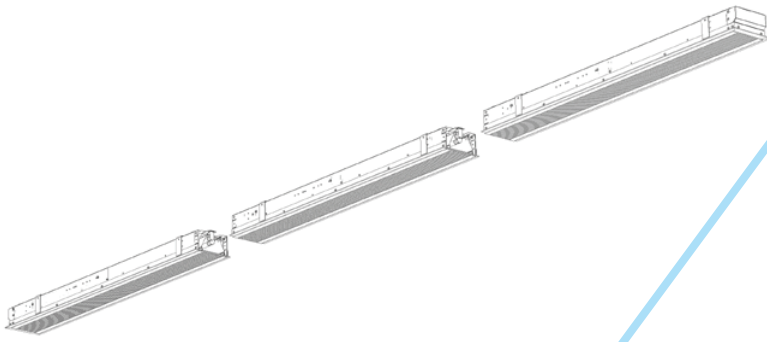
To create a light fittings line must always be used luminaires marked START and END, and the appropriate number of fixtures CONT according to the total length of line

Single installation

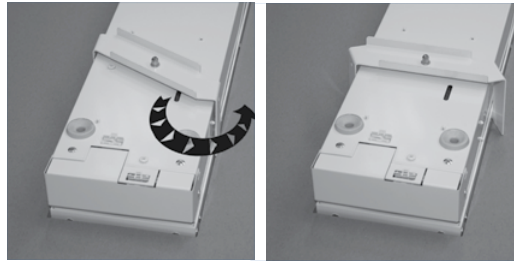
Typ	W	A	B		kg
IR&128(54) #	1x28 (54)	1240	160	1195x145	3,6
IR&135(49, 80) #	1x35 (49, 80)	1540	160	1495x145	4,6
IR&228(54) #	2x28 (54)	1240	160	1195x145	3,8
IR&235(49, 80) #	2x35 (49, 80)	1540	160	1495x145	4,8



Recessed linear fittings




WAY OF USING OF CONNECTION PARTS



WAY OF LUMINAIRE FIXATION

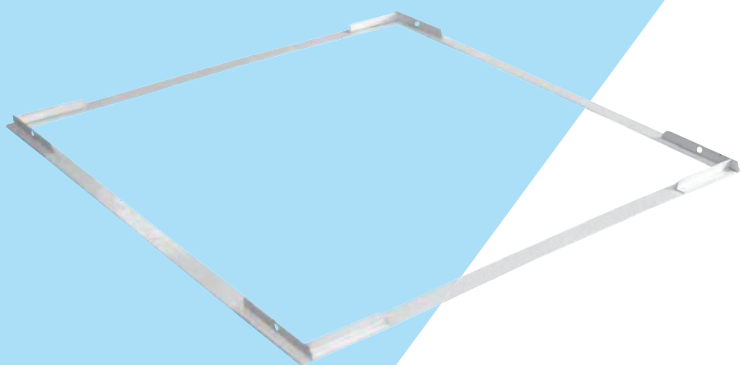
Installation to line

Typ	W	A	B		kg
IR&228(54) START#	2x28 (54)	1222	160	1195x145	3,6
IR&228(54) CONT#	2x28 (54)	1177	160	1197x145	3,1
IR&228(54) END#	2x28 (54)	1222	160	1195x145	3,6
IR&235(49, 80) START#	2x35 (49, 80)	1522	160	1495x145	4,6
IR&235(49, 80) CONT#	2x35 (49, 80)	1477	160	1477x145	4,1
IR&235(49, 80) END#	2x35 (49, 80)	1522	160	1495x145	4,6

Accessories MODUS I

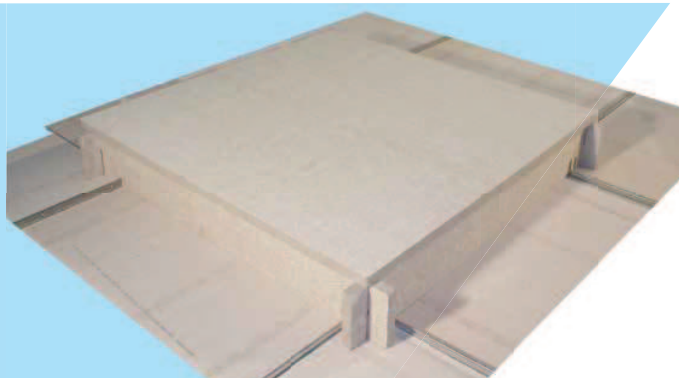
Reduction frame

Reduction frame for installing light fitting module 600 into false ceiling module 625. Only for 3x18 (14)W or 4x18 (14)W versions.



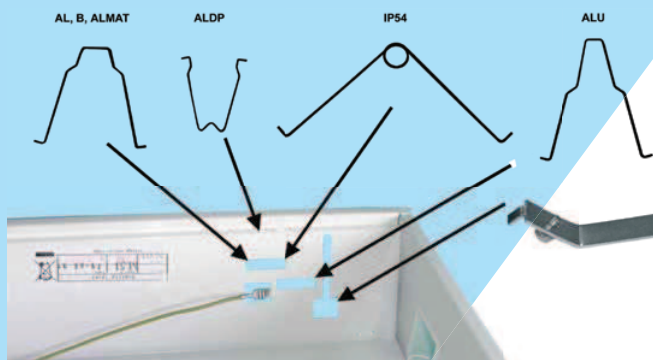
Fire resistant cover

Fire resistant cover for recessed fittings MODUS. Only for recessed fittings 600x600 mm, 600x1200 mm a 300x1200 mm (or analogic in module 625) This set has fire endurance 120 min.



Typ	Modus I
OZKRYTTL020	4x18/4x14
OZKRYTTL041	2x36/2x28(54)
OZKRYTTL436	4x36/4x28(54)

Types of springs used for MODUS I T8

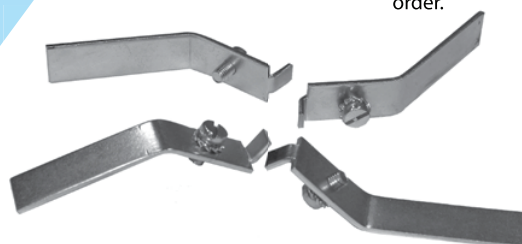


Clips set for MODUS I

Fixing clips set for installation of recessed fittings into gypsum plasterboard type ceiling. The set isn't a component part of light fitting, it has to be ordered by extra order.



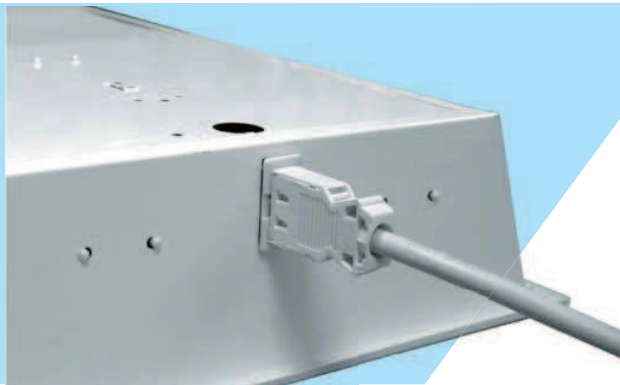
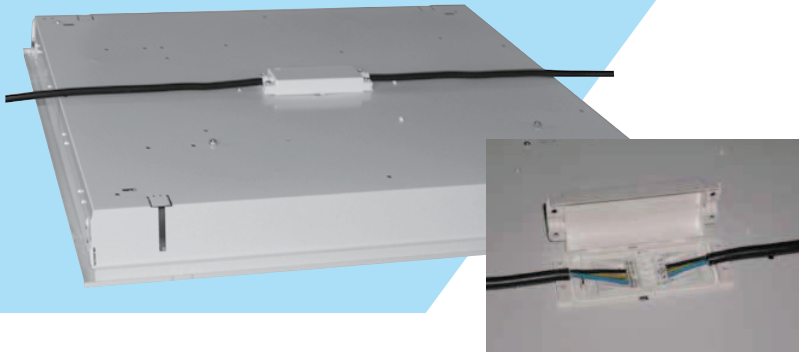
54214



542141

Order code	Type	Name	Usable for luminaires
1000004004	54214	Set of short clips	MODUS I, MODUS IN
1000004003	542141	Set of long clips	MODUS IK, MODUS IN2

Plug-in systems MODUS I, IK, IN



KIT

Special version of recessed fittings with lamps and external 5-poles terminal board (BJB box). This box enables to connect electricity cable from outside without a connector. To keep the louvre clear are the fittings covered by plastic.

ISO

Special version of recessed fittings with lamps and external terminal board ISODOM. This enables to connect electricity cable from outside without a connector. The fittings are covered by plastic to keep the louvre clear.

ISO3 for 1-phasis through wiring

ISO5 for 3-phasis through wiring or for 1-phasis through wiring of dimmable fittings

K

The fitting is equipped with 3-poles connector GESSIS recessed in a body. The basic version of fitting (labelled K) has 1 male connector. For a continuous assembly (through wiring) can be the fitting equipped with TT connector with 1 input (male) and 1 output (female) – this version is labelled 2K in the fitting code.

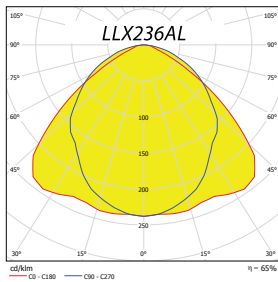
F

The fitting is equipped with 2 m flexible cord 3x1,5 mm² with standard plug. We can change the length of the cable or type of the plug (UK, WAGO, GESIS,..) on request.

Surface mounted light fittings for T8 lamps



LLX236AL



LLX418ALDP

Body:

White painted (RAL 9003) metal sheet

Optic (&):

AL - parabolic louver of highly polished aluminium with mat aluminium cross blades

B - white parabolic louver

ALDP2 - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

LED - light fitting without a ballast, ready to use LED tubes T8

Application:

These light fittings can be used as surface mounted or pendant.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

Versions (@):

NZ - emergency pack

OK - double-circuit wiring

RAL9006 - surface finished in RAL 9006

Note:

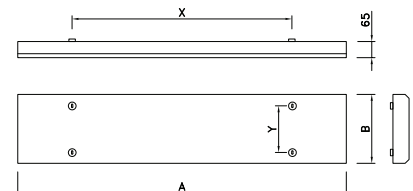
Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

Fittings equipped by magnetic ballast are recommended for industrial use only.

Wiring LED:

Luminaires are fitted for use with T8 LED lamps OSRAM Substitube advanced or PHILIPS LEDtube. Standard T8 fluorescent lamps cannot be used into these luminaires.

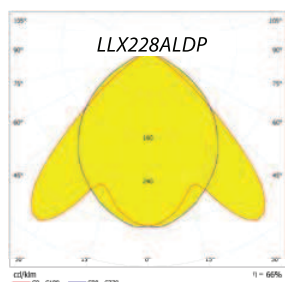
T8	W	A	B	X	Y	kg
LLX118 &#@	1x18	650	170	340	-	2,3
LLX218 &#@	2x18	650	266	340	180	2,7
LLX318 &#@	3x18	650	362	340	250	4,3
LLX418 &#@	4x18	650	457	340	360	4,7
LLX136 &#@	1x36	1260	170	950	-	3,9
LLX236 &#@	2x36	1260	266	950	180	4,8
LLX336 &#@	3x36	1260	362	950	250	7,6
LLX436 &#@	4x36	1260	457	950	360	8,6
LLX158 &#@	1x58	1560	170	1250	-	4,7
LLX258 &#@	2x58	1560	266	1250	180	6,6
LLX458 &#@	4x58	1560	457	1250	360	11,9
LED						
LLXL1LED600 &#@	1x10	650	170	340	-	2,0
LLXL2LED600 &#@	2x10	650	266	340	180	0,5
LLXL4LED600 &#@	4x10	650	457	340	360	4,0
LLXL1LED1200 &#@	1x20	1260	170	950	-	3,2
LLXL2LED1200 &#@	2x20	1260	266	950	180	4,1
LLXL1LED1500 &#@	1x25	1560	170	1250	-	4,5
LLXL2LED1500 &#@	2x25	1560	266	1250	180	5,5



Surface mounted light fittings for T5 lamps



LLX228ALDP



Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades

B - white parabolic louvre

Wiring (#):

EP - high frequency ballast HFB (standard)

EP5A - HFB analogue dimmable (1-10 V)

EP5D - HFB digital dimmable TRIDONIC ECO

EP5DD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

Versions (@):

NZ - emergency pack

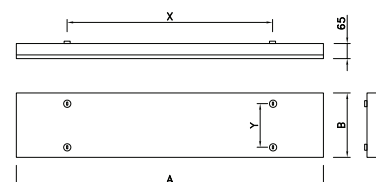
OK - double-circuit wiring

RAL9006 - surface finished in RAL 9006

Note:

Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

	W	A	B	X	Y	kg
LLX114 (24) &#@	1x14 (24)	610	153	300	-	1,7
LLX214 (24) &#@	2x14 (24)	610	238	300	150	2,6
LLX414 (24) &#@	4x14 (24)	610	410	300	330	3,4
LLX128 (54) &#@	1x28 (54)	1210	153	900	-	3,0
LLX228 (54) &#@	2x28 (54)	1210	238	900	150	4,0
LLX328 (54) &#@	3x28(54)	1210	324	900	235	5,0
LLX135 (49, 80) &#@	1x35 (49, 80)	1510	153	1200	-	4,0
LLX235 (49, 80) &#@	2x35 (49, 80)	1510	238	1200	150	5,5



Surface mounted light fittings



LLY236AL

Body:

White painted (RAL 9003) metal sheet

Optic (&):

AL - parabolic louver of highly polished aluminium with mat aluminium cross blades

B - white parabolic louver

ALDP2 - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

These light fittings can be used as surface mounted or pendant.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

Versions (@):

NZ - emergency pack

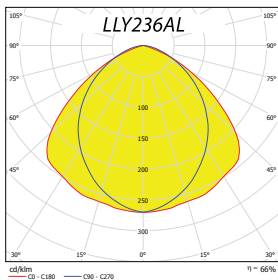
OK - double-circuit wiring

RAL9006 - surface finished in RAL 9006

Note:

Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

Fittings equipped by magnetic ballast are recommended for industrial use only.

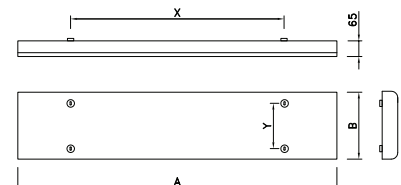


LLY418AL

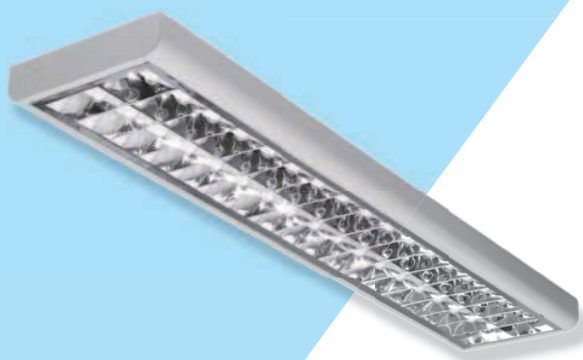


LLY236ALDPS

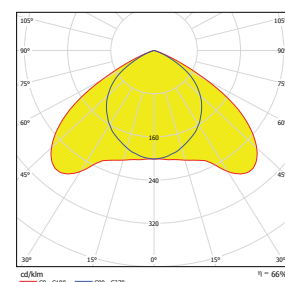
	W	A	B	X	Y	kg
LLY118 &#@	1x18	650	170	340	-	2,3
LLY218 &#@	2x18	650	265	340	180	2,7
LLY318 &#@	3x18	650	360	340	270	4,3
LLY418 &#@	4x18	650	650	340	400	4,7
LLY136 &#@	1x36	1260	170	950	-	3,9
LLY236 &#@	2x36	1260	265	950	180	4,8
LLY336 &#@	3x36	1260	360	950	270	7,6
LLY436 &#@	4x36	1260	650	950	400	8,6
LLY158 &#@	1x58	1560	170	1250	-	4,7
LLY258 &#@	2x58	1560	265	1250	180	6,6
LLY458 &#@	4x58	1560	650	1250	400	11,9



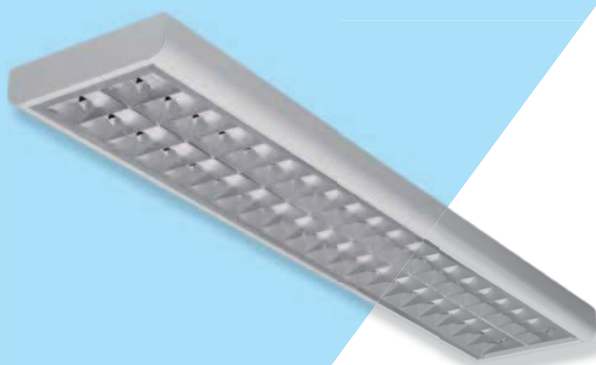
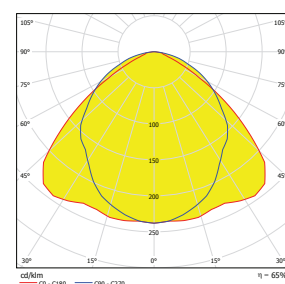
Optics systems LLY fittings



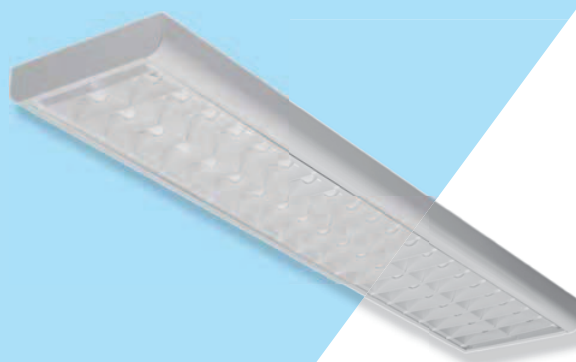
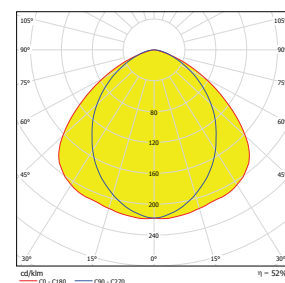
ALDP2



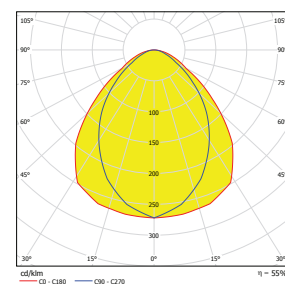
AL



ALMAT



B

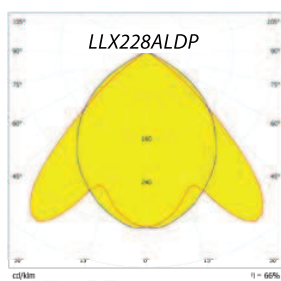


LLY T5

Surface mounted light fittings for T5 lamps



LLY228ALDP



LLY214ALDPB

Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades

B - white parabolic louvre

Wiring (#):

EP - high frequency ballast HFB (standard)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

Versions (@):

NZ - emergency pack

OK - double-circuit wiring

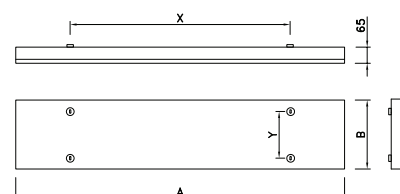
RAL9006 - surface finished in RAL 9006

Note:

Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

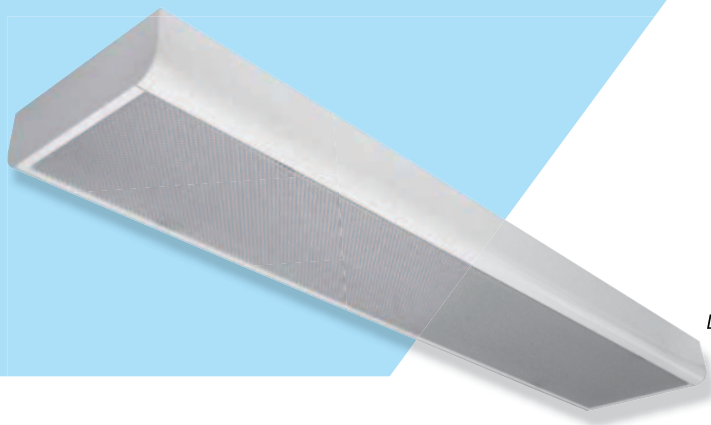
Fittings signed „B“ (2x14, 4x14) have square shape of body.

	W	A	B	X	Y	kg
LLY114 (24) &#@	1x14 (24)	610	153	380	-	1,7
LLY214 (24) &#@	2x14 (24)	610	238	380	150	2,6
LLY214 (24) &#@B	2x14 (24)	610	610	380	400	3,4
LLY414 (24) &#@	4x14 (24)	610	610	300	370	3,4
LLY128 (54) &#@	1x28 (54)	1210	153	900	-	3,0
LLY228 (54) &#@	2x28 (54)	1210	238	900	150	4,0
LLY135 (49, 80) &#@	1x35 (49, 80)	1510	153	1200	-	4,0
LLY235 (49, 80) &#@	2x35 (49, 80)	1510	238	1200	150	5,5

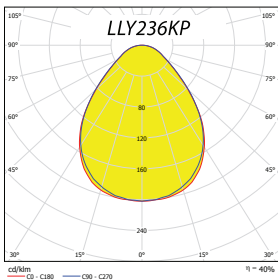


Surface mounted light fittings with cover

LLY KO, KP



LLY236KP



LLY418KO

Body:

White painted (RAL 9003) metal sheet

Optic (&):

KO - opal cover

KP - prismatic cover

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSSD - HFB digital dimmable DALI

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

Versions (@):

NZ - emergency pack

OK - double-circuit wiring

RAL9006 - surface finished in RAL 9006

Note:

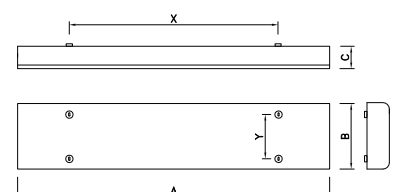
Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

Fittings equipped by magnetic ballast are recommended for industrial use only.

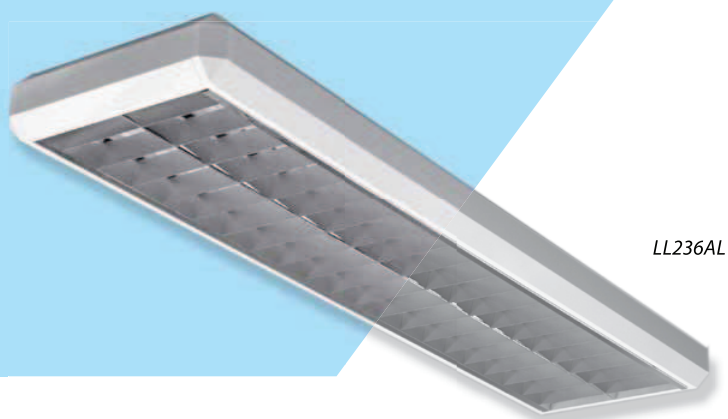
T8	W	A	B	X	Y	kg
LLY118 &#@	1x18	650	170	340	0	2,3
LLY218 &#@	2x18	650	266	340	180	2,7
LLY418 &#@*	4x18	650	650	400	400	4,7
LLY418 &1#@	4x18	650	650	400	400	4,7
LLY136 &#@	1x36	1260	170	950	0	3,9
LLY236 &#@	2x36	1260	266	950	180	4,8
LLY436 &#@*	4x36	1260	650	1000	400	8,6
LLY158 &#@	1x58	1560	170	1250	0	4,7
LLY258 &#@	2x58	1560	266	1250	180	6,6

T5	W	A	B	X	Y	kg
LLY214 (24) &#@	2x14 (24)	610	238	300	150	2,6
LLY414(24) &#@*	4x14 (24)	610	610	300	370	4,7
LLY414(24) &1#@	4x14 (24)	610	610	300	370	4,7
LLY128 (54) &#@	1x28 (54)	1210	153	900	-	3,0
LLY228 (54) &#@	2x28 (54)	1210	238	900	150	4,0
LLY135 (49, 80) &#@	1x35 (49, 80)	1510	153	1200	-	4,0
LLY235 (49, 80) &#@	2x35 (49, 80)	1510	238	1200	150	5,5

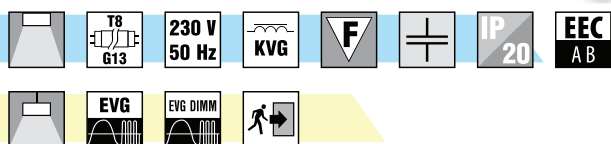
* - bipartite cover



Surface mounted light fittings for T8 lamps



LL236AL



Body:

White painted (RAL 9003) metal sheet, plastic corners

Optic (&):

AL - parabolic louver of highly polished aluminium with mat aluminium cross blades

B - white parabolic louver

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

compensated, ballast cat. B (standard)

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension

Cord suspension ZH22

Protection grid OM

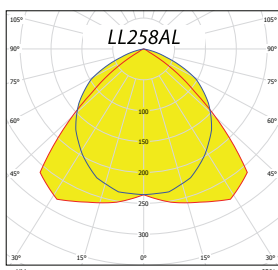
Versions (@):

NZ - emergency pack

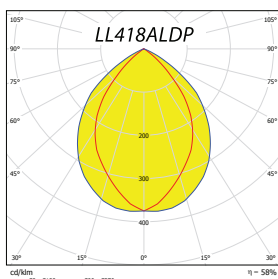
OK - double-circuit wiring

Note:

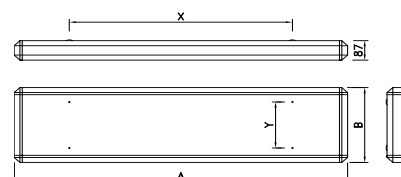
Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.



LL418ALDP



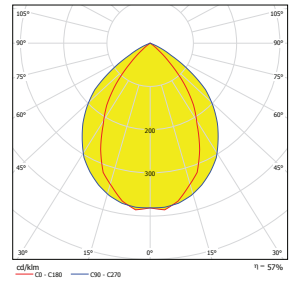
	W	A	B	X	Y	kg
LL118 &#@	1x18	660	210	450	-	1,8
LL218 &#@	2x18	660	330	465	215	2,5
LL318 &#@	3x18	660	660	450	250	4,7
LL418 &#@	4x18	660	660	450	300	4,9
LL136 &#@	1x36	1278	210	850	-	2,9
LL236 &#@	2x36	1278	330	850	215	4,9
LL336 &#@	3x36	1278	660	850	250	8,8
LL436 &#@	4x36	1278	660	850	250	9,5
LL158 &#@	1x58	1578	210	1250	-	3,9
LL258 &#@	2x58	1578	330	1250	215	6,1
LL358 &#@	3x58	1578	660	1250	250	12,5
LL458 &#@	4x58	1578	660	1250	300	14,1



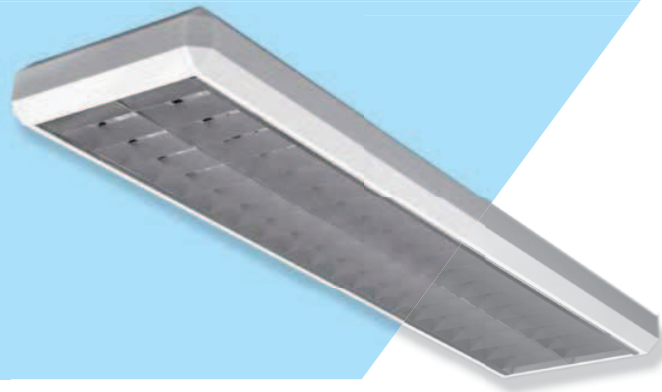
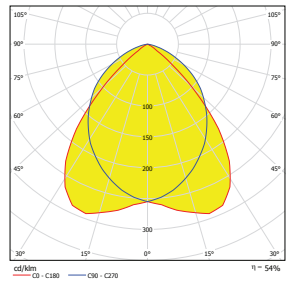
Optics systems LL fittings



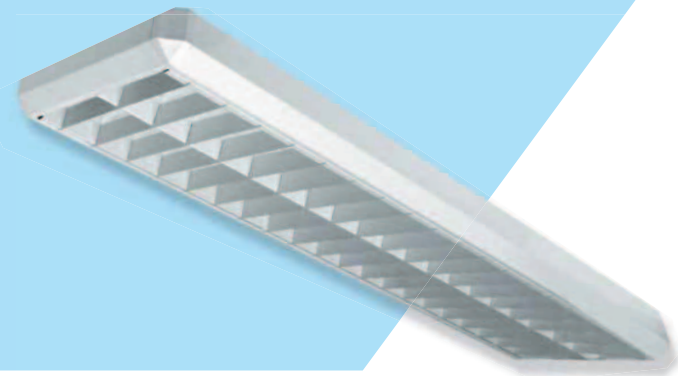
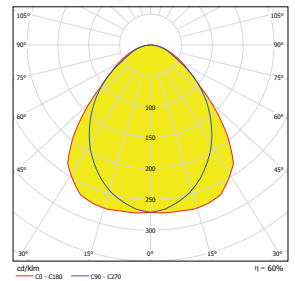
ALDP



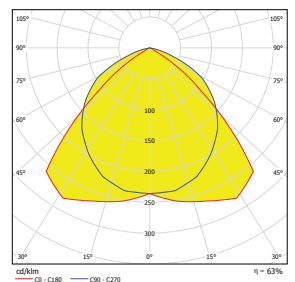
AL



ALMAT

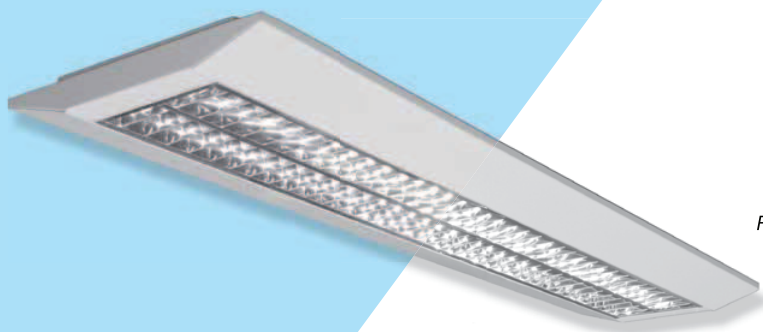


B

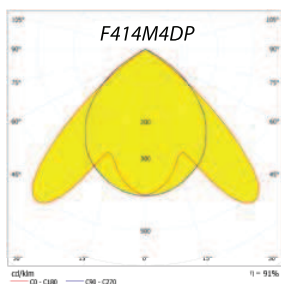


F

Surface mounted / partially recessed light fittings



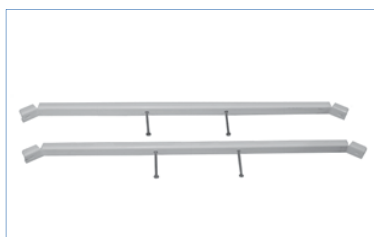
F235ALDP



F414ALDP



F414 WITH HOLDERS SET



HOLDERS SET

Surface installation

	W	A	B	X	Y	kg
F414 (24) &#@	4x14(24)	620	620	500	170	4,5
F228 (54) &#@	2x28(54)	1220	370	1040	140	7,0
F235(49, 80) &#@	2x35(49, 80)	1520	370	1340	140	8,2

Recessed installation - cut-out dimensions

	W	G	H	*
F414 (24) &#@	4x14(24)	580	580	16740040001
F228 (54) &#@	2x28(54)	1180	270	16720040001
F235(49, 80) &#@	2x35(49, 80)	1480	270	16720040001

Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

M4DP - double parabolic louvre category C2 of highly polished aluminium

Wiring (#):

EP - high frequency ballast HFB (standard)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or partially recessed into false ceiling with visible supporting structure (600x600 module) or gypsum plasterboard-type ceiling using holders set.

Fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Accessories:

Holders set 16720040001 for 2-lamps fittings

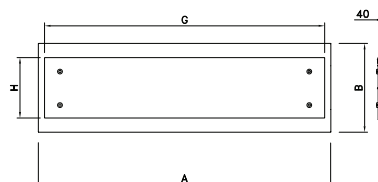
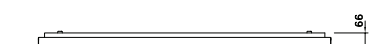
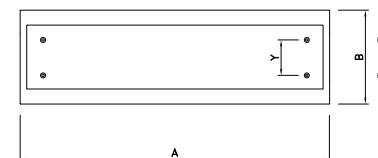
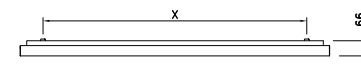
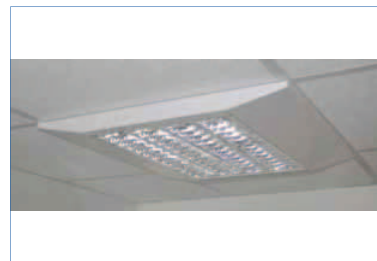
Holders set 16740040001 for 4-lamps fittings

Versions (@):

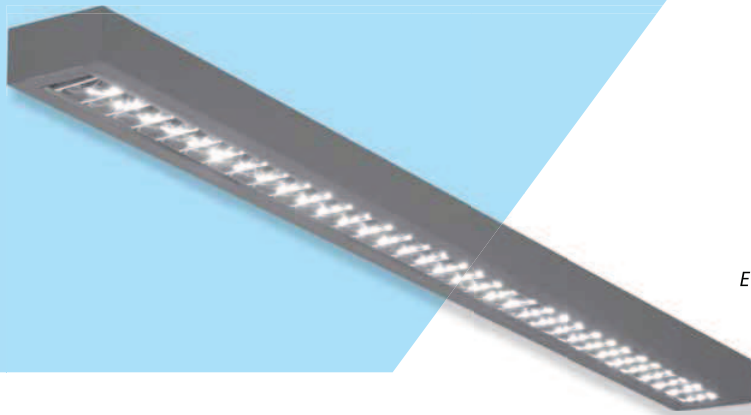
NZ - emergency pack

EP2 - double-circuit wiring

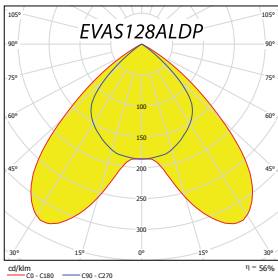
RAL9006 - surface finished in RAL 9006



Surface mounted light fittings for T5 lamps



EVAS128ALDP



Body:

Grey painted (RAL 9007) metal sheet

Optic (&):

ALDP - microlouvre category C2 of highly polished aluminium

MATDP - microlouvre category C2 of mat aluminium

Wiring (#):

EP - high frequency ballast HFB

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Cord suspension ZH11

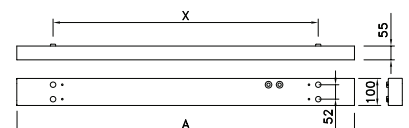
Versions (@):

B - finished in white colour RAL 9003

Note:

Luminaires are intended for surface mounting. In case of pendant installation of luminaire a suspension set has to be ordered separately.

	W	A	X	kg
EVAS114 (24) &#@	1x14 (24)	625	500	1,5
EVAS128 (54) &#@	1x28 (54)	1225	960	3,0
EVAS135 (49,80) &#@	1x35 (49,80)	1525	1260	4,0

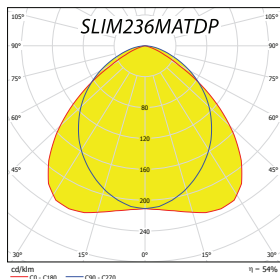
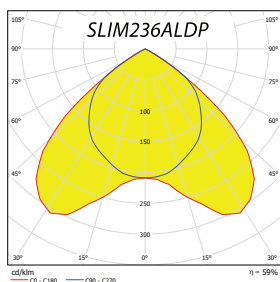


SLIM

Surface mounted / pendant light fittings



SLIM236ALDP



SLIM236REFAL



SLIM136ALDP

Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

M4DP - double parabolic louvre category C2 of highly polished ALANOD MIRO aluminium

AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades

B - white parabolic louvre

ALMAT - parabolic louvre of mat aluminium

REFAL - highly polished symmetric aluminium reflector

Wiring (#):

compensated, ballast cat. B (standard for T8 lamps)

EP - high frequency ballast HFB (standard for T5 lamps)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Cord suspension ZH22

Versions (@):

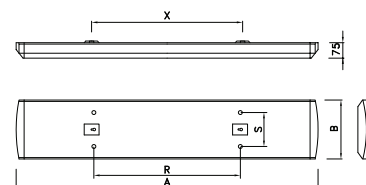
NZ - emergency pack

P - continuous assembly - through wiring 5x1,5 mm²

Note:

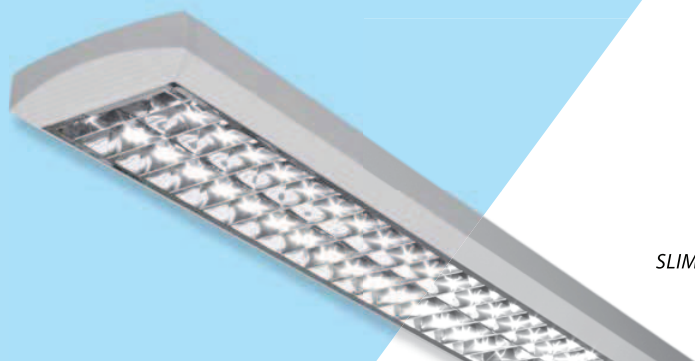
Surface mounted style of installation is recommended (X distance of fixing points on the drawing). When light fittings are suspended, they should be hung by 4 cords or tubes (R, S distance of fixing points on the drawing).

	W	A	B	X	R	S	kg
SLIM136 &#@	1x36	1300	170	650	800	69	3,7
SLIM236 &#@	2x36	1300	255	650	650	156	5,6
SLIM158 &#@	1x58	1600	170	800	900	69	4,9
SLIM258 &#@	2x58	1600	255	800	800	156	7,3
SLIM128 (54) &#@	1x28 (54)	1255	170	650	750	69	3,3
SLIM228 (54) &#@	2x28 (54)	1255	255	650	650	156	4,5
SLIM135 (49,80) &#@	1x35 (49,80)	1555	170	800	900	69	4,0
SLIM235 (49,80) &#@	2x35 (49,80)	1555	255	800	800	156	5,5

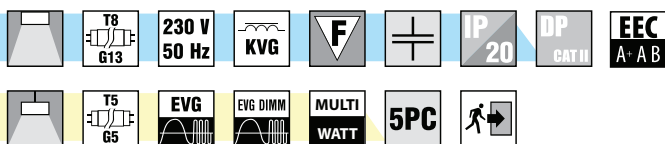


Surface mounted / pendant light fittings for installation to row

SLIM/R



SLIM236ALDP/R



Body:

White painted (RAL 9003) metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades

B - white parabolic louvre

ALMAT - parabolic louvre of mat aluminium

REFAL highly polished symmetric aluminium reflector

Wiring (#):

compensated, ballast cat. B (standard for T8 lamps)

EP - high frequency ballast HFB (standard for T5 lamps)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSSD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Cord suspension - ZH22

Endcap SLIM 1x - 4333011

Endcap SLIM 2x - 4333012

Connection part SLIM 1x - 1331004007

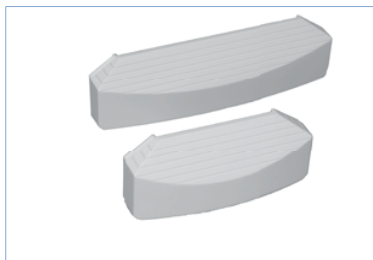
Connection part SLIM 2x - 1332004007

Note:

Fittings are equipped with through wiring 5x1,5 mm² with 5-poles terminal board on both sides of fitting. Fittings are delivered without endcaps – they have to be ordered separately (2 pcs for each row of fittings). Mounting to the ceiling is done using of connection elements in place of luminaires conjunction. In case of pendant installation of luminaires they are hung in 4 points at locations as shown (using a set of ZH22).



CONNECTION PART SLIM 2X

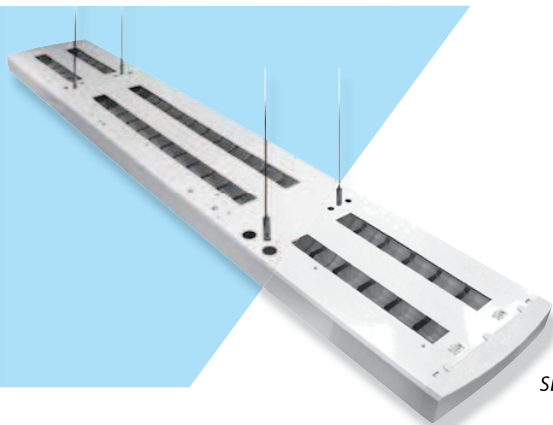


ENDCAPS SLIM

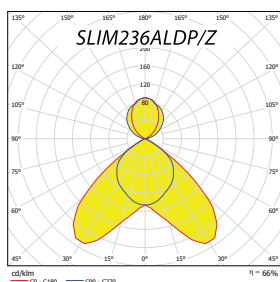
	W	A	B	R	S	kg
SLIM136 &#/R	1x36	1230	170	615	100	3,7
SLIM236 &#/R	2x36	1230	255	615	180	5,6
SLIM158 &#/R	1x58	1530	170	765	100	4,9
SLIM258 &#/R	2x58	1530	255	765	180	7,3
SLIM128 (54) &#/R	1x28 (54)	1185	170	595	100	3,3
SLIM228 (54) &#/R	2x28 (54)	1185	255	595	180	4,5
SLIM135 (49,80) &#/R	1x35 (49,80)	1485	170	745	100	4,0
SLIM235 (49,80) &#/R	2x35 (49,80)	1485	255	745	180	5,5

SLIM/Z

Pendant direct/indirect light fittings



SLIM236ALDP/Z



Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium
MATDP - double parabolic louvre category C2 of mat aluminium
M4DP - double parabolic louvre category C2 of MIRO aluminium
AL - parabolic louvre of highly polished aluminium with mat aluminium cross blades

Wiring (#):

compensated, ballast cat. B (standard for T8 lamps)
EP - high frequency ballast HFB (standard for T5 lamps)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

Suspended light fittings, also can be used for installation to rows.

Accessories:

Cord suspension - ZH22
Endcap SLIM 1x - 4333011
Endcap SLIM 2x - 4333012
Connection part SLIM 1x - 1331004007
Connection part SLIM 2x - 1332004007

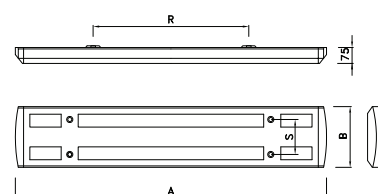
Versions (@):

NZ - emergency pack
P - continuous assembly - through wiring 5x1,5 mm²

Note:

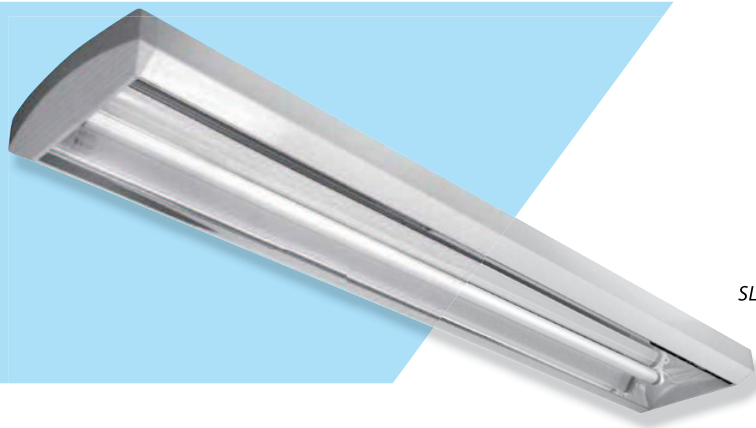
Fittings also can be used for installation to rows (SLIM /ZR). They are equipped with through wiring 5x1,5 mm² with 5-poles terminal board on both sides of the fitting. The fittings are delivered without endcaps - they have to be ordered separately (2 pcs for each row of fittings).

	W	A	B	R	S	kg
SLIM136 &#@/Z	1x36	1300	170	650	90	3,7
SLIM236 &#@/Z	2x36	1300	255	650	180	5,6
SLIM158 &#@/Z	1x58	1600	170	800	90	4,9
SLIM258 &#@/Z	2x58	1600	255	800	174	7,3
SLIM128 (54) &#@/Z	1x28 (54)	1255	170	650	90	3,3
SLIM228 (54) &#@/Z	2x28 (54)	1255	255	650	180	4,5
SLIM135 (49,80) &#@/Z	1x35 (49,80)	1555	170	800	90	4,0
SLIM235 (49,80) &#@/Z	2x35 (49,80)	1555	255	800	174	5,5



Light fittings with asymmetric reflector

SLIM AS



SLIM136AS

Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic:

AS highly polished asymmetric aluminium reflector

Wiring:

compensated, ballast cat. B (standard for T8 lamps)
EP - high frequency ballast HFB (standard for T5 lamps)
MULTIWATT - universal HFB for T5 lamps

Application:

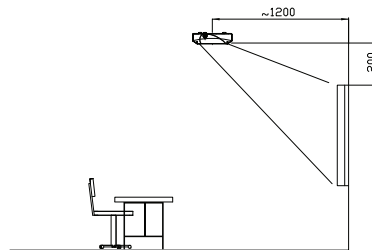
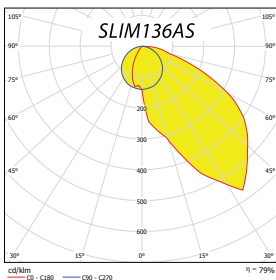
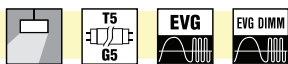
These light fittings can be used as surface mounted or suspended.

Accessories:

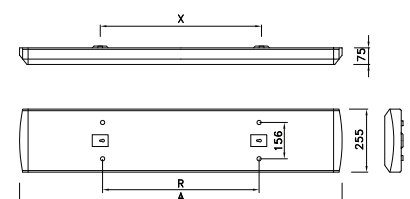
Cord suspension - ZH22

Note:

When light fitting is suspended, it should be hung by 4 cords or tubes. Fixing points are identical for both surface or pendant installation.

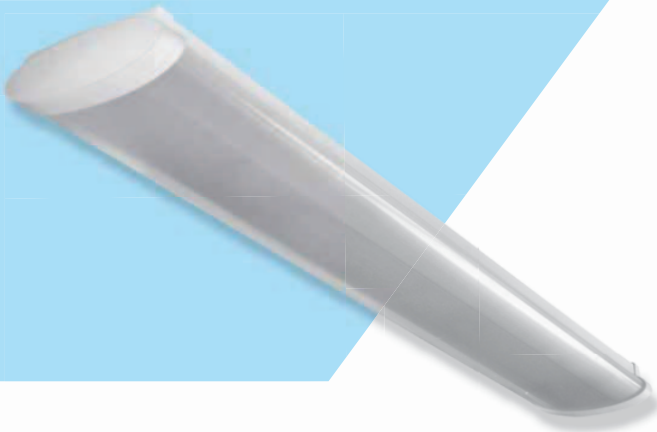


	W	A	X=R	kg
SLIM136AS#	1x36	1300	650	3,7
SLIM158AS#	1x58	1600	800	4,9
SLIM128 (54)AS#	1x28 (54)	1255	650	3,3
SLIM135 (49,80)AS#	1x35 (49,80)	1555	800	4,0



KS

Surface mounted / pendant light fittings with cover



KSC236

Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

O - opal polystyrol cover
C - prismatic polystyrol cover
S - PMMA semiopal cover

Wiring (#):

N - uncompensated, ballast cat. B
K - compensated, ballast cat. B
EP - high frequency ballast HFB
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

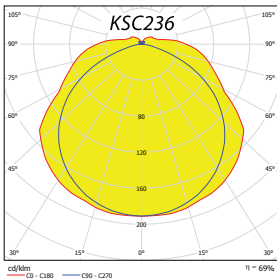
Tube suspension
Cord suspension - ZH22
Protection grid - OM
Standard endcap - 4311011
Connecting endcap - 4311012

Versions (@):

NZ - emergency pack
P - fittings for continuous assembly

Note:

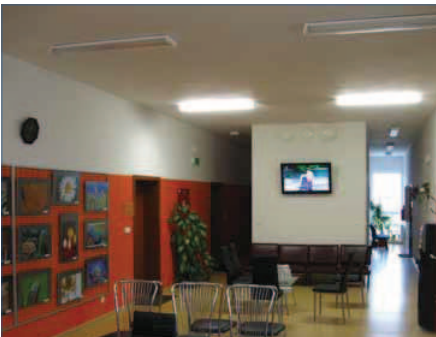
To compile rows, fittings for continuous assembly (with through wiring 5x1,5 mm²) with connecting endcaps have to be used. They are signed (/P). For ending the row, it is necessary to order extra two standard endcaps.



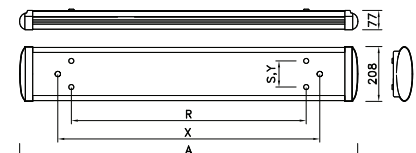
KSC 2X



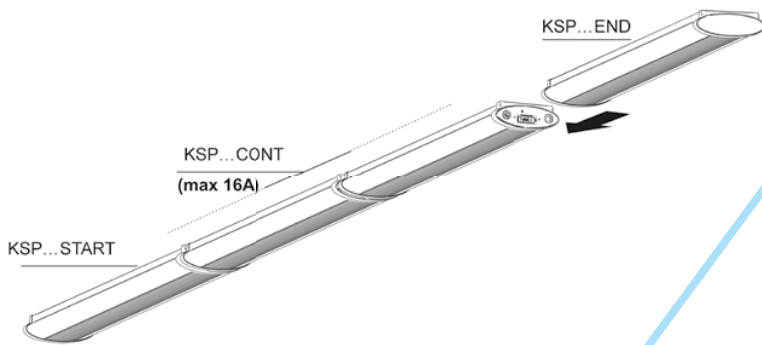
KSC 1X



	W	A	X	Y	R	S	kg
KS&118 #@	1x18	683	500	0	500	0	1,9
KS&218 #@	2x18	683	400	100	500	100	2,0
KS&136 #@	1x36	1293	800	0	850	100	3,2
KS&236 #@	2x36	1293	800	0	850	100	3,8
KS&158 #@	1x58	1593	1000	0	1000	100	4,8
KS&258 #@	2x58	1593	1000	0	1000	100	5,4
KS&114(24) #@	1x14 (24)	683	500	0	500	0	1,6
KS&214 (24) #@	2x14 (24)	683	400	100	500	100	1,6
KS&121 (39) #@	1x21 (39)	993	600	100	550	100	2,4
KS&221 (39) #@	2x21 (39)	993	600	100	550	100	2,4
KS&128 (54) #@	1x28 (54)	1293	1000	0	1000	100	3,1
KS&228 (54) #@	2x28 (54)	1293	1000	0	850	100	3,1
KS&135 (49,80) #@	1x35 (49,80)	1593	1000	0	1000	100	4,4
KS&235 (49,80) #@	2x35 (49,80)	1593	1000	0	1000	100	4,4



Surface mounted / pendant light fittings with cover, for installation to row



Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

O - opal polystyrol cover
C - prismatic polystyrol cover
S - PMMA semiopal cover

Wiring (#):

K - compensated, ballast cat. B
EP - high frequention ballast HFB

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension
Cord suspension - ZH22
Standard endcap - 4311011
Connecting endcap - 4311012

Note:

These light fittings are supplied with connecting endcaps with connectors.
Through wiring (continuous assembly) is made for one phase (3x 1,5 mm²).
The row can be compiled by START, CONT and END fittings:
KSP START - contains terminal block, 1 standard endcap, 1 connecting endcap with connector
KSP CONT - without terminal block, contains 2 connecting endcaps with connectors
KSP END - without terminal block, contains 1 connecting endcap with connector, 1 standard endcap



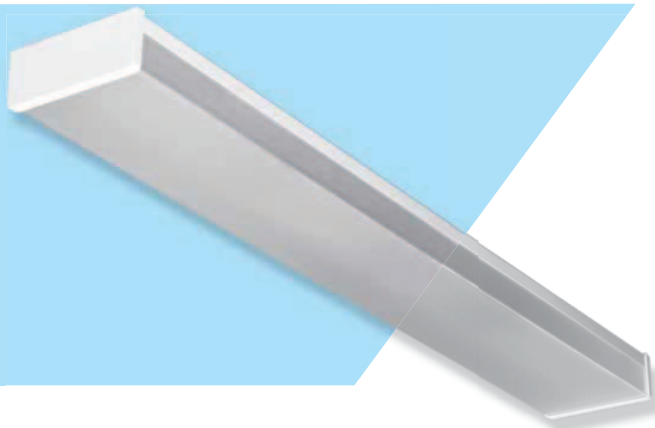
STANDARD AND CONNECTION ENDCAP



CONNECTION ENDCAP WITH A CONNECTOR

	*	W	A	kg
KSP&118#*	START, CONT, END	1x18	645	1,9
KSP&218#*	START, CONT, END	2x18	645	2,0
KSP&136#*	START, CONT, END	1x36	1255	3,2
KSP&236#*	START, CONT, END	2x36	1255	3,8
KSP&158#*	START, CONT, END	1x58	1555	4,8
KSP&258#*	START, CONT, END	2x58	1555	5,4
KSP&114 (24)*	START, CONT, END	1x14 (24)	645	1,6
KSP&214 (24)*	START, CONT, END	2x14 (24)	645	1,6
KSP&128 (54)*	START, CONT, END	1x28 (54)	1255	3,1
KSP&228 (54)*	START, CONT, END	2x28 (54)	1255	3,1
KSP&135 (49,80)*	START, CONT, END	1x35 (49,80)	1555	4,4
KSP&235 (49,80)*	START, CONT, END	2x35 (49,80)	1555	4,4

KL



KL236

Light fittings with cover

Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

KL - prismatic PMMA cover
KLO - opal PMMA cover

Wiring (#):

N - uncompensated, ballast cat. B
K - compensated, ballast cat. B
EP - high frequency ballast HFB
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

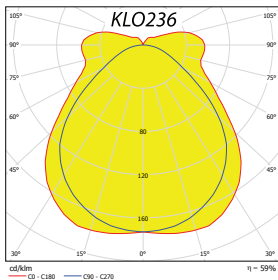
Tube suspension
Cord suspension - ZH22
Protection grid - OM

Versions (@):

NZ - emergency pack

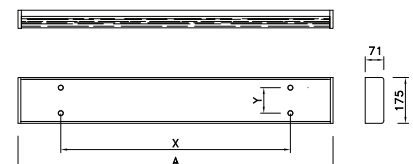
Note:

Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.



T8	W	A	X	Y	kg
KL218#@	2x18	634	400	100	2,0
KL236#@	2x36	1234	900	100	3,6
KL258#@	2x58	1534	1000	100	5,2
KLO218#@	2x18	634	400	100	2,0
KLO236#@	2x36	1234	900	100	3,6
KLO258#@	2x58	1534	1000	100	5,2

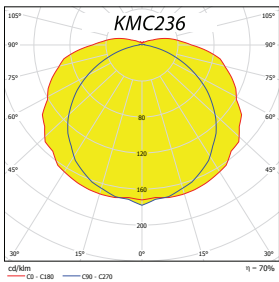
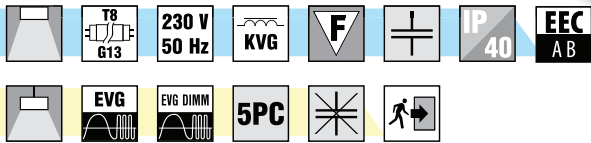
T5	W	A	X	Y	kg
KL214(24)#@	2x14(24)	634	400	100	1,6
KL228(54)#@	2x28(54)	1234	800	100	3,0
KL235(49,80)#@	2x35(49,80)	1534	1000	100	4,5
KLO214(24)#@	2x14(24)	634	400	100	1,6
KLO228(54)#@	2x28(54)	1234	800	100	3,0
KLO235(49,80)#@	2x35(49,80)	1534	1000	100	4,5



Light fittings with cover



KMO236



KMC136

Body:

White painted (RAL 9003) metal sheet
White plastic endcaps

Optic (&):

C - prismatic PMMA cover
O - opal PMMA cover

Wiring (#):

N - uncompensated, ballast cat. B
K - compensated, ballast cat. B
EP - high frequency ballast HFB
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Application:

These light fittings can be used as surface mounted or suspended.

Accessories:

Tube suspension
Cord suspension - ZH22
Protection grid - OM

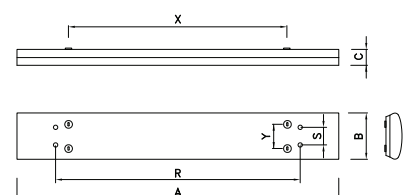
Versions (@):

NZ - emergency pack

Note:

Surface mounted style of installation is recommended. When light fittings are suspended, they should be hung by 4 cords or tubes.

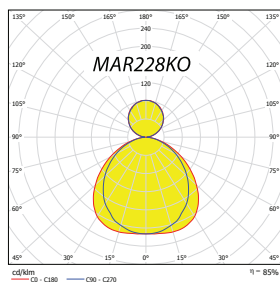
	W	A	B	C	X	Y	R	S	kg
KM&118#	1x18	625	110	75	500	0	550	0	1,6
KM&218#	2x18	625	180	65	500	100	540	0	2,0
KM&136#	1x36	1250	110	75	900	0	850	0	2,4
KM&236#	2x36	1250	180	65	900	100	900	0	3,8
KM&336#	3x36	1250	300	80	900	200	950	200	4,4
KM&258#	2x58	1555	200	65	1200	100	1200	0	5,1



MARS KO



MARS228KO



MAR228KO - UPPER SIDE

Pendant interior fittings

Body:

Eloxal aluminium profile, metal plate endcaps finished in RAL9007

Optic (&):

KO - semiopal cover ACRYL SATINE

Wiring (#):

EP - high frequency ballast HFB (standard)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

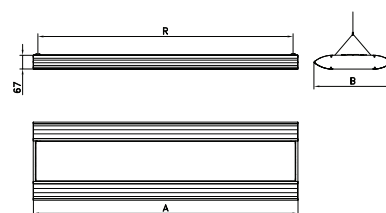
Pendant light fittings for direct/indirect illumination.

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

Note:

Cord suspension set ZH11 included in the fitting.

	W	A	B	R	kg
MAR114 (24) #KO	1x14 (24)	604	270	550	3,5
MAR214 (24) #KO	2x14 (28)	604	355	550	4,0
MAR128 (54) #KO	1x28 (54)	1204	270	1150	5,5
MAR228 (54) #KO	2x28 (54)	1204	355	1150	6,0
MAR135 (49,80) #KO	1x35 (49,80)	1504	270	1450	7,5
MAR235 (49,80) #KO	2x35 (49,80)	1504	355	1450	8,0

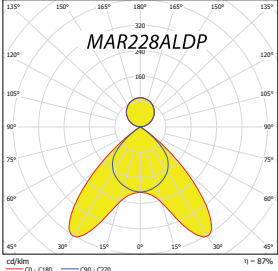


Pendant interior fittings

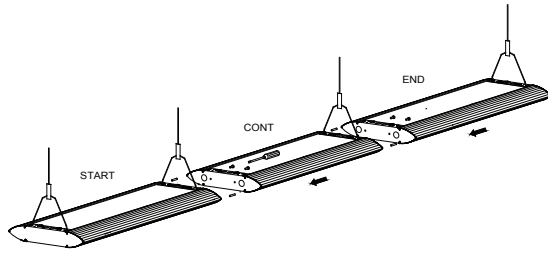
MARS ALDP



MAR228ALDP



CONNECTING ENDCAP MAR/R



Body:
Eloxal aluminium profile, metal plate endcaps finished in RAL9007

Optic (&):
ALDP - double parabolic louvre category C2 of highly polished aluminium
MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):
EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:
Pendant light fittings for direct/indirect illumination.
These fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

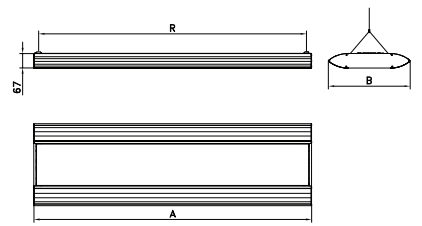
Versions (@):
MAR - pendant fittings for direct / indirect illumination, upper side is made of opal PMMA cover
MARD - pendant fittings for direct illumination only (closed upper side of the fittings)
MAR / R - fitting intended to installation to row

Note:
Fittings MARS can be produced in modification enabling bonding into straight row. In this case are luminaires delivered with connecting endcaps, with through wiring 5x 1,5 mm².

The row can be compiled by START, CONT and END fittings:
MAR / R START - contains start terminal board, 1 standard endcap, 1 connecting endcap, with terminal board, 2 cord suspensions (without cable)
MAR / R CONT - contains 2 connecting endcaps, 2 terminal boards, 1 cord suspension (without cable)
MAR / R END - contains 1 connecting endcap with terminal board, 1 standard endcap, 1 cord suspension (without cable)
All components required for the connection and hanging are included.

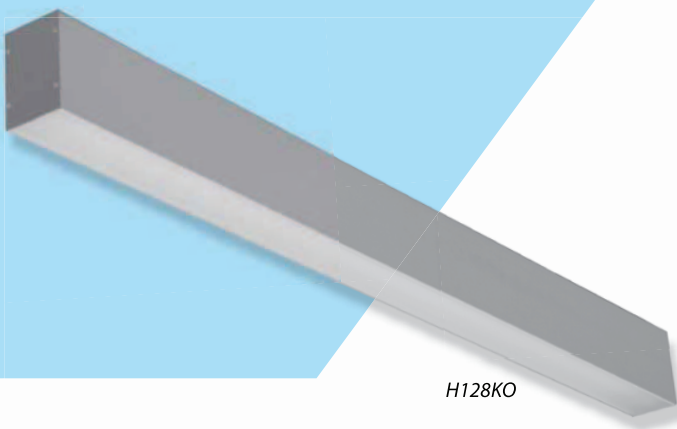
	W	A	B	R	kg
MAR128 (54)&#	1x28 (54)	1204	270	1150	5,5
MAR228 (54)&#	2x28 (54)	1204	355	1150	6,0
MAR135 (49,80)&#	1x35 (49,80)	1504	270	1450	7,5
MAR235 (49,80)&#	2x35 (49,80)	1504	355	1450	8,0

	*	W	A	B	R	kg
MAR128 (54) &# / R*	START, CONT, END	1x28 (54)	1204	270	1150	5,8
MAR228 (54) &# / R*	START, CONT, END	2x28 (54)	1204	355	1150	6,3
MAR135 (49,80) &# / R*	START, CONT, END	1x35 (49,80)	1504	270	1450	7,9
MAR235 (49,80) &# / R*	START, CONT, END	2x35 (49,80)	1504	355	1450	8,4

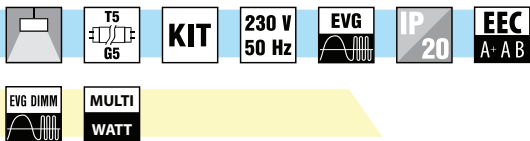


H T5, HR, HV

Linear T5 luminaires



H128KO



Body:

Eloxal aluminium profile, metal plate endcaps finished in RAL9007

Optic:

KO - semiopal cover ACRYL SATINE

Wiring (#):

EP - high frequency ballast HFB (standard)
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI
 MULTIWATT - universal HFB for T5 lamps

Variants:

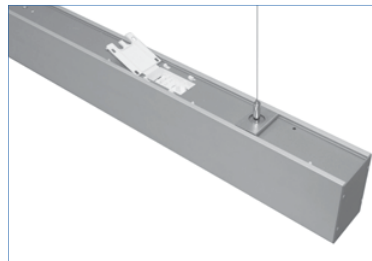
H - pendant luminaire for single installation
 H/R - pendant luminaire for installation to a row
 HV - recessed luminaire for single installation into gypsum plasterboard type ceiling

Note:

Cord suspension set included in the fitting. Fittings H can be produced in modification enabling join them into straight row. In this case are luminaires delivered with connecting endcaps, with through wiring 3x1,5 mm² with connectors. The row can be compiled by START, CONT and END fittings.



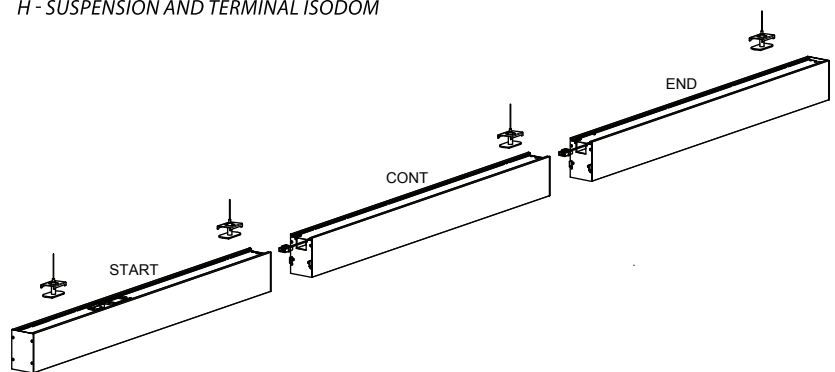
HV - FIXING CLIPS



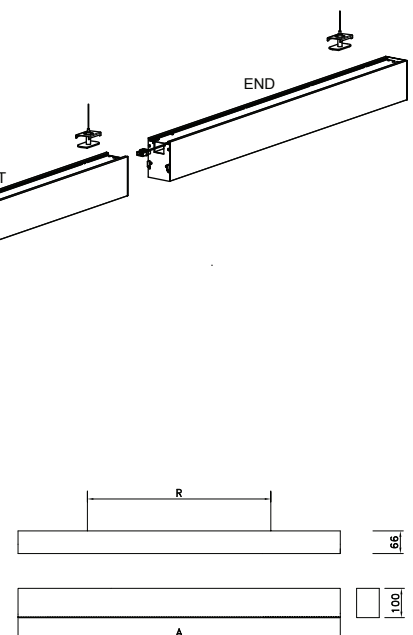
H - SUSPENSION AND TERMINAL ISODOM



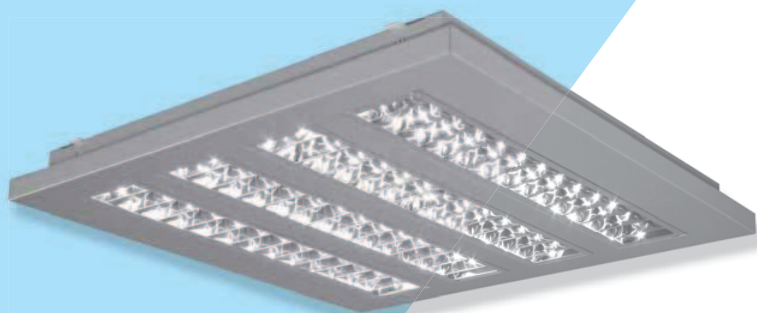
HV128



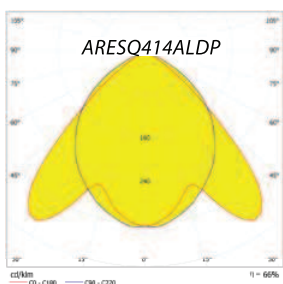
	W	A	R	kg
H128KO#	1x28	1185	705-1145	3,7
H135KO#	1x35	1485	705-1445	4,6
H149KO#	1x49	1485	705-1445	4,6
H154KO#	1x54	1185	705-1145	3,7
H180KO #	1x80	1485	705-1445	4,6



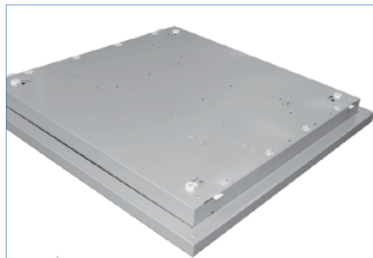
Interior fittings



ARESQ414ALDP



PRINCIPLE OF FIXING THE COVER



ARES Q414 - UPPER SIDE

Body:

Grey (RAL 9007) painted metal sheet

Optic:

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

AL - parabolic louvre of highly polished aluminium with mat crossing blades

Wiring:

EP - high frequency ballast HFB (standard)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

Surface or pendant installation.

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

Accessories:

Suspension set - ZH22

Versions (@):

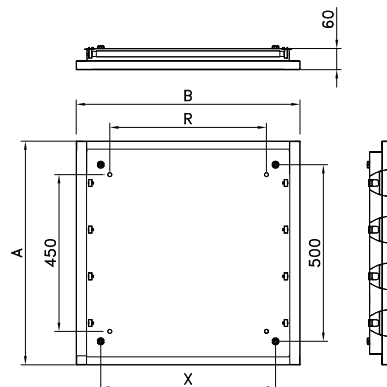
B - surface finished in white (RAL 9003)

Note:

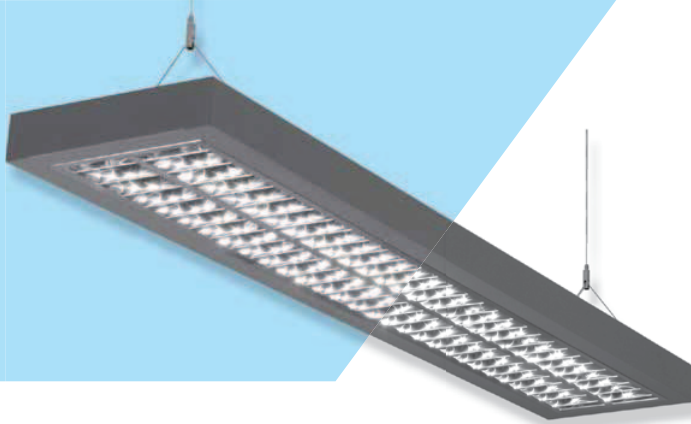
ARESQ - pendant fittings for direct indirect illumination (open upper side of the fittings), suspension set included

ARESQP - surface installed fittings for direct illumination only (closed upper side of the fittings),

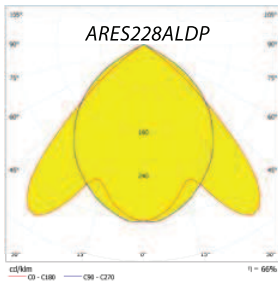
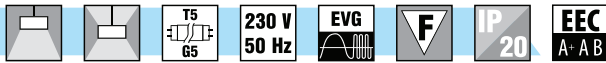
	W	A	B	X	R	kg
ARESQ414 (24) &#@	4x14 (24)	640	640	500	450	4,5
ARESQP414 (24) &#@	4x14 (24)	640	640	500	450	4,5



ARES



ARES228ALDP



Pendant interior fittings

Body:

Grey (RAL 9007) painted metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium

MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

EP - high frequency ballast HFB (standard)

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

MULTIWATT - universal HFB for T5 lamps

Application:

Pendant luminaires for direct-indirect lighting of interiors (some variants of the fixture can be installed as a surface mounted)

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

Versions:

ARES - pendant fittings for direct indirect illumination (open upper side of the fittings), suspension set included

ARESD - pendant fittings for direct illumination only (closed upper side of the fittings), suspension set included

ARESP - surface installed fittings for direct illumination only, without suspension set

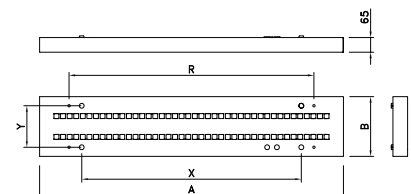
ARES /R - pendant fittings for direct/indirect illumination (open upper side of the fittings), for continuous assembly into row

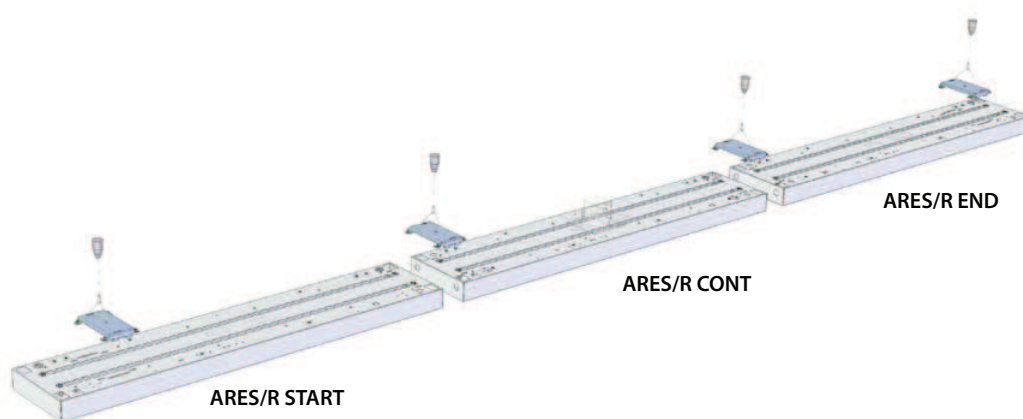
Accessories:

1661004001 - Suspension ARES /R 1x (connecting part and cord suspension, without cable - 1 fixing point)

1662004001 - Suspension ARES /R 2x (connecting part and cord suspension, without cable - 1 fixing point)

	W	A	B	X	Y	R	kg
ARES128 (54)&#	1x28 (54)	1245	160	900	85	990	3,9
ARES228 (54)&#	2x28 (54)	1245	245	900	170	1290	4,4
ARES135 (49,80)&#	1x35 (49,80)	1545	160	1200	85	990	5,7
ARES235 (49,80)&#	2x35 (49,80)	1545	245	1200	170	1290	6,2





Continuous assembly into row:

Fittings ARES/R are delivered with modified endcaps, with through wiring 5x 1,5 mm²

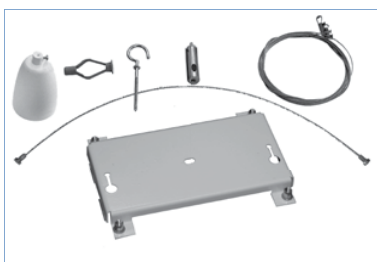
Fittings are hanged and connected to row using „Suspension ARES /R“, which have to be used on the both ends of the row and in the each connection point.

The row can be compiled by START, CONT and END fittings:

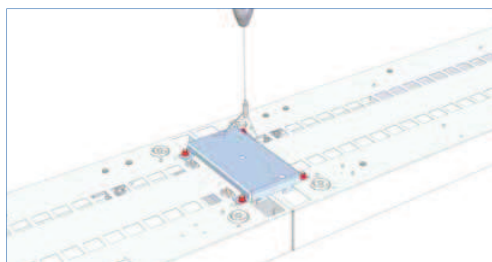
ARES START- contains start terminal board, 1 standard endcap, 1 connecting endcap, 1 terminal board

ARES CONT - contains 2 connecting endcaps, 2 terminal boards

ARES END - contains 1 connecting endcap, 1 terminal board, 1 standard endcap



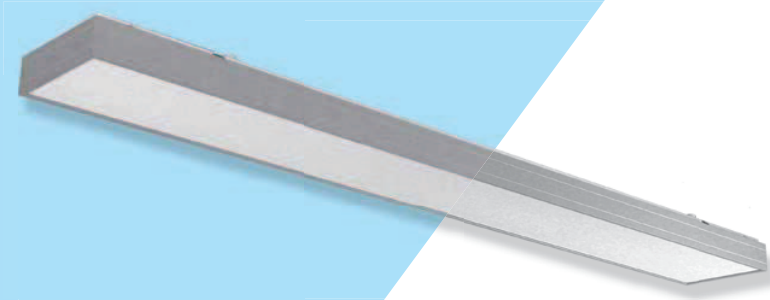
SUSPENSION ARES/R



CONNECTION PART

EXA KO

Pendant / surface interior fittings



EXA228KO

Body:

Eloxal aluminium profile

Optic:

KO - semiopal cover ACRYL SATINE

Wiring (#):

EP - high frequency ballast HFB (standard)
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI
 MULTIWATT - universal HFB for T5 lamps

Application:

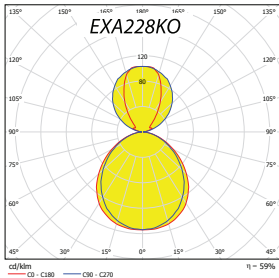
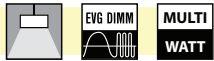
Pendant luminaires for direct-indirect lighting of interiors (some variants of the fixture can be installed as a surface mounted).

For offices, common and exhibition spaces, etc.

Versions:

EXA - pendant fittings for direct / indirect illumination - suspension set included (ZH11 set for 2-lamps luminaires, ZH22 set for 4-lamps luminaires)

EXAD - pendant or surface installed fittings for direct illumination only (closed upper side of the fittings)



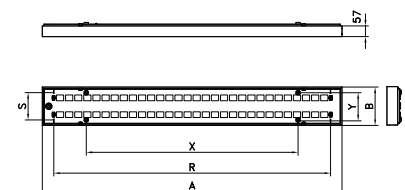
EXA414KO



EXA228 - UPPER SIDE



	W	A	B	X	Y	R	S	kg
EXA214 (24)KO	2x14 (54)	603	160	450	120	520	120	2,2
EXA414 (24)KO	4x14 (24)	603	603	450	520	520	520	3,7
EXA228 (54)KO	2x28 (54)	1200	160	1120	120	1050	120	3,3
EXA235 (49,80)KO	2x35 (49,80)	1500	160	1420	120	1350	120	5,0

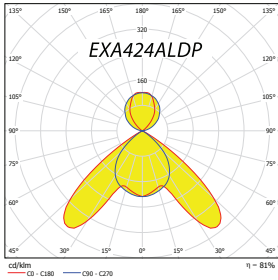
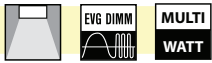
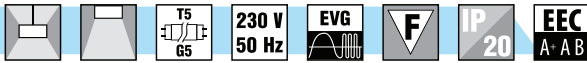


Pendant / surface interior fittings

EXA ALDP



EXA414ALDP



Body:

Eloxal aluminium profile

Optic:

ALDP - double parabolic louvre category C2 of highly polished aluminium
 MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

EP - high frequency ballast HFB (standard)
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI
 MULTIWATT - universal HFB for T5 lamps

Application:

Pendant luminaires for direct-indirect lighting of interiors (some variants of the fixture can be installed as a surface mounted).

For offices, common and exhibition spaces, etc.

Versions (@):

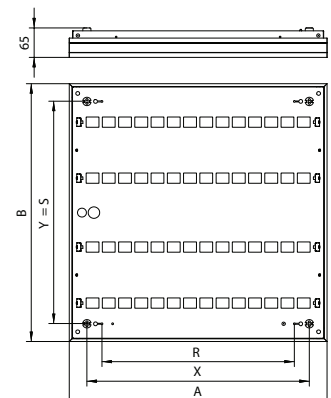
EXA - pendant fittings for direct / indirect illumination - suspension set included (ZH11 set for 2-lamps luminaires, ZH22 set for 4-lamps luminaires)

EXAD - pendant or surface installed fittings for direct illumination only (closed upper side of the fittings)

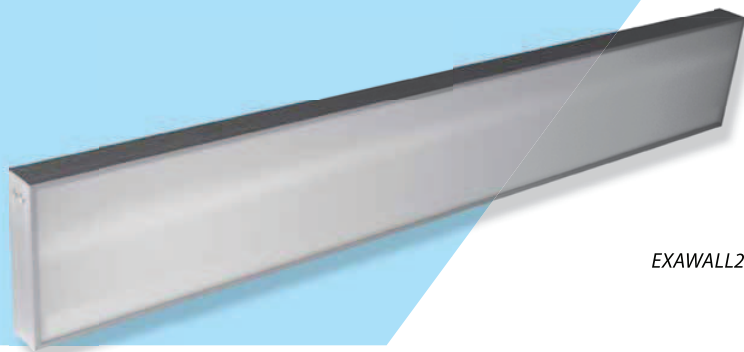
NZ - emergency pack

RAL9006 - luminaire cover finished in grey colour RAL 9006

	W	A	B	X	Y	R	S	kg
EXA414 (24)&#@	4x14 (24)	603	603	450	520	520	520	4,0
EXA228 (54)&#@	2x28 (54)	1200	300	1120	220	1050	220	3,3
EXA235 (49,80)&#@	2x35 (49,80)	1500	300	1420	220	1350	220	5,4



EXA WALL



EXAWALL228KO

Double side interior fittings

Body:

Eloxal aluminium profile

Optic:

KO - semiopal cover ACRYL SATINE

Wiring:

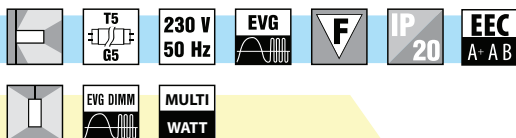
EP - high frequency ballast HFB (standard)
MULTIWATT - universal HFB for T5 lamps

Application:

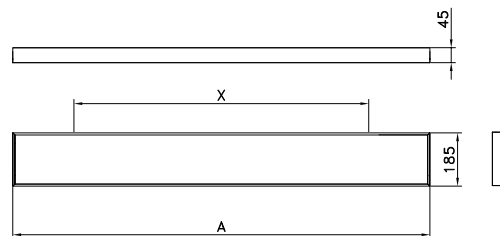
Double-sided light fittings for surface installation on walls or a ceiling, for pendant installation also.

Note:

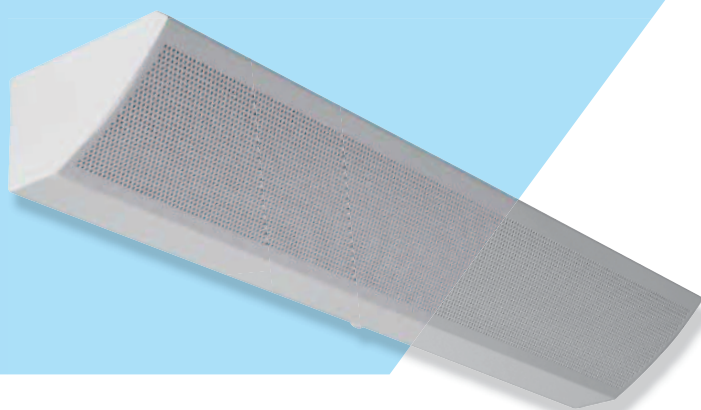
Cord suspension set is not included in the fitting.



	W	A	X	kg
EXAWALL214 KO	2x14	603	520	2,2
EXAWALL228 (54)KO	2x28 (54)	1200	950	3,5



SPW



SPW118

Wall-mounted interior light fittings

Body:

White painted (RAL 9003) metal sheet

Optic:

Perforated body, prismatic upper cover

Wiring:

compensated, ballast cat. B (standard, except TC-L 55W lamps)

EP - high frequency ballast HFB

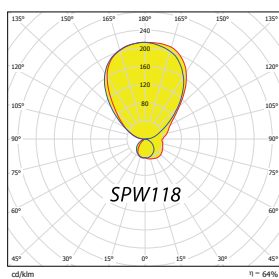
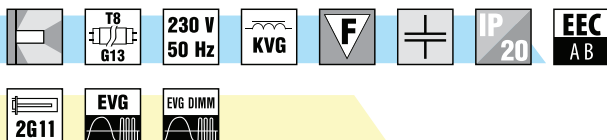
EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

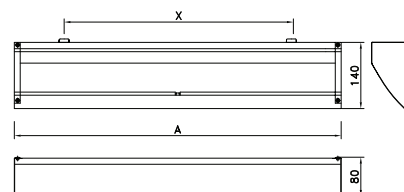
EPSDD - HFB digital dimmable DALI

Application:

Wall-mounted interior light fittings
For direct / indirect illumination



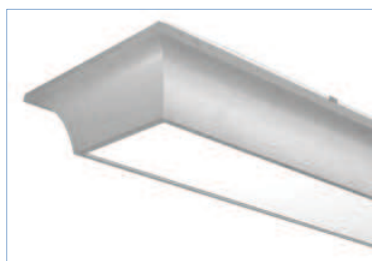
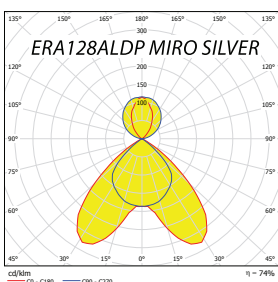
	W	Ø	A	X	kg
SPW118#	1x18	T8	645	450	2,0
SPW140TCL#	1x40	TC-L	645	450	2,2
SPW136#	1x36	T8	1255	1060	3,5
SPW240TCL#	2x40	TC-L	1255	1060	4,0
SPW155#	1x55	TC-L	645	450	1,8
SPW255#	2x55	TC-L	1255	1060	3,0



Pendant / surface interior fittings



ERA228ALDP



ERA228KO



ERA128ALDP



ERAD228ALDP - UPPER SIDE

Body:

Eloxal aluminium profile

Optic:

ALDP double parabolic louvre category C2 of highly polished aluminium
KO - semiopal cover ACRYL SATINE

Wiring (#):

EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

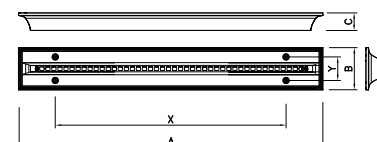
Pendant light fittings for direct / indirect illumination (ERAD luminaires are also usable for surface installing).
For offices, common and exhibition spaces, etc.

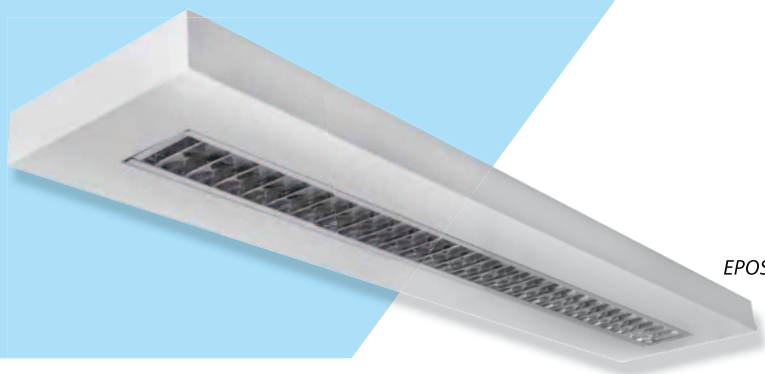
Versions:

ERA - pendant fittings for direct / indirect illumination, upper side is made of prismatic PMMA cover. Suspension set ZH11 included.

ERAD - pendant or surface installed fittings for direct illumination only (closed upper side of the fittings)

	W	A	B	C	X	Y	R	kg
ERA128 (54) #ALDP	1x28 (54)	1305	225	75	1020	70	1050	3,5
ERA135 (49,80) #ALDP	1x35 (49,80)	1605	225	75	1320	70	1350	4,5
ERA228 (54) #ALDP	2x28 (54)	1305	310	75	1020	160	1050	5,0
ERA235 (49,80) #ALDP	2x35 (49,80)	1605	310	75	1320	160	1350	7,0
ERA228 (54) #KO	2x28 (54)	1305	310	95	1050	220	1050	5,0
ERA235 (49,80) #KO	2x35 (49,80)	1605	310	95	1350	220	1350	7,0





EPOS328ALDP

Pendant interior fittings

Body:

White (RAL 9003) painted metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium
MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

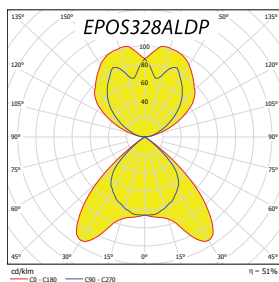
EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

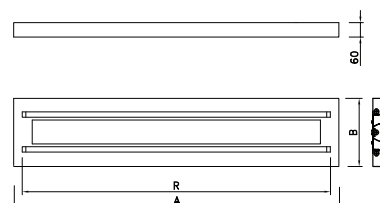
These fittings are recommended for offices, for lighting areas with high requirements for light and glare control.

Note:

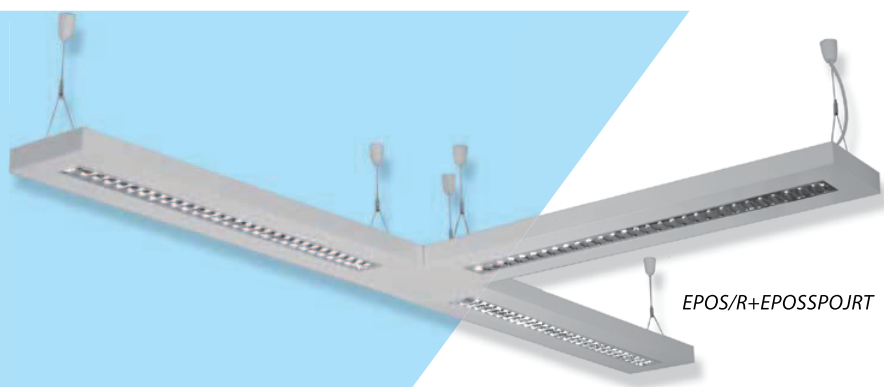
Standard version of this fitting (except 1-lamp version) has double-circuit wiring (EPOS...EP2), the first circuit controls one lamp pointing downward (direct part of illumination) while the second circuit controls two lamps pointing upward (indirect part of illumination).
Cord suspension set ZH11 included in the fitting.



	W	A	R	kg
EPOS128(54)&#	1x28(54)	1335	1245	4,8
EPOS328(54)&#	3x28(54)	1335	1245	5,0
EPOS135(49,80)&#	1x35(49,80)	1635	1545	8,5
EPOS335(49,80)&#	3x35(49,80)	1635	1545	9,0



Pendant interior fittings for installation to rows



Body:

White (RAL 9003) painted metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium
 MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

EP - high frequency ballast HFB (standard)
 MULTIWATT - universal HFB for T5 lamps

Application:

Pendant light fittings for direct / indirect illumination. These fittings are intended for connecting to the rows using connection parts.

Accessories:

Cord suspension - ZH11
 Connection part - EPOSSPOJPR – straight line
 Connection part - EPOSSPOJKR - crossing
 Connection part - EPOSSPOJRL – turning left
 Connection part - EPOSSPOJRP - turning right
 Connection part - EPOSSPOJRT - „T“ connection

Note:

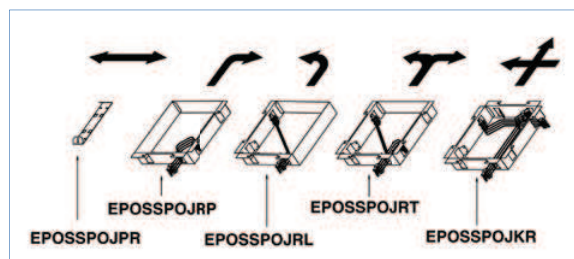
Using connection parts EPOSSPOJ light fittings can be installed to rows with reference to various layout. The through wiring (continuous assembly) made of 2 phasis (4x 1,5 mm²) enables double-circuit system of use, the faces of fittings are equipped with connectors.

The row can be compiled by START, CONT and END fittings:

EPOS START - contains terminal block, 1 standard endcap, 1 connecting endcap with connector

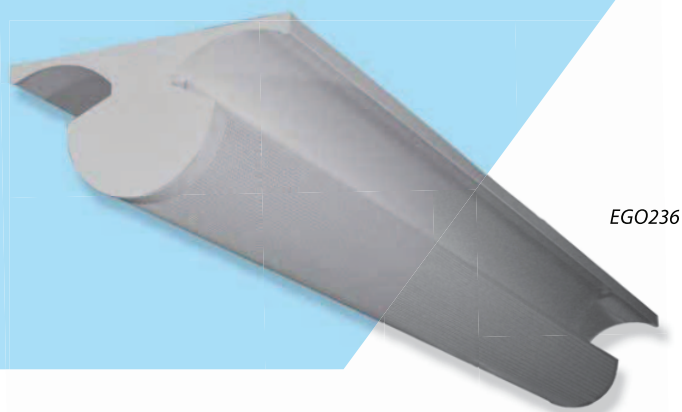
EPOS CONT - without terminal block, contains 2 connecting endcaps with connectors

EPOS END - without terminal block, contains 1 connecting endcap with connector, 1 standard endcap



	*	W	A	R	kg
EPOS128(54)&# /R*	START, CONT, END	1x28(54)	1335	1245	5,0
EPOS328(54)&#EP2/R*	START, CONT, END	3x28(54)	1335	1245	5,2
EPOS135(49,80)&# /R*	START, CONT, END	1x35(49,80)	1635	1545	8,7
EPOS335(49,80) &#EP2/R*	START, CONT, END	3x35(49,80)	1635	1545	9,2

Pendant / surface fittings for indirect illumination



EGO236

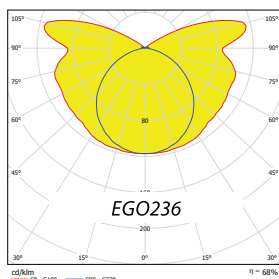
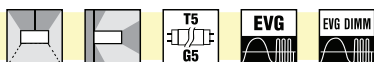
Body:
White (RAL 9003) painted metal sheet

Optic:
perforated lamps cover, white painted reflectors

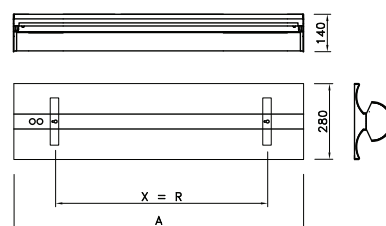
Wiring (#):
compensated, ballast cat. B (standard wiring)
EP - high frequency ballast HFB
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Application:
Surface (ceiling, wall) / pendant luminaires
for interior lighting
These fittings are recommended for offices,
for lighting areas with high requirements
for light and glare control.

Note:
Cord suspension set ZH11 included in fitting.



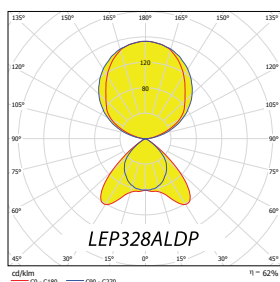
Typ	W	A	X	R	kg
EGO118#	1x18	622	480	480	3,0
EGO218#	2x18	622	480	480	3,5
EGO136#	1x36	1232	950	950	5,2
EGO236#	2x36	1232	950	950	5,5
EGO158#	1x58	1532	1250	1250	6,9
EGO258#	2x58	1532	1250	1250	7,7
EGO228(54)#	2x28(54)	1182	886	886	5,2
EGO235(49,80)#	2x35(49,80)	1482	1168	1186	7,0



Pendant interior fittings



LEP328ALDP



Body:

White (RAL 9003) painted metal sheet

Optic (&):

ALDP - double parabolic louvre category C2 of highly polished aluminium
MATDP - double parabolic louvre category C2 of mat aluminium

Wiring (#):

EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI
MULTIWATT - universal HFB for T5 lamps

Application:

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

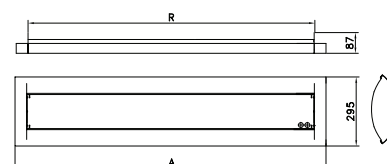
Versions:

RAL9006 - colour RAL 9006
MIRO - louvre made of MIRO aluminium

Note:

Standard version of this fitting (except 1-lamp version) has double-circuit wiring (LEP...EP2), the first circuit controls one lamp pointing downward (direct part of illumination) while the second circuit controls 2 lamps pointing upward (indirect part of illumination).
Cord suspension set ZH11 included in fitting.

	W	A	R	kg
LEP128(54)&# @	1x28	1285	1185	4,8
LEP328(54)&# @	3x28	1285	1185	5,0
LEP135(49,80)&# @	1x35	1585	1485	8,5
LEP335(49,80)&# @	3x35	1585	1485	9,0



SPMA

Recessed polycarbonate downlights



SPMA218

Body:

Plastic gear box. White plastic decorative ring.

Optic:

Metalized polycarbonate reflector

Wiring (#):

N - uncompensated, ballast cat. B
 K - compensated, ballast cat. B
 EP - high frequency ballast
 EPSA - HFB analogue dimmable (1-10 V)
 EPSSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI
 MULTIWATT - universal HFB for compact lamps

Application:

Recessed fullplastic downlight for installation into false ceiling.

Accessories:

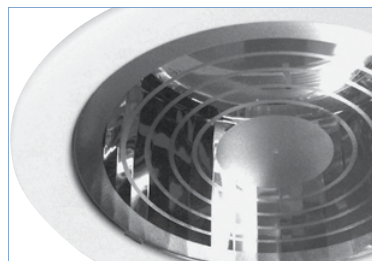
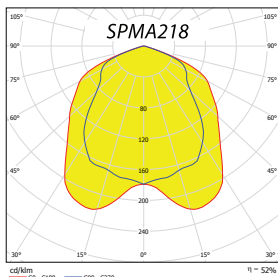
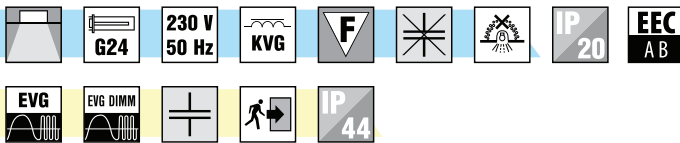
Metalized louver - 4334995
 Fresnel lens - 413400011
 Polycarbonate cover - 413400031
 Decorative ring chrome - 4334062
 Decorative ring gold - 4334063

Versions:

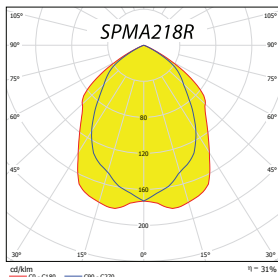
NZ - emergency pack (only for fittings with electronic ballast)

Note:

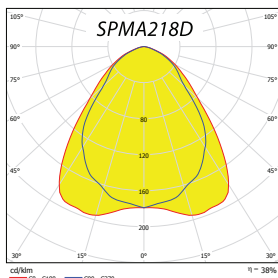
ADVICE: Polycarbonate cover (413400031) can be used in MODUS SPMA 1x13W, 2x13W, 1x18W or 2x18W for IP44. This cover must not be used with others versions SPMA due to possible problems caused by high temperature.



SPMA... S

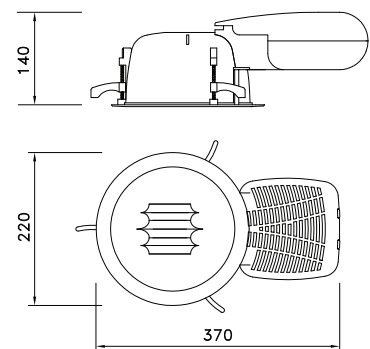


SPMA... R



SPMA... D

	W	□	kg
SPMA113 #@	1x13	200	0,99
SPMA118 #@	1x18	200	0,99
SPMA126 #@	1x26	200	1,22
SPMA132 #@	1x18	200	0,78
SPMA142 #@	1x36	200	0,78
SPMA213 #@	2x13	200	1,34
SPMA218 #@	2x18	200	1,34
SPMA226#@	2x26	200	1,79

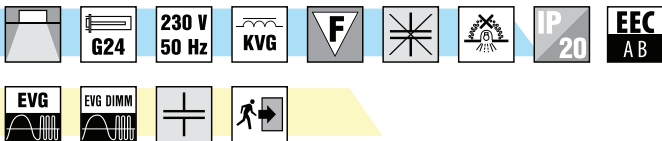


Recessed polycarbonate downlights with decorative glass

SPMAK



SPMAK218



Body:
Plastic gear box. Plastic white decorative ring.

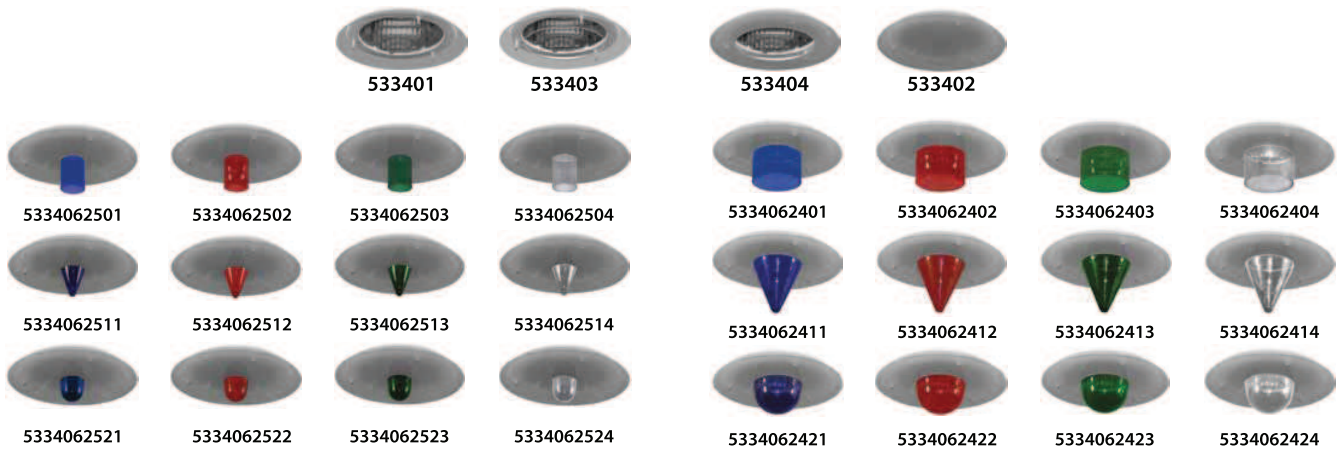
Optic:
Metalized polycarbonate reflector

Application:
Recessed fullplastic downlight for installation into false ceiling.

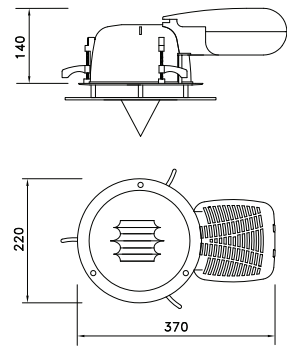
Accessories:
533401 - Clear glass, Ø 260 mm
533402 - Opal glass, Ø 260 mm
533403 - Clear glass ring, Ø 260/160 mm
533404 - Opal glass ring, Ø 260/160 mm
Glass cover with colour accessories, Ø 260 mm – see overview below

Versions:
NZ emergency pack (only for fittings with electronic ballast)

Note:
SPMAK body and wiring are the same like SPMA downlights.
Decorative glass can be installed to the SPMA fitting, which is modified for this (reflektor and plastic ring). This modification is signed „K“ in code of fitting. Decorative glass has to be ordered by its code separately (e.g. SPMAK218EPPB + 533401).



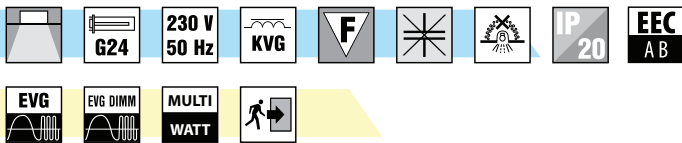
	W	□	kg
SPMAK113 #@	1x13	200	0,99
SPMAK118 #@	1x18	200	0,99
SPMAK126 #@	1x26	200	1,22
SPMAK132 #@	1x18	200	0,78
SPMAK142 #@	1x36	200	0,78
SPMAK213 #@	2x13	200	1,34
SPMAK218 #@	2x18	200	1,34
SPMAK226#@	2x26	200	1,79



SPMB



SPMB218



Recessed downlights

Body:

Zinc-coated steel sheet, white metal ring.

Optic:

Highly polished aluminium reflektor

SPMB...170 – aluminium reflektor Ø 145mm

SPMB...200 - aluminium reflektor Ø 185mm

Wiring (#):

N - uncompensated, ballast cat. B

K - compensated, ballast cat. B

EP - high frequency ballast

EPSA - HFB analogue dimmable (1-10 V)

EPSD - HFB digital dimmable TRIDONIC ECO

EPSDD - HFB digital dimmable DALI

Application:

Recessed metal downlight for installation into false ceiling.

Versions:

NZ - emergency pack (only for fittings with electronic ballast)

Note:

These fittings can not be equipped with a glass cover.

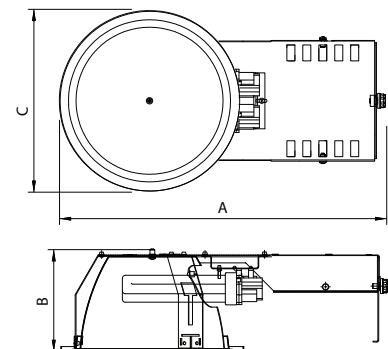
Luminaires are fixed in a ceiling by 3 pcs of T-clips



T-CLIPS

	W	A	B	C	□	kg
SPMB113#MB170	1x13	400	115	205	170	1,1
SPMB118#MB170	1x18	400	115	205	170	1,3
SPMB213#MB170	2x13	400	115	205	170	1,5
SPMB218#MB170	2x18	400	115	205	170	1,6

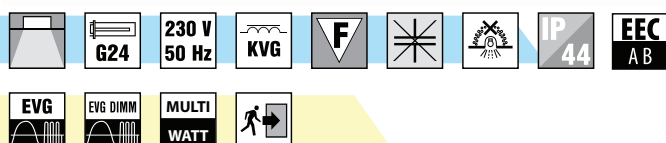
	W	A	B	C	□	kg
SPMB113#MB200	1x13	410	130	230	210	1,2
SPMB118#MB200	1x18	410	130	230	210	1,4
SPMB126#MB200	1x26	410	130	230	210	1,5
SPMB132EPMB200	1x32	410	130	230	210	1,1
SPMB142EPMB200	1x42	410	130	230	210	1,1
SPMB213#MB200	2x13	410	130	230	210	1,7
SPMB218#MB200	2x18	410	130	230	210	1,8
SPMB226#MB200	2x26	410	130	230	210	1,9
SPMB232EPMB200	2x32	410	130	230	210	1,2
SPMB242EPMB200	2x42	410	130	230	210	1,2



Recessed downlights with glass cover



SPMBS218O



Body:

Zinc-coated steel sheet, white metal ring.

Optic:

Highly polished aluminium reflektor
 SPMBS...170 – aluminium reflektor Ø 145mm
 SPMBS...200 – aluminium reflektor Ø 185mm
 Glass cover

Wiring (#):

N - uncompensated, ballast cat. B
 K - compensated, ballast cat. B
 EP - high frequency ballast
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPDD - HFB digital dimmable DALI

Application:

Recessed metal downlight for installation into false ceiling.

Versions (@):

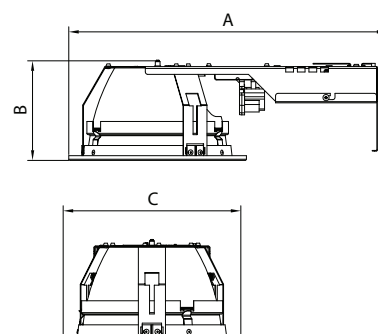
O - opal glass cover
 C - clear glass cover
 NZ - emergency pack (only for fittings with electronic ballast)



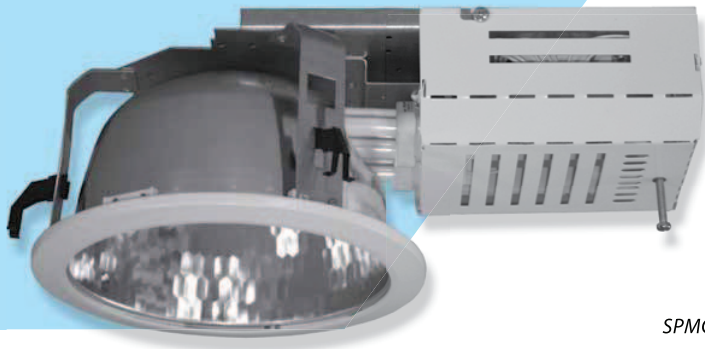
GLASS COVER SPMBS

	W	A	B	C	□	kg
SPMBS113#MB170@	1x13	400	115	205	170	1,3
SPMBS118#MB170@	1x18	400	115	205	170	1,5
SPMBS213#MB170@	2x13	400	115	205	170	1,7
SPMBS218#MB170@	2x18	400	115	205	170	1,8

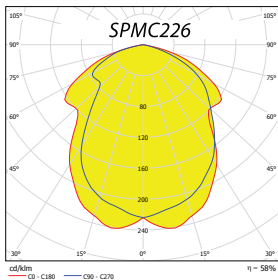
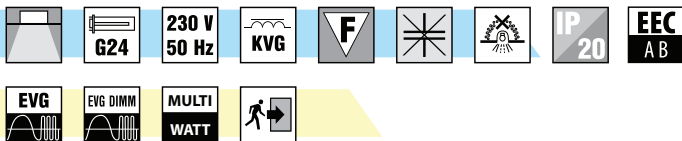
	W	A	B	C	□	kg
SPMBS113#MB200@	1x13	410	130	230	210	1,5
SPMBS118#MB200@	1x18	410	130	230	210	1,7
SPMBS126#MB200@	1x26	410	130	230	210	1,8
SPMBS132EPMB200@	1x32	410	130	230	210	1,4
SPMBS142EPMB200@	1x42	410	130	230	210	1,4
SPMBS213#MB200@	2x13	410	130	230	210	2,0
SPMBS218#MB200@	2x18	410	130	230	210	2,1
SPMBS226#MB200@	2x26	410	130	230	210	2,2
SPMBS232EPMB200@	2x32	410	130	230	210	1,5
SPMBS242EPMB200@	2x42	410	130	230	210	1,5



SPMC



SPMC226



	W	A	B	C		kg
SPMC113#MB170	1x13	360	120	190	170	1,1
SPMC118#MB170	1x18	360	120	190	170	1,3
SPMC213#MB170	2x13	360	120	190	170	1,5
SPMC218#MB170	2x18	360	120	190	170	1,6

	W	A	B	C		kg
SPMC113#MB200	1x13	370	140	225	210	1,2
SPMC118#MB200	1x18	370	140	225	210	1,4
SPMC126#MB200	1x26	370	140	225	210	1,5
SPMC132EPMB200	1x32	370	140	225	210	1,1
SPMC142EPMB200	1x42	370	140	225	210	1,1
SPMC213#MB200	2x13	370	140	225	210	1,7
SPMC218#MB200	2x18	370	140	225	210	1,8
SPMC226#MB200	2x26	370	140	225	210	1,9
SPMC232EPMB200	2x32	370	140	225	210	1,2
SPMC242EPMB200	2x42	370	140	225	210	1,2

	W	A	B	C		kg
SPMC126#MB250	1x26	400	180	260	245	1,5
SPMC132EPMB250	1x32	400	180	260	245	1,1
SPMC142EPMB250	1x42	400	180	260	245	1,1
SPMC226#MB250	2x26	400	180	260	245	1,9
SPMC232EPMB250	2x32	400	180	260	245	1,2
SPMC242EPMB250	2x42	400	180	260	245	1,2

Recessed downlights

Body:

Zinc-coated steel sheet, white painted gear box, white aluminium ring.

Optic:

Embossed aluminium reflektor
 SPMC...170 - embossed aluminium reflektor
 Ø 145mm
 SPMC...200 - embossed aluminium reflektor
 Ø 185mm
 SPMC...250 - embossed aluminium reflektor
 Ø 215mm

Wiring (#):

N - uncompensated, ballast cat. B
 K - compensated, ballast cat. B
 EP - high frequency ballast
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI

Application:

Recessed metal downlight for installation into false ceiling.

Accessories:

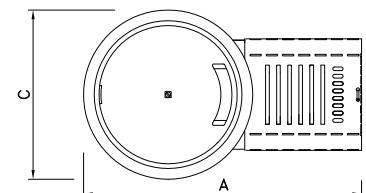
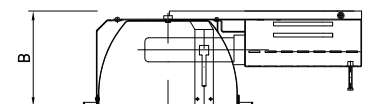
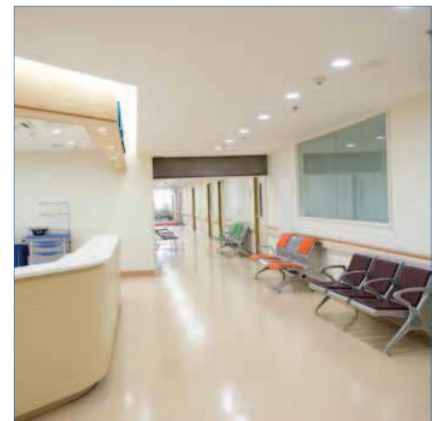
Clear glass cover
 Opal glass cover

Versions:

NZ - emergency pack (only for fittings with electronic ballast)

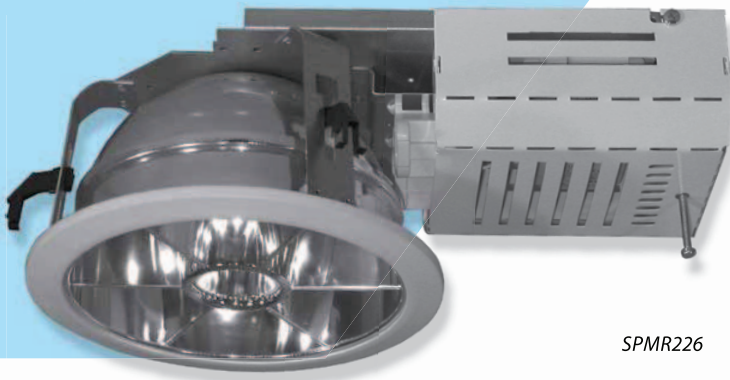
Note:

These fittings can be equipped with clear or opal glass cover for IP44.



SPMR

Recessed louvres downlights



SPMR226

Body:

Zinc-coated steel sheet, white painted gear box, white aluminium ring.

Optic:

Highly polished aluminium louvre R6
Highly polished aluminium reflector

Wiring (#):

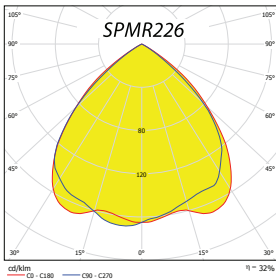
N - uncompensated, ballast cat. B
K - compensated, ballast cat. B
EP - high frequency ballast
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Application:

Recessed metal downlight for installation into false ceiling.

Versions:

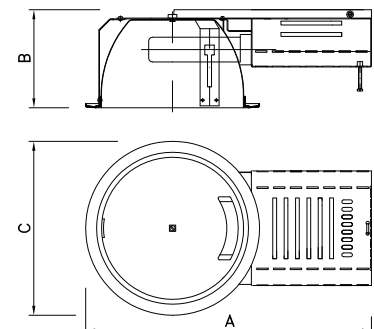
NZ - emergency pack (only for fittings with electronic ballast)



	W	A	B	C		kg
SPMR113#MB170	1x13	360	120	190	170	1,3
SPMR118#MB170	1x18	360	120	190	170	1,5
SPMR213#MB170	2x13	360	120	190	170	1,7
SPMR218#MB170	2x18	360	120	190	170	1,8

	W	A	B	C		kg
SPMR113#MB200	1x13	370	140	225	210	1,4
SPMR118#MB200	1x18	370	140	225	210	1,6
SPMR126#MB200	1x26	370	140	225	210	1,7
SPMR132EPMB200	1x32	370	140	225	210	1,3
SPMR142EPMB200	1x42	370	140	225	210	1,3
SPMR213#MB200	2x13	370	140	225	210	1,9
SPMR218#MB200	2x18	370	140	225	210	2,0
SPMR226#MB200	2x26	370	140	225	210	2,1
SPMR232EPMB200	2x32	370	140	225	210	1,4
SPMR242EPMB200	2x42	370	140	225	210	1,4

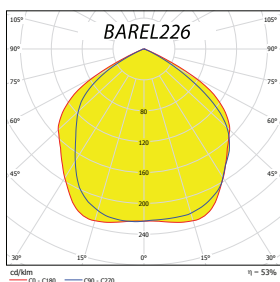
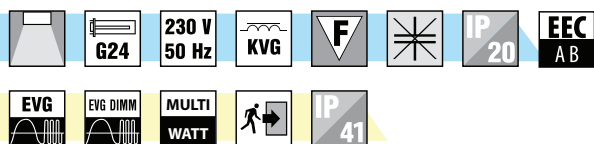
	W	A	B	C		kg
SPMR126#MB250	1x26	400	180	260	245	1,8
SPMR132EPMB250	1x32	400	180	260	245	1,4
SPMR142EPMB250	1x42	400	180	260	245	1,4
SPMR226#MB250	2x26	400	180	260	245	2,2
SPMR232EPMB250	2x32	400	180	260	245	1,5
SPMR242EPMB250	2x42	400	180	260	245	1,5



Surface installed downlights



BAREL226



Body:

White painted metal sheet, white aluminium ring.

Optic:

Embossed aluminium reflector

Wiring (#):

N - uncompensated, ballast cat. B
 K - compensated, ballast cat. B
 EP - high frequency ballast
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI

Accessories:

533601 - Clear glass
 533602 - Opal glass

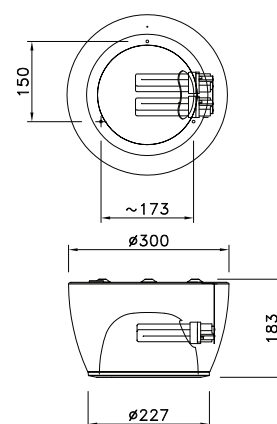
Versions:

NZ - emergency pack (only for fittings with electronic ballast)

Note:

These fittings can be equipped with clear or opal glass cover for IP41.

	W	kg
BAREL113#	1x13	1,4
BAREL118#	1x18	1,4
BAREL126#	1x26	1,6
BAREL213#	2x13	1,7
BAREL218#	2x18	1,7
BAREL226#	2x26	2,2
BAREL132-42	1x32 / 42	1,4
BAREL232-42	2x32 / 42	1,5



SPMH, SPMHP

Recessed downlights with glass cover, square shape



SPMH218EP

Body:

White painted aluminium body with steel support of lampholders

Optic:

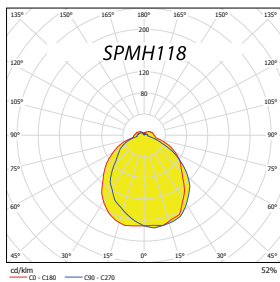
Highly polished aluminium reflektor
 SPMH - glass cover
 SPMHP - indented frosted glass cover

Wiring:

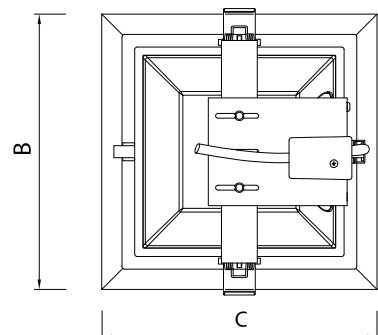
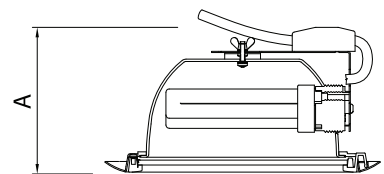
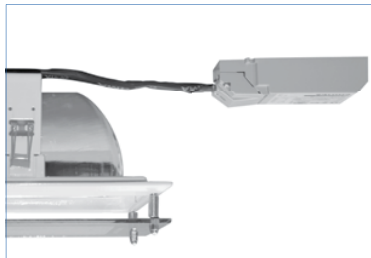
EP - high frequency ballast

Note:

Gear box is located separately.



SPMHP218



	W	A	B	C	□	⊗	kg
SPMH118EP	1x18	130	230	230	205 x 205	TC-DE	1,20
SPMH126EP	1x26	130	230	230	205 x 205	TC-DE	1,20
SPMH218EP	2x18	130	230	230	205 x 205	TC-DE	1,30
SPMH226EP	2x26	130	230	230	205 x 205	TC-DE	1,30

	W	A	B	C	□	⊗	kg
SPMHP118EP	1x18	130	230	230	205 x 205	TC-DE	1,40
SPMHP126EP	1x26	130	230	230	205 x 205	TC-DE	1,40
SPMHP218EP	2x18	130	230	230	205 x 205	TC-DE	1,50
SPMHP226EP	2x26	130	230	230	205 x 205	TC-DE	1,50

Recessed square downlights

SPH, SPQ



SPQ



SPH

Body:

White painted metal sheet

Optic:

Highly polished aluminium reflektor
Glass cover

Wiring:

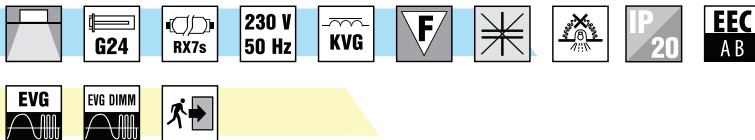
N - uncompensated, ballast cat. B

K - compensated, ballast cat. B

EP - high frequency ballast

Note:

Gear box is located separately.



	W	AxB	C	□	⊗	kg
SPQ113AL	1x13	230x230	130	205 x 205	TC-D	1,80
SPQ118AL	1x18	230x230	130	205 x 205	TC-D	1,80
SPQ126AL	1x26	230x230	130	205 x 205	TC-D	2,10
SPQ213AL	2x13	230x230	130	205 x 205	TC-D	2,20
SPQ218AL	2x18	230x230	130	205 x 205	TC-D	2,20
SPQ226AL	2x26	230x230	130	205 x 205	TC-D	2,50
SPQ70AL	1x70	230x230	130	205 x 205	HIT-DE	3,30

	W	AxB	C	□	⊗	kg
SPH113AL	1x13	248x248	150	208 x 208	TC-D	2,50
SPH118AL	1x18	248x248	150	208 x 208	TC-D	2,50
SPH126AL	1x26	248x248	150	208 x 208	TC-D	2,70
SPH213AL	2x13	248x248	150	208 x 208	TC-D	2,80
SPH218AL	2x18	248x248	150	208 x 208	TC-D	2,80
SPH226AL	2x26	248x248	150	208 x 208	TC-D	3,00
SPH70AL	1x70	205x205	150	160 x 160	HIT-DE	4,20
SPH150AL	1x150	205x205	150	160 x 160	HIT-DE	4,90

SPMV

Recessed movable downlights for discharge lamps



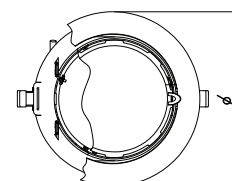
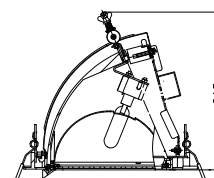
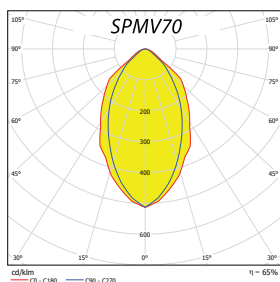
SPMV70

Body:
White painted aluminium body

Optic:
Mat aluminium reflector
Heat resistant front glass

Wiring (#):
K - compensated, ballast cat. B
EP - high frequency ballast

Note:
Gear box is located separately.



	W	Ø	□	⊗	kg
SPMV70#100/G12	1x70	160	145	HIT	3,1
SPMV100#200/G12	1x150	235	215	HIT	3,3
SPMV150#200/G12	1x150	235	215	HIT	3,5
SPMV70#200/RX7s	1x70	235	215	HIT-DE	3,4
SPMV150#200/RX7s	1x150	235	215	HIT-DE	3,9

Recessed downlights for discharge lamps

SPME



SPME70

Body:

White painted aluminium body

Optic:

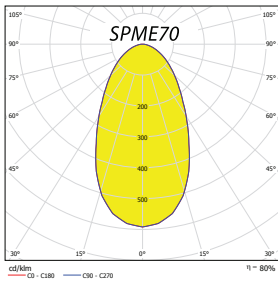
Mat aluminium reflector
Heat resistant front glass

Wiring (#):

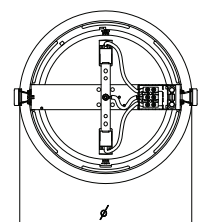
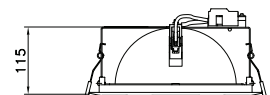
K - compensated, ballast cat. B
EP - high frequency ballast

Note:

Gear box is located separately.



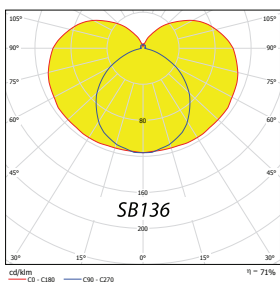
	W	∅	□	⊗	kg
SPME35#100/G12	1x35	160	145	HIT	3,1
SPME50#100/G12	1x50	160	145	HIT	3,3
SPME70#100/G12	1x70	160	145	HIT	3,5
SPME70#200/RX7s	1x70	235	215	HIT-DE	3,5
SPME150#200/RX7s	1x150	235	215	HIT-DE	3,9



SB



SB118

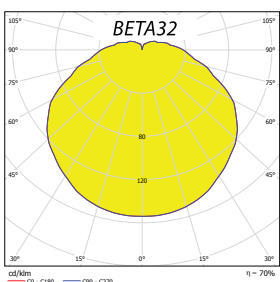


Typ	W	A	X	kg
SB110#	1x10	428	210	0,7
SB115#	1x15	530	220	0,9
SB118#	1x18	684	350	1,1
SB130#	1x30	987	650	1,4
SB136#	1x36	1292	960	1,6
SB158EP	1x58	1592	1260	1,2

BETA



BETA32K2



Typ	W	A	kg
BE122@	1x22	275	1,1
BE132@	1x32	375	1,5
BE140@	1x40	460	1,9

Residential batten light fittings

Body:

White painted (RAL 9003) aluminium sheet with ABS plastic endcaps.

Optic:

Prismatic PMMA cover

Wiring (#):

N - uncompensated, ballast cat. B
EP - high frequency ballast

Application:

Surface mounted line luminaire for residential use.

Note:

Luminaires are equipped with a light switcher, delivered with a lamp.

Residential light fittings

Body:

White ABS plastic body

Optic:

Opal acrylic PMMA cover

Wiring:

K - compensated, ballast cat. B

Application:

Surface mounted luminaire for residential use.

Version:

K1 - opal cover
K2 - opal cover with stripes

Note:

Luminaires are delivered with a lamp (T-R).

Residential light fittings

BRKL



BRKL375

Body:
White painted (RAL 9003) metal sheet

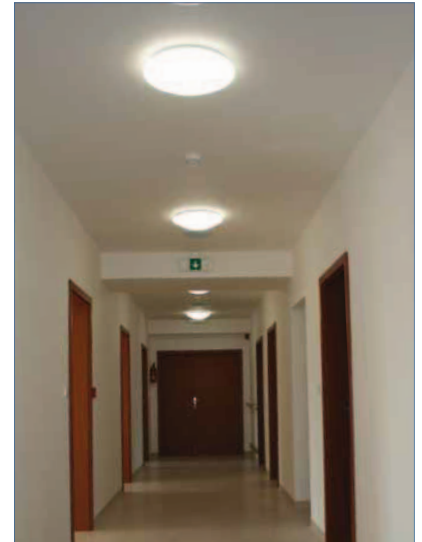
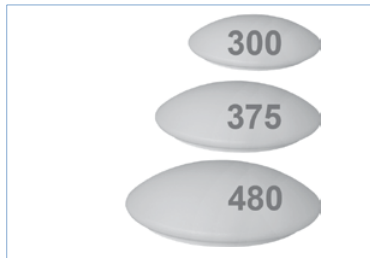
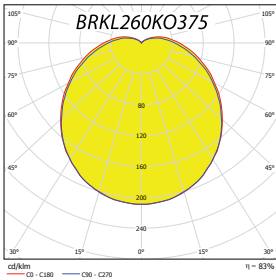
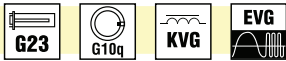
Optic:
KO - opal PMMA cover

Wiring:
N - uncompensated, ballast cat. B
EP - high frequency ballast

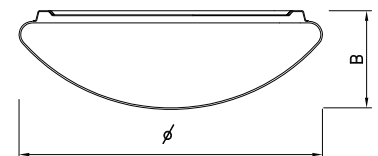
Application:
Surface mounted luminaire for residential use.

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

Note:
Fittings with E27 lampholders can be used with bulb 60W at most.

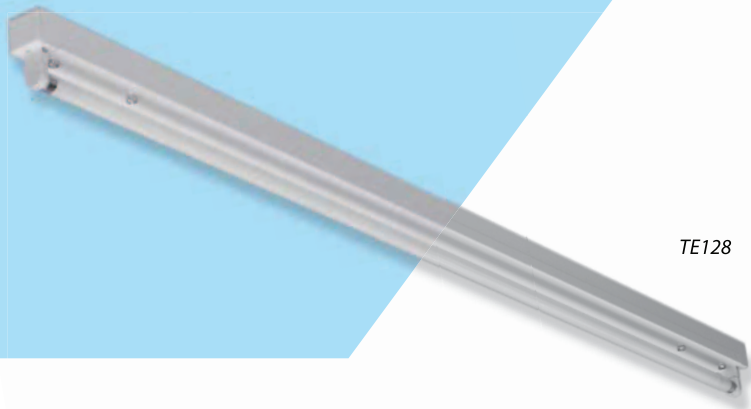


		W	Ø	Ø	B
BRKL 300	BRKL160KO300/E27	1x60	E27	300	105
	BRKL209KO300/G23	2x9	TC-S	300	105
BRKL 375	BRKL211KO375/G23	2x11	TC-S	300	105
	BRKL160KO375/E27	1x60	E27	375	125
	BRKL260KO375/E27	2x60	E27	375	125
	BRKL122KO375/2GX13	1x22	T5 R	375	125
	BRKL218KO375/G24#	2x18	TC-D	375	125
	BRKL136KO375/2G10#	1x36	TC-F	375	125
BRKL 480	BRKL140KO375/2GX13	1x40	T5 R	375	125
	BRKL260KO480/E27	2x60	E27	480	150
	BRKL224KO480/2G10#	2x24	TC-F	480	150
	BRKL236KO480/2G10#	2x36	TC-F	480	150



TE, TP

Industrial batten light fittings, IP20



TE128

Body:

White painted (RAL 9003) metal sheet

Wiring (#):

- N - uncompensated, ballast cat. B
- K - compensated, ballast cat. B
- EP - high frequency ballast HFB (standard)
- EPSA - HFB analogue dimmable (1-10 V)
- EPSD - HFB digital dimmable TRIDONIC ECO
- EPSDD - HFB digital dimmable DALI
- MULTIWATT - universal HFB for T5 lamps

Application:

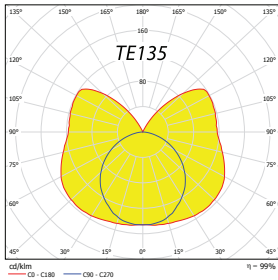
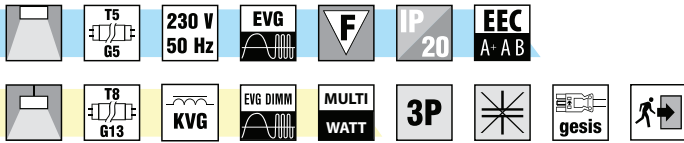
Light fittings for shopping or industrial areas, for surface or pendant installation. Fittings can be connected to row by 3-poles connectors (TE /3K versions).

Accessories:

- reflectors - REFTEAL, REFTEB, REFTEAS
- Cord suspension - ZH22

Versions:

- F - with flexible cord
- 3K - continuous assembly with 3-poles connector GESIS mini®
- TP - fittings with PMMA lamp cover



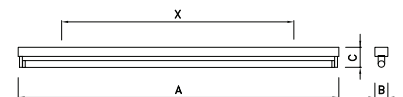
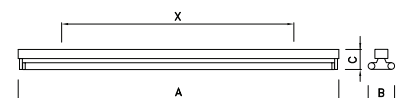
TP128

	W	A	B	C	X	kg
TE118 #	1x18	620	47	75	490	1,6
TE136 #	1x36	1230	47	75	800	1,8
TE158 #	1x58	1530	47	75	1200	2,2
TE218 #	2x18	620	102	75	490	1,9
TE236 #	2x36	1230	102	75	800	2,2
TE258 #	2x58	1530	102	75	1200	2,6
TE114 (24) #	1x14 (24)	584	37	71	400	1,3
TE121(39) #	1x21(39)	884	37	71	700	1,4
TE128 (54) #	1x28 (54)	1184	37	71	900	1,5
TE135 (49, 80) #	1x35 (49, 80)	1484	37	71	1200	1,9
TE214 (24) #	2x14 (24)	584	68	71	400	1,3
TE221(39) #	2x21(39)	884	68	71	700	1,4
TE228 (54) #	2x28 (54)	1184	68	71	900	1,5
TE235 (49, 80) #	2x35 (49, 80)	1484	68	71	1200	1,9

	W	A	B	C	X	kg
TP118 #	1x18	620	47	81	490	1,6
TP136 #	1x36	1230	47	81	800	1,8
TP158 #	1x58	1530	47	81	1200	2,2
TP114 (24) #	1x14 (24)	584	37	77	400	1,3
TP121(39) #	1x21(39)	884	37	77	700	1,4
TP128 (54) #	1x28 (54)	1184	37	77	900	1,5
TP135 (49, 80) #	1x35 (49, 80)	1484	37	77	1200	1,9



TE128/3K

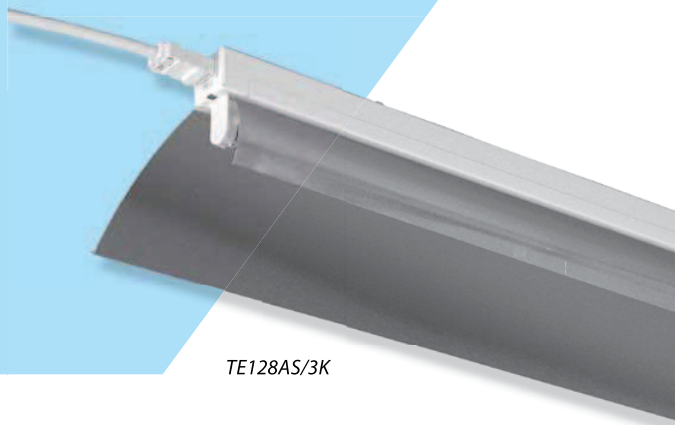


Replaceable reflectors for MODUS TE

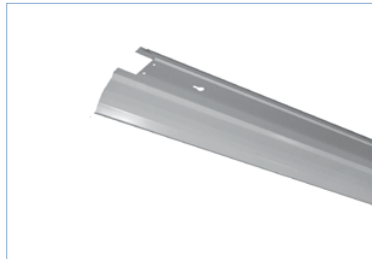
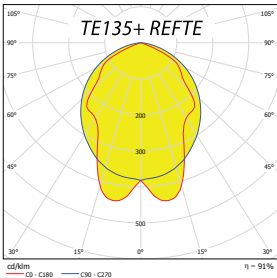
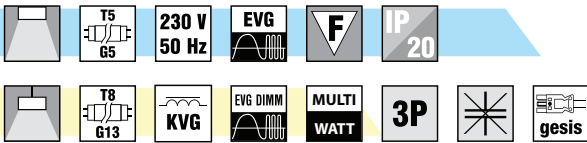
REF TE

- AL - symmetric high polished aluminium reflector
- B - symmetric white reflector
- AS - asymmetric high polished aluminium reflector

Note:
Reflectors for single-lamp and double-lamp version of fittings are identical.



TE128AS/3K



REFTEB



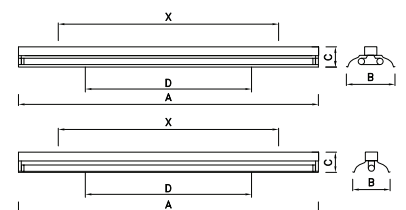
REFTEAL



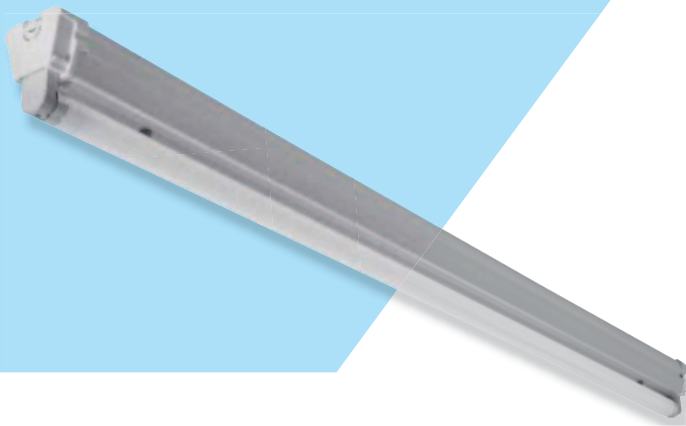
REFTEAS

	W	A	B	C	D
REFTEAL(B)18	1(2)x18	640	200	88	378
REFTEAL(B)36	1(2)x36	1250	200	88	988
REFTEAL(B)58	1(2)x58	1550	200	88	1288
REFTEAL(B)14	1(2)x14 (24)	600	170	88	400
REFTEAL(B)21	1(2)x21 (39)	900	170	88	626
REFTEAL(B)28	1(2)x28 (54)	1200	170	88	926
REFTEAL(B)35	1(2)x35 (49, 80)	1500	170	88	1226

	W	A	B	C	D
REFTEAS118	1x18	640	170	98	378
REFTEAS136	1x36	1250	170	98	988
REFTEAS158	1x58	1550	170	98	1288
REFTEAS114	1x14 (24)	584	170	98	400
REFTEAS128	1x28 (54)	1184	170	98	926
REFTEAS135	1x35 (49, 80)	1484	170	98	1226



Industrial batten light fittings for lamps T8, IP20



TU136

Body:

White painted (RAL 9003) metal sheet, plastic endcaps

Wiring (#):

N - uncompensated, ballast cat. B
 K - compensated, ballast cat. B
 EP - high frequency ballast HFB (standard)
 EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI

Application:

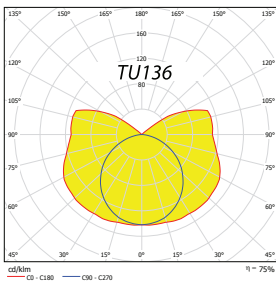
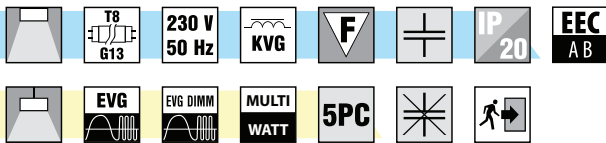
Surface mounted or suspended light fittings for shopping or industrial areas.

Accessories:

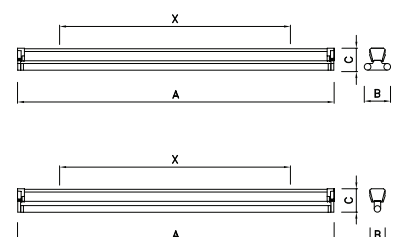
reflectors - REFTUAL, REFTUB, REFTUAS
 Cord suspension - ZH22

Versions:

F - with flexible cord
 NZ - emergency pack
 P - through wiring (continuous assembly)

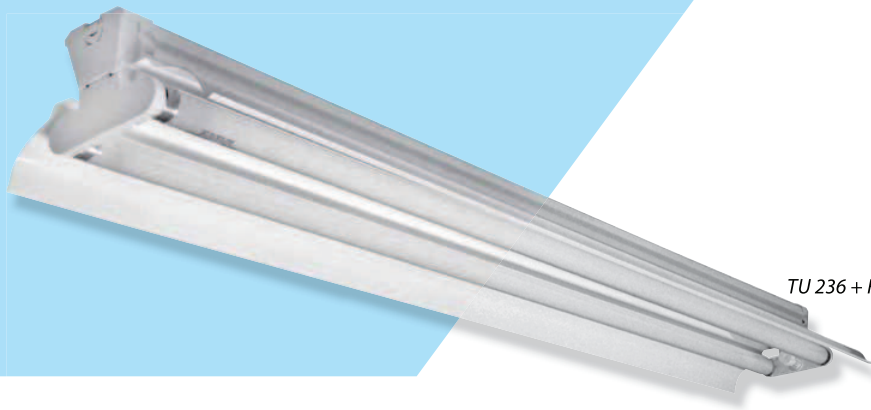


	W	A	B	C	X	kg
TU118#	1x18	617	60	90	450	1,2
TU130#	1x30	920	60	90	700	1,8
TU136#	1x36	1227	60	90	900	2,4
TU158#	1x58	1527	60	90	1200	2,7
TU218#	2x18	617	102	86	450	1,3
TU230#	2x30	920	102	86	700	2,4
TU236#	2x36	1227	102	86	900	3,2
TU258#	2x58	1527	102	86	1200	3,8



REF TU

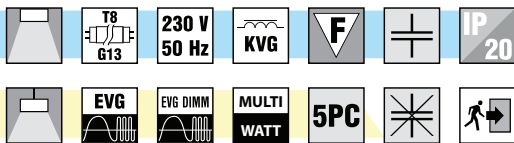
Replaceable reflectors for MODUS TU



TU 236 + REFTUB

- AL - symmetric high polished aluminium reflector
- B - symmetric white reflector
- AS - asymmetric high polished aluminium reflector

Reflectors for single-lamp and double-lamp version of fittings are different (a hole for an ignitor).



REFTUB



REFTUAS

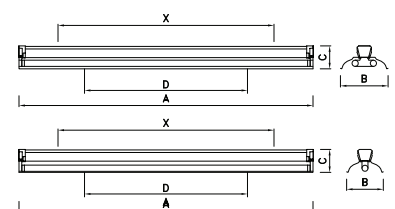


REFTUAL



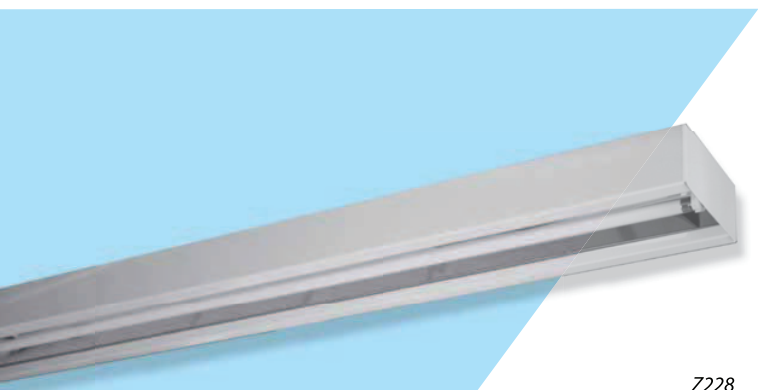
	W	A	B	C	D
REFTUAL(B)118	1x18	615	200	104	378
REFTUAL(B)136	1x36	1225	200	104	988
REFTUAL(B)158	1x58	1525	200	104	1288
REFTUAL(B)218	2x18	615	200	104	378
REFTUAL(B)236	2x36	1225	200	104	988
REFTUAL(B)258	2x58	1525	200	104	1288

	W	A	B	C	D
REFTUAS118	1x18	615	170	110	378
REFTUAS136	1x36	1225	170	110	988
REFTUAS158	1x58	1525	170	110	1288

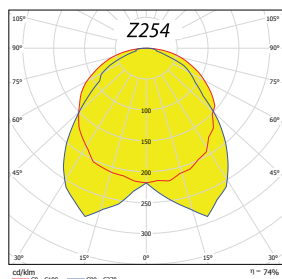
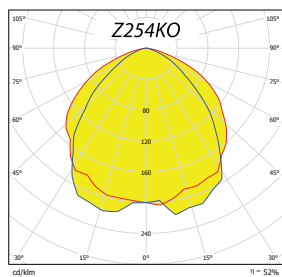
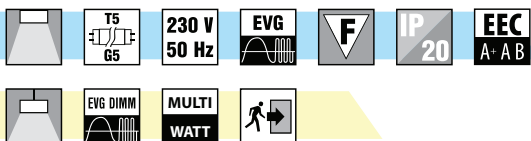


Z

Industrial fittings for installation to row



Z228



ZCELA - ZSPOJ

Body:

Grey (RAL9007) or white painted (RAL 9003) metal sheet

Optic (&):

Highly polished aluminium reflektor
KO - opal cover
KC - prismatic cover

Wiring (#):

EP - high frequency ballast HFB (standard)
EPSA - HFB analogue dimmable (1-10 V)
EPSD - HFB digital dimmable TRIDONIC ECO
EPSDD - HFB digital dimmable DALI

Application:

Light fittings for shopping or industrial areas, for surface or pendant installation. They can be installed individually or connected into a row.

Accessories for surface installation:

DRZAKZ - set of 2 pcs INOX brackets (1 set / 1 luminaire)

ZCELA - set of 2 pcs white endcaps (1 set / 1 single luminaire or 1 row)

ZSCELA - set of 2 pcs grey endcaps (1 set / 1 single luminaire or 1 row)

Accessories for pendant installation:

ZCELA/Z - set of 2 pcs white endcaps and rope suspensions (1 set / 1 single luminaire or 1 row)

ZSPOJ/Z - set of white connection part incl. suspension (1 set for each connection point of luminaires in a row)

ZSCELA/Z - set of 2 pcs grey endcaps and rope suspensions (1 set / 1 single luminaire or 1 row)

ZSSPOJ/Z - set of grey connection part incl. suspension (1 set for each connection point of luminaires in a row)

Versions:

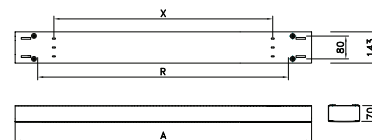
Z - luminaires finished in white (RAL9003)

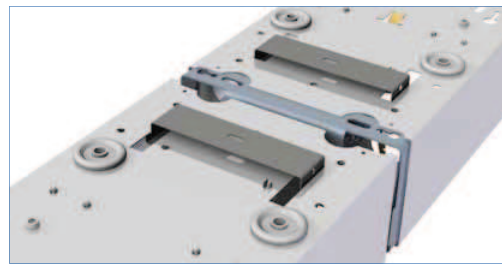
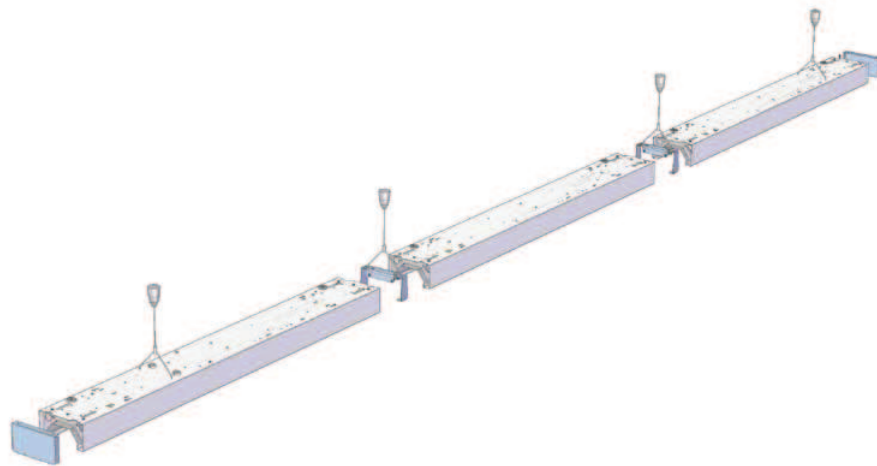
ZS - luminaires finished in grey (RAL9007), without cover

KO - opal cover

KC - prismatic cover

	W	A	X	R
Z(S)128(54)&#	1x28(54)	1200	850	900
Z(S)135(49, 80)&#	1x35(49, 80)	1500	1150	1200
Z(S)228(54)&#	2x28(54)	1200	850	900
Z(S)235(49, 80)&#	2x35(49, 80)	1500	1150	1200





DRZAKZ

Note:

Luminaires are always equipped with an aluminum reflector and can be used without the cover for the highest light output. They can be also complemented by opal or prismatic cover.

Fittings are connected in row with connection parts which also serves as a hanging points. To closing the row should be used endcaps. All luminaires are fitted with continuous wiring 5x1, 5mm² and can be used anywhere in a row. They aren't specified as starting, continuing or terminal.

For single installation of a luminaire have to be ordered one set of endcaps as well.

Surface installation:

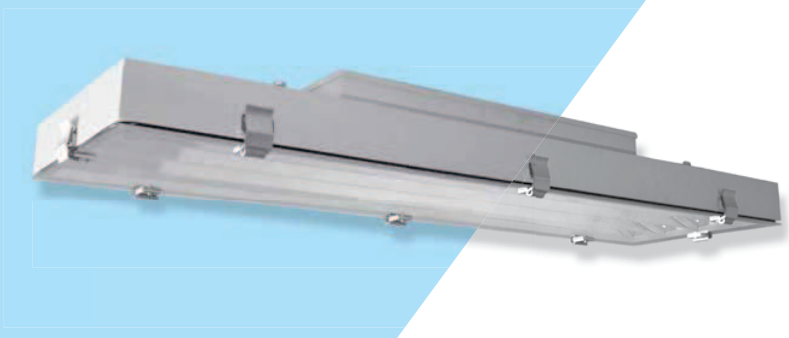
Installation of luminaires to row is done with DRZAKZ brackets, each bracket is positioned 50 mm from the end fitting. Single luminaire can be mounted in the same way as when mounted into rows (using DRZAKZ) or without brackets, using 4 assembly holes in a fitting body (distance "X, Y" in the table).

Pendant installation:

Hanging of fittings in a row is done 175 mm from the beginning and end of the row and in all places of connecting points. Single luminaire can be hung using a set of ZH11 (distance "R" in the table).

MEGA

Industrial luminaire



MEGA454

Body:

White painted (RAL9003) metal sheet, toughened front glass, aluminum clips

Optic:

Highly polished parabolic reflectors made of MIRO® aluminium

Wiring (&):

EP - high frequency ballast HFB (standard)
EPSDD - HFB digital dimmable DALI

Application:

Supermarkets, assembly halls, stocks, etc. – as an alternative for discharge lamp luminaires

Assembly:

Pendant installation

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

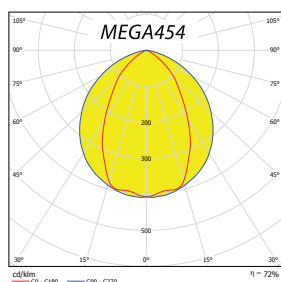
To connect to the network are fittings equipped with 3m cable with open end

Versions:

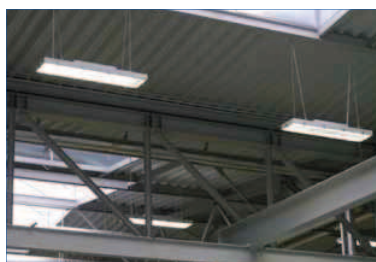
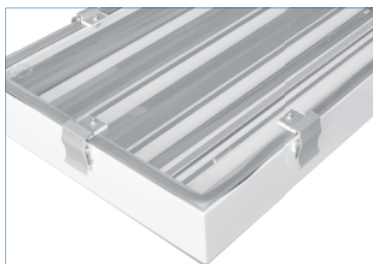
MEGA – with toughened glass cover, IP65
MEGAB – without glass cover, IP20

Notes:

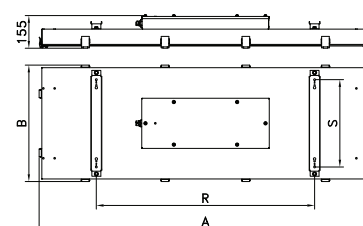
The luminaires are equipped with electronic ballasts. Wiring is made in more circuits, always for pairs of tubes. 2- lamps luminaires are wired to one circuit, 4- lamps luminaires on two circuits and lights with six tubes are wired to 3 separate circuits. An input cable corresponds to this principle. This arrangement easily allows to manage the level of lighting according to daylight. To avoid flux decline due to increased temperature are luminaires MEGA certified for use only with T5 lamps CONSTANT.



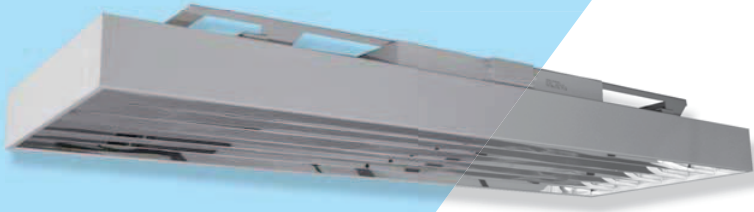
SUSPENSION HOOK



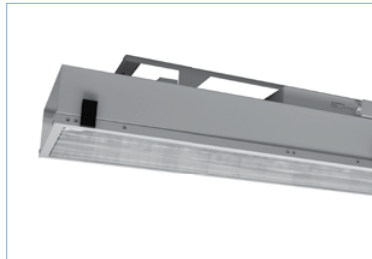
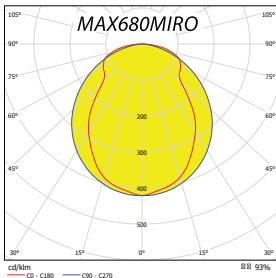
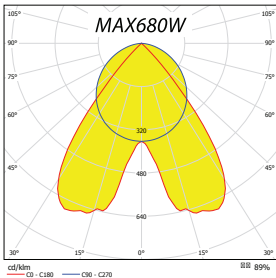
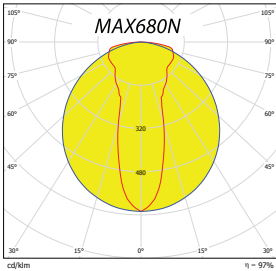
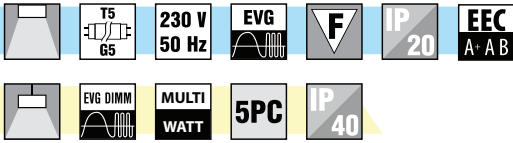
	W	Ta (°C)	A	B	R	S	kg
MEGA254&	2x54	50	1225	215	940	140	10,7
MEGA280&	2x80	50	1525	215	1000	140	12,1
MEGA454&	4x54	50	1225	375	940	300	15,7
MEGA480&	4x80	40	1525	375	1000	300	18,0
MEGA654&	6x54	35	1225	535	940	460	20,3
MEGA680&	6x80	35	1525	535	1000	460	23,5



High power fluorescent lamps (T5) fittings



MAX680



MAX480/IP40



HOLDER MAX

Body:

White painted (RAL9003) metal sheet

Optic:

Highly polished parabolic reflectors made of MIRO® aluminium
 MIRO N - narrow beam
 MIRO W - wide beam
 MIRO - middle beam, for general use

Wiring (#):

EP - high frequency ballast HFB (standard)
 EPSDD - HFB digital dimmable DALI

Application:

Supermarkets, assembly halls, stocks, etc. – an alternative for discharge lamps luminaires.

Assembly:

Fittings can be surface mounted or suspended.

Easy mounting by using special holder - installation goes in two steps:

1. Fixing fitting's holder.
2. Hanging fitting into holder.

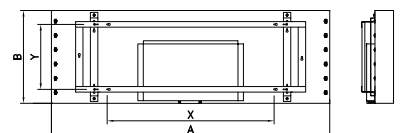
Cable connection with external terminal block enables continuous connection of fittings.

Versions:

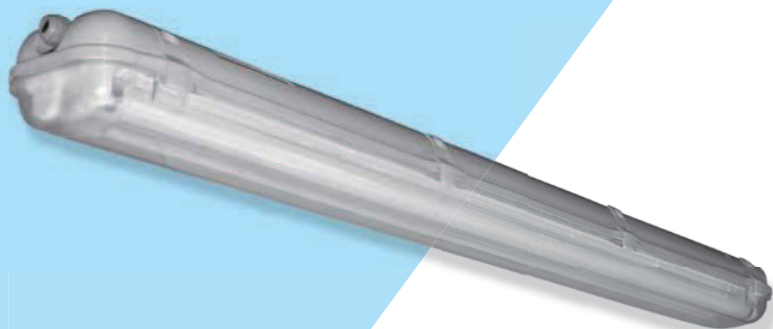
MAX - IP20

MAXP - IP40 – fittings with PC cover – 4-lamps version only

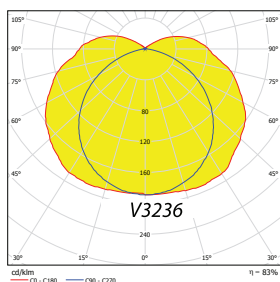
	W	A	B	C	X	Y	kg
MAX480MIRO	4x80	1500	350	112	900	230	8,0
MAX480MIRON	4x80	1500	350	112	900	230	8,0
MAX480MIROW	4x80	1500	350	172	900	230	10,0
MAX680MIRO	6x80	1500	500	112	900	350	11,0
MAX680MIRON	6x80	1500	500	112	900	350	11,0
MAX680MIROW	6x80	1500	500	172	900	350	13,0



V3



V3236



INOX

Waterproof light fittings

Body:

ABS or PC, white painted (RAL 9003) metal sheet, PC clips

Optic:

PC - polycarbonate cover

Wiring (#):

EPSA - HFB analogue dimmable (1-10 V)
 EPSD - HFB digital dimmable TRIDONIC ECO
 EPSDD - HFB digital dimmable DALI
 MULTIWATT - universal HFB for T5 lamps
 LED - light fitting without a ballast, ready to use LED tubes T8

Accessories:

Cord suspension ZH22
 Protection grid OM
 INOX clips set (set 1410189002 for 18W luminaires, 1410369002 for 36w luminaires and 1410589002 for 58W luminaires)

Application:

Light fittings can be used as surface mounted or suspended.

Versions (@):

NZ - emergency pack (for version with HFB only)
 F - with flexible cord
 P - continuous assembly (through wiring) 5x1,5 mm
 INOX - stainless clips
 R - fittings with highly polished aluminium reflector inside
 RE - fittings with embossed aluminium reflector inside

Note:

Stainless bracket for surface mounting or suspension and 2 grommets IP65 are included.
 Fittings can be used in ambient temperature max $t_a = 45^\circ\text{C}$, version 2x58W $t_a = 40^\circ\text{C}$.

Wiring LED:

Luminaires are fitted for use with T8 LED lamps OSRAM Substitube advanced or PHILIPS LEDtube. Standard T8 fluorescent lamps cannot be used into these luminaires. Lamps are certified for use only with mentioned tubes. Use of other LED tubes is not approved and could lead to malfunctioning lights or damaging for which the manufacturer is not responsible.

T8	*	W	A	B	R	Kg
V3118#@	ABS	1x18W	660	86	350	1,40
V3218#@	ABS	2x18W	660	136	350	1,70
V3136PC#@	PC	1x36W	1270	86	900	1,80
V3236#@	ABS	2x36W	1270	136	900	2,10
V3158PC#@	PC	1x58W	1570	86	1200	2,30
V3258PC#@	PC	2x58W	1570	136	1200	2,60

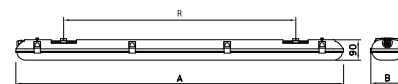
T5	*	W	A	B	R	Kg
V3114(24) #@	ABS	1x14(24)W	660	86	350	1,20
V3214(24) #@	ABS	2x14(24)W	660	136	350	1,50
V3128(54)PC#@	PC	1x28(54)W	1270	86	900	1,50
V3228(54) #@	ABS	2x28(54)W	1270	136	900	1,90
V3135(49,80)PC#@	PC	1x35(49,80)W	1570	86	1200	2,10
V3235(49,80)PC#@	PC	2x35(49,80)W	1570	136	1200	2,30

LED	*	W	A	B	R	kg
V3L1LED600 &@	ABS	1x10	660	86	350	1,0
V3L2LED600 &@	ABS	2x10	660	136	350	1,2
V3L1LED1200 &@	PC	1x20	1270	86	900	1,4
V3L2LED1200 &@	ABS	2x20	1270	136	900	1,6
V3L1LED1500 &@	PC	1x25	1570	86	1200	1,6
V3L2LED1500 &@	PC	2x25	1570	136	1200	2,2

* - material of body



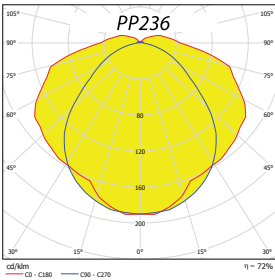
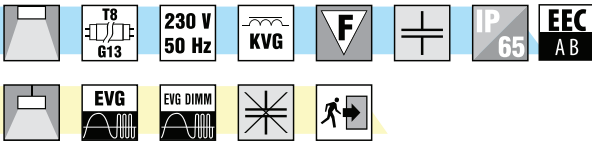
STAINLESS BRACKETS + GROMMETS



Waterproof light fittings



PP236



PP136



INOX

Body:

High quality glass reinforced pressed polyester PE body, white painted (RAL 9003) metal sheet , PC clips

Optic:

PC - polycarbonate cover

Wiring:

- N - uncompensated, ballast cat. B
- K - compensated, ballast cat. B
- EP - high frequency ballast HFB (standard)
- EPSA - HFB analogue dimmable (1-10 V)
- EPSD - HFB digital dimmable TRIDONIC ECO
- EPSSD - HFB digital dimmable DALI

Application:

light fittings can be used as surface mounted or suspended.

Accessories:

- Cord suspension - ZH22
- Protection grid - OM

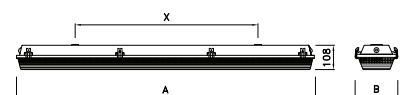
Versions:

- NZ - emergency pack (for version with HFB only)
- F - with flexible cord
- P - continuous assembly (through wiring) 5x1,5 mm

Note:

Fittings can be used in ambient temperature max $t_a = 25^{\circ}\text{C}$.

	W	A	B	X	kg
PP118#@	1x18W	702	115	500	2,1
PP218#@	2x18W	702	185	500	2,4
PP136#@	1x36W	1312	115	800	2,8
PP236#@	2x36W	1312	185	800	4,6
PP158#@	1x58W	1613	115	1100	3,7
PP258#@	2x58W	1613	185	1100	6,5



BELLIO

High-bay



BEL250Q

Body:

Powder painted aluminium gear box

Optic:

BEL AL - profiled aluminium reflector

Wiring:

compensated, ballast cat. B

QS - high pressure sodium or metal halide lamp (HPS, HQI)

Q - metal halide lamp (HQI) only

M - mercury lamp (MBF)

E40 - wiring with E40 only

Application:

Pendant high bay, intended for storage and industrial halls.

Optimal height of installation is 6-14 m.

Accessories:

Reflector AL - 51029901

Toughened glass cover - 1020004003

Protection steel grid - 54300

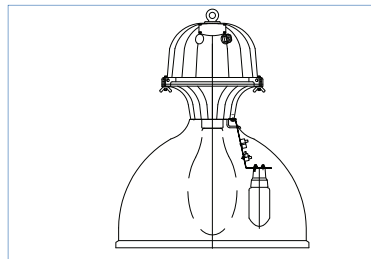
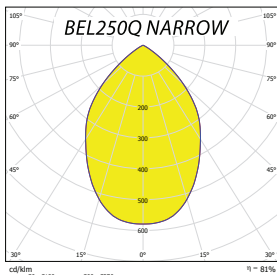
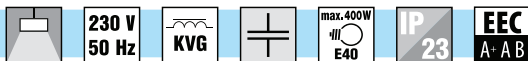
Note:

Via movable lampholder the fitting can be installed as wide beam (bottom position of lampholder) or as narrow beam (upper position of lampholder).

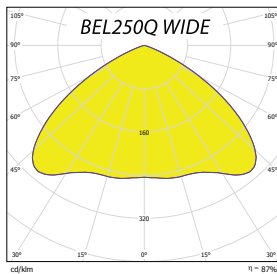
BEL.../Z - luminaires are equipped with additional halogenid lamp 150W with switching device to cover the time needed to reignite the discharge lamp or wait for full luminous flux of the discharge lamp.

BELLIO - fitting is delivered without lamp.

The right type of the lamp depends on components inside the fitting – for info about recommended lamps visit our website www.moduslighting.eu.



BEL/Z



GLASS COVER - 1020004003



	W	*	**	⊗		***	kg
BELAL150Q	1x150	NAHJ	Serial 3,5-4,5kV	HQI	E27	1,8	5,3
BELAL150S	1x150	NAHJ	Serial 3,5-4,5kV	HPS	E40	1,8	5,4
BELAL250QS	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	6,0
BELAL400QS	1x400	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	4,6	7,0
BELAL250Q/2,15A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	5,9
BELAL400Q/3,5A	1x400	M	Paralel 0,6-1kV	HQI	E40	3,5	6,8
BELAL250Q/2,15A/S17	1x250	M	Serial 3,5-4,5kV	HQI	E40	2,15	5,9
BELAL400Q/3,5A/S17	1x400	M	Serial 3,5-4,5kV	HQI	E40	3,5	6,8
BELAL125M	1x125	M	-	MBF	E27	-	5,0
BELAL250M	1x250	M	-	MBF	E40	-	5,8
BELAL400M	1x400	M	-	MBF	E40	-	6,5
BELAL E40	1x500	-	-	-	E40	-	4,0

* - NAHJ - magnetic ballast for high pressure sodium and metal halide lamps,
 *** - balast current (A)

M - magnetic ballast for mercury lamp, ** - ignitor,

High-bay with polycarbonate reflector

BUTIC



BUTIC150Q

Body:

Powder painted aluminium gear box

Optic:

PC - polycarbonate reflector

Application:

Pendant high bay, intended for supermarkets, storage and industrial halls.

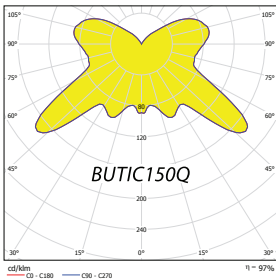
Wiring:

compensated, ballast cat. B

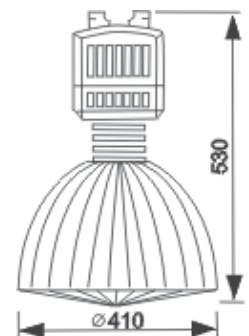
Q - metal halide lamp (HQI)

S - high pressure sodium lamp (HPS)

E27 - wiring with E27 only



	W		∅	C
BUT50S	1x50	E27	410	530
BUT70QS	1x70	E27	410	530
BUT100S	1x100	E40	410	530
BUT100Q	1x100	E27	410	530
BUT150Q	1x150	E27	410	530
BUTE27	1x E27	E27	410	530



VARIO /M

Symmetric / asymmetric floodlights - small body



VARIO 150Q/M

Body:

Durable die-cast aluminium body in grey colour, toughened front glass cover, aluminium clips.

Optic:

Symmetric embossed aluminium reflector
Asymmetric embossed aluminium reflektor (A)

Wiring:

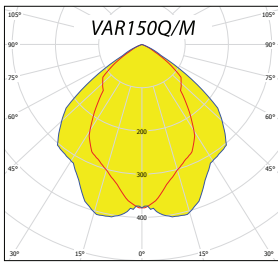
compensated, ballast cat. B
QS - high pressure sodium or metal halide lamp (HPS, HQI)
Q - metal halide lamp (HQI) only

Application:

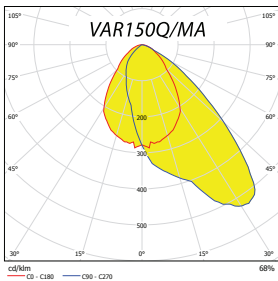
High quality floodlight for internal or external use.

Note:

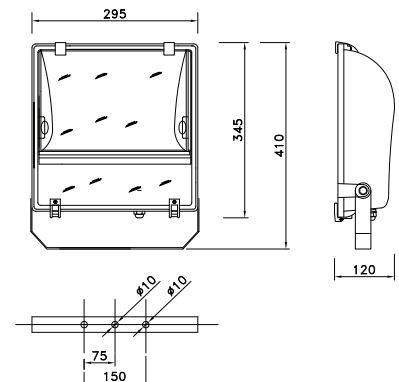
VARIO floodlight is delivered without lamp. The right type of the lamp depends on components inside the fitting – for info about recommended lamps visit our website www.moduslighting.eu



VAR150Q/MA



	W	Ø		kg
VAR 70Q/M	1x70	HQI	RX7s	5,3
VAR 150Q/M	1x150	HQI	RX7s	6,0
VAR 70Q/MA	1x70	HQI	RX7s	5,3
VAR 150Q/MA	1x150	HQI	RX7s	6,0



Symetric / asymmetric floodlights



VAR250QS



Body:

Durable die-cast aluminium body in grey colour, toughened front glass cover, aluminium clips.

Optic:

Symetric embossed aluminium reflector
Asymetric embossed aluminium reflektor (A)

Wiring:

compensated, ballast cat. B
QS - high pressure sodium or metal halide lamp (HPS, HQI)
Q - metal halide lamp (HQI) only

Accessories:

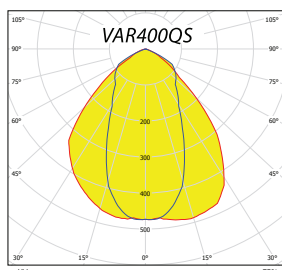
Anti glare louvre

Application:

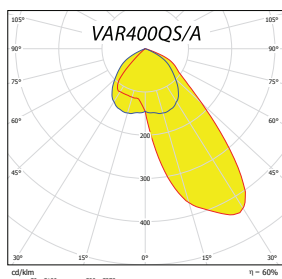
High quality floodlight for internal or external use.

Note:

VARIO floodlight is delivered without lamp.
The right type of the lamp depends on components inside the fitting – for info about recommended lamps visit our website www.moduslighting.eu.

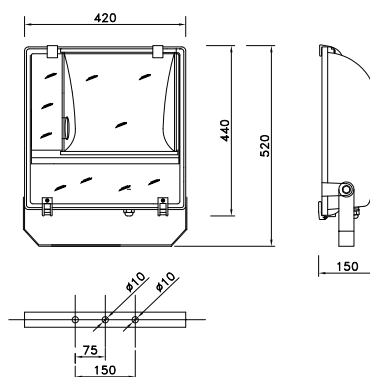


VAR250Q/A



	W	*	**	⊗		***	kg
VAR250QS	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	6,5
VAR250Q/2,15A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	6,4
VAR400Q/3,5A	1x400	M	Paralel 0,6-1kV	HQI	E40	3,5	7,4
VAR250Q/2,15A/S17	1x250	M	Serial 3,5-4,5kV	HQI	E40	2,15	6,4
VAR400Q/3,5A/S17	1x400	M	Serial 3,5-4,5kV	HQI	E40	3,5	7,4

	W	*	**	⊗		***	kg
VAR250QS/A	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	6,5
VAR250Q/2,15A/A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	6,4
VAR400Q/3,5A/A	1x400	M	Paralel 0,6-1kV	HQI	E40	3,5	7,4
VAR250Q/2,15A/S17/A	1x250	M	Serial 3,5-4,5kV	HQI	E40	2,15	6,4
VAR400Q/3,5A/S17/A	1x400	M	Serial 3,5-4,5kV	HQI	E40	3,5	7,4



* - NAHJ - magnetic ballast for high pressure sodium and metal halide lamps,
** - ignitor, *** - balast current (A)

M- magnetic ballast for mercury lamp,

CRONO 1, 2

Symmetric / asymmetric floodlights - small body



CRONO150

Body:

Durable die-cast aluminium body in black colour, toughened front glass cover, stainless steel clips.

Optic:

Symmetric embossed aluminium reflector
Asymmetric embossed aluminium reflektor (A)

Wiring:

compensated, ballast cat. B
S - high pressure sodium (HPS)
Q - metal halide lamp (HQI)

Application:

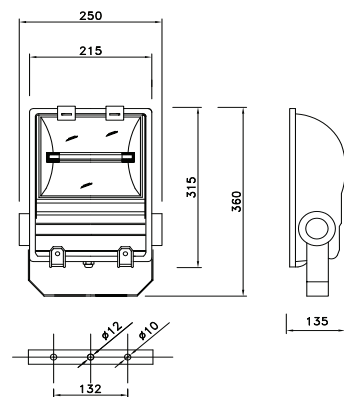
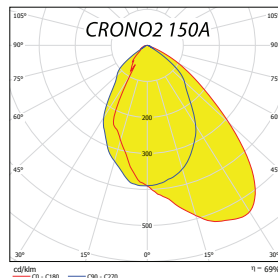
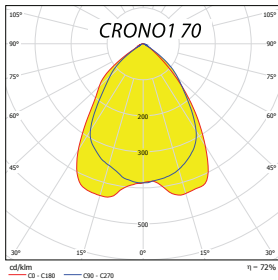
High quality floodlight for internal or external use.

Variants:

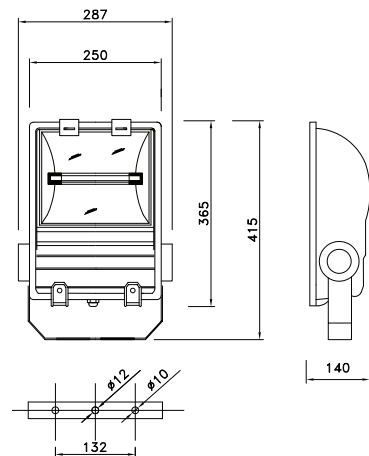
CRONO 1 – small body
CRONO 2 – medium body

Note:

CRONO floodlight is delivered without lamp.



CRONO 1



CRONO 2

	W	⊗		kg
CRONO1 70Q	1x70	HQI	RX7s	3,65
CRONO1 70QA	1x70	HQI	RX7s	3,65
CRONO1 70S	1x70	HPS	RX7s	3,65
CRONO1 70SA	1x70	HPS	RX7s	3,65
CRONO2 150Q	1x150	HQI	RX7s	4,65
CRONO2 150QA	1x150	HQI	RX7s	4,65
CRONO2 150S	1x150	HPS	RX7s	4,65
CRONO2 150SA	1x150	HPS	RX7s	4,65

Symetric / asymmetric floodlights

CRONO



CRONO250Q

Body:

Durable die-cast aluminium body in black colour, toughened front glass cover, stainless steel clips.

Optic:

Symetric embossed aluminium reflector
Asymetric embossed aluminium reflektor (A)

Wiring:

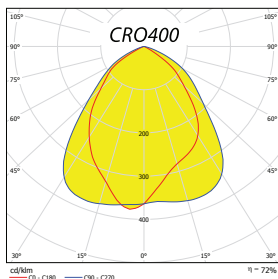
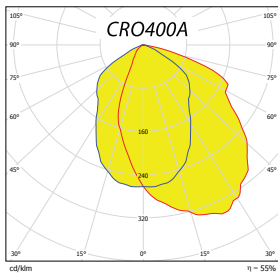
compensated, ballast cat. B
S - high pressure sodium (HPS)
Q - metal halide lamp (HQI)

Application:

High quality floodlight for internal or external use.

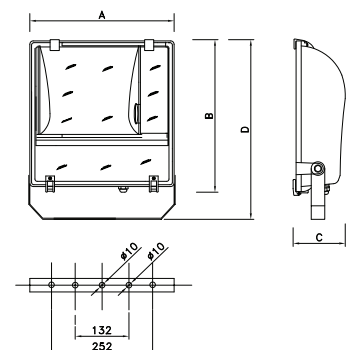
Note:

CRONO floodlight is delivered without lamp.



	W	Ø	A*	B*	C	kg
CRONO250Q	1x250	E40	410 (430)	420 (450)	144	8,6
CRONO250QA	1x250	E40	410 (430)	420 (450)	144	8,6
CRONO400Q	1x400	E40	410 (430)	420 (450)	144	9,6
CRONO400QA	1x400	E40	410 (430)	420 (450)	144	9,6
CRONO250S	1x250	E40	410 (430)	420 (450)	144	8,6
CRONO250SA	1x250	E40	410 (430)	420 (450)	144	8,6
CRONO400S	1x400	E40	410 (430)	420 (450)	144	11,1
CRONO400SA	1x400	E40	410 (430)	420 (450)	144	11,1

* - dimension without bracket (with bracket)





VV250QS

Body:

White painted (RAL 9003) metal sheet, toughened front glass cover
Removable light fitting holder for easy installation.

Optic:

Symetric embossed aluminium reflector

Wiring:

compensated, ballast cat. B
QS - high pressure sodium or metal halide lamp (HPS, HQI)
Q - metal halide lamp (HQI) only
M - mercury lamp (MBF)
E40 - wiring with E40 lampholder only

Application:

High quality low bay for internal use.

Accessories:

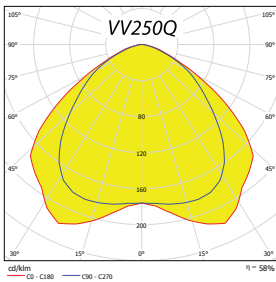
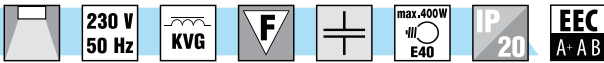
Protection grid OM VV

Variants:

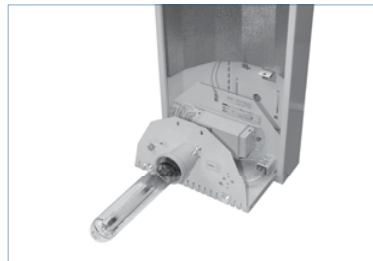
VV.../Z - luminaires are equipped with additional halogenid lamp 150W with switching device to cover the time needed to reignite the discharge lamp or wait for full luminous flux of the discharge lamp.

Note:

VV low-bay is delivered without lamp.
The right type of the lamp depends on components inside the fitting – for info about recommended lamps visit our website www.moduslighting.eu.



OMVV



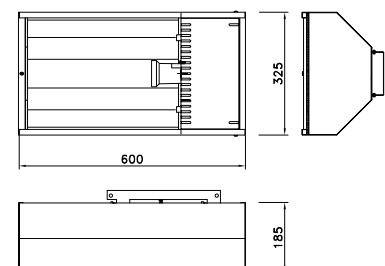
OPEN GEAR BOX VV

		*	**	⊗		***	kg
VV150Q	1x150	NAHJ	Serial 3,5-4,5kV	HQI	E27	1,8	8,5
VV150S	1x150	NAHJ	Serial 3,5-4,5kV	HPS	E40	1,8	8,5
VV250QS	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	9,6
VV400QS	1x400	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	4,6	10,5
VV250Q/2,15A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	9,3
VV400Q/3,5A	1x400	M	Paralel 0,6-1kV	HQI	E40	3,5	10,2
VV250M	1x250	M	-	MBF	E40		9,5
VV400M	1x400	M	-	MBF	E40		10,2
VV E40	1x500	-	-	-	E40		6,5

* - NAHJ - magnetic ballast for high pressure sodium and metal halide lamps,
** - ignitor,

M- magnetic ballast for mercury lamp,

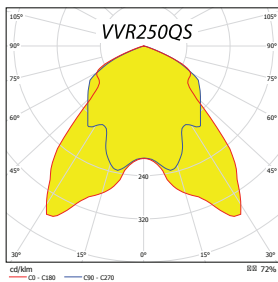
*** - balast current (A)



Low-bays IP65



VVR250QS



VVS250



VVR, VVS

Body:

White painted (RAL 9003) metal sheet, toughened front glass cover

Optic:

Symetric highly polished aluminium reflector

Wiring:

compensated, ballast cat. B

QS - high pressure sodium or metal halide lamp (HPS, HQI)

Q - metal halide lamp (HQI) only

M - mercury lamp (MBF)

E40 - wiring with E40 lampholder only

Application:

High quality low bay for indoor or outdoor use.

VVR – recessed luminaire

VVS – surface installed luminaire

Accessories:

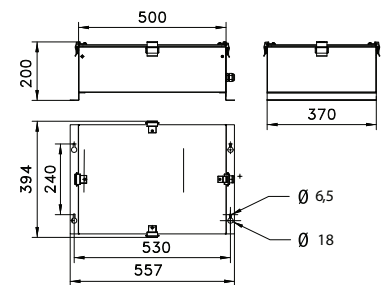
Protection grid OM VVR, OM VVS

Variants:

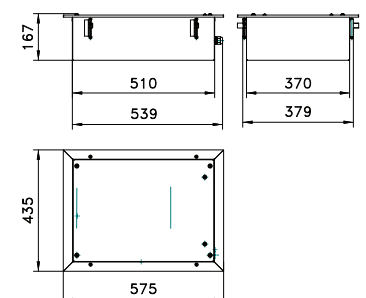
VV.../Z - luminaires are equipped with additional halogenid lamp 150W with switching device to cover the time needed to reignite the discharge lamp or wait for full luminous flux of the discharge lamp.

Note:

Luminaires are delivered without lamp. The right type of the lamp depends on components inside the fitting – for info about recommended lamps visit our website www.moduslighting.eu.



VVS



VVR

		*	**	⊗		***	kg
VVR250QS	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	11,5
VVR250Q/2,15A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	11,2
VVS250QS	1x250	NAHJ	Serial 3,5-4,5kV	HPS, HQI	E40	3	11,0
VVS250Q/2,15A	1x250	M	Paralel 0,6-1kV	HQI	E40	2,15	10,8

* - NAHJ - magnetic ballast for high pressure sodium and metal halide lamps,

M - magnetic ballast for mercury lamp,

** - ignitor,

*** - balast current (A)

BAR



BAR100Q

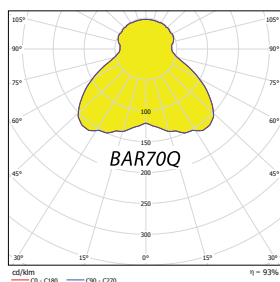
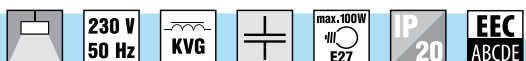
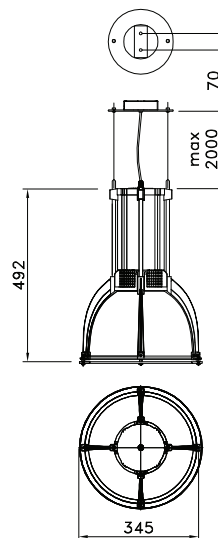
Interior fittings for discharge lamps

Body:
Powder painted aluminium gear box, cord suspension system 2 m

Optic:
Glass cover

Application:
Pendant high bay, intended for supermarkets, restaurants, etc.

Wiring:
compensated, ballast cat. B
Q - metal halide lamp (HQI)
E27 - wiring with E27 only



	W		Ø	C
BAR70Q	1x70	E27	345	492
BAR100Q	1x100	E27	345	492
BARE27	1x E27	E27	345	492

BON



BON70Q

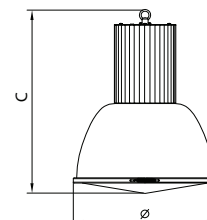
Interior fittings for discharge lamps

Body:
Powder painted aluminium gear box

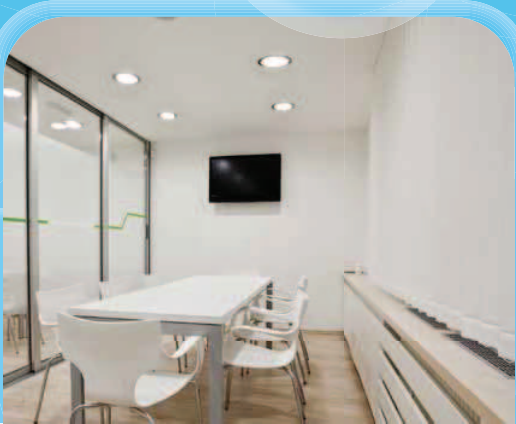
Optic:
PC clear polycarbonate reflector

Application:
Pendant high bay, intended for supermarkets, restaurants, etc.

Wiring:
Q - metal halide lamp (HQI)
E27 - wiring with E27 only



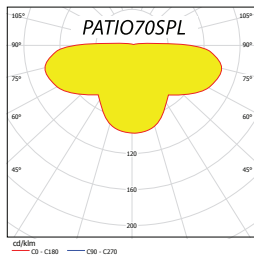
	W	Ø		Ø	C
BON35Q	1x35	HQI	G12	330	330
BON70Q	1x70	HQI	G12	330	330
BON26	1x26	CFL	E27	330	330
BON32	1x32	CFL	E27	330	330
BON42	1x42	CFL	E27	330	330
BONE27	1x E27	-	E27	330	330



PATIO



PATIO 70SPL



	W			Ø	C	kg
PATIO 70S &	70	HPS	E27	303	357	2,8
PATIO 142 &	42	CFL	GX24q	303	357	2,0
PATIO E27 &	max 75	-	E27	303	357	1,7

Park luminaires

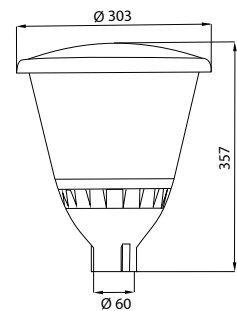
Body:
Powder painted aluminium die-cast
aluminum body, with nylon lid

Optic:
Aluminium reflector
CI - heat and UV stable shatterproof prismatic polycarbonate diffuser
PL - heat and UV stable shatterproof opal polycarbonate diffuser

Wiring:
compensated, ballast cat. B
S - high pressure sodium lamp (HPS)
Q - metal-halide lamp (HQI)
E27 - wiring with E27 lampholder only
CFL - compact fluorescent lamp

Application:
Optimal for paths, pedestrian zones,
parks, squares, etc.
Optimal height of installation 2-4 m

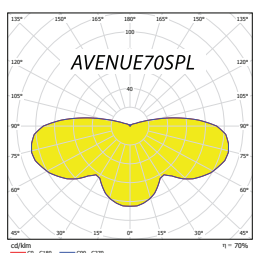
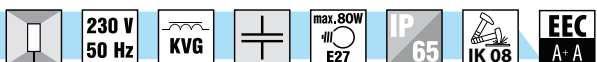
Note:
These fittings are delivered with a lamp



AVENUE



AVENUE 70SPL



	W			Ø	C	kg
AVENUE 70S &	70	HPS	E27	430	455	4,0
AVENUE 100S &	100	HPS	E40	430	455	4,6
AVENUE 80M &	80	MBF	E27	430	455	3,8
AVENUE 125M &	125	MBF	E27	430	455	3,9
AVENUE E27 &	max 75	-	E27	430	455	2,3

Park luminaires

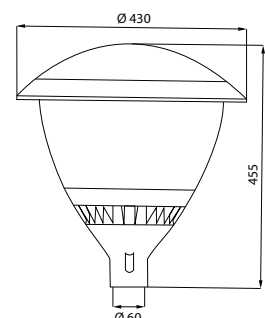
Body:
Powder painted aluminium die-cast
aluminum body, with nylon lid

Optic:
Aluminium reflector
CI - heat and UV stable shatterproof prismatic polycarbonate diffuser
PL - heat and UV stable shatterproof opal polycarbonate diffuser

Wiring:
compensated, ballast cat. B
S - high pressure sodium lamp (HPS)
M - high pressure mercury lamp (MBF)
Q - metal-halide lamp (HQI)
E27 - wiring with E27 lampholder only

Application:
Optimal for paths, pedestrian zones, parks,
squares, etc.
Optimal height of installation 3 - 6m

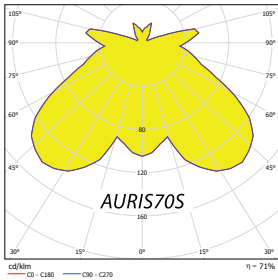
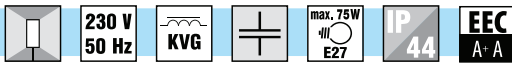
Note:
These fittings are delivered with a lamp
IK08



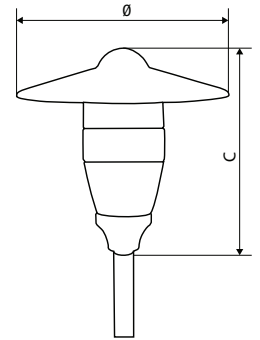
Exterior light fittings



AURIS70S



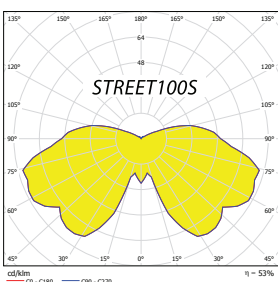
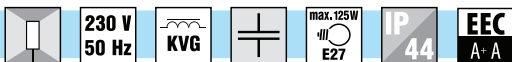
	W		Ø	C	
AURIS 50S	50	E27	660	500	PMMA
AURIS 70S	70	E27	660	500	PMMA
AURIS 80M	80	E27	660	500	PMMA
AURIS E27	-	E27	660	500	PMMA
AURIS 50S PC	50	E27	660	500	PC
AURIS 70S PC	70	E27	660	500	PC
AURIS 80M PC	80	E27	660	500	PC
AURIS E27 PC	-	E27	660	500	PC



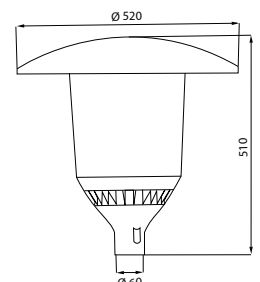
Street luminaires



STREET100S



	W		Ø	C	kg
STREET 70S	70	HPS	E27	520	5,2
STREET 100S	100	HPS	E40	510	5,7
STREET 100Q	100	HQI	E27	510	5,2
STREET 125M	125	MBF	E27	510	5,5



AURIS

Body:
Powder painted aluminium die-cast
aluminum chassis, black steel shield

Optic:
PMMA - acrylic body
PC - polycarbonate body

Wiring:
compensated, ballast cat. B
S - high pressure sodium (HPS)
M - mercury lamp (MBF)
E27 - wiring with E27 only

Application:
Optimal for paths, pedestrian zones, parks,
squares, etc.

Next information:
These fittings are delivered as set (chassis +
frame with electric equipment + cover)

STREET

Body:
Powder painted aluminium die-cast
aluminum chassis, with nylon lid

Optic:
Aluminium anti glare refractor
heat and UV stalle shalterproof prismatic
polycarbonate diffuser

Wiring:
compensated, ballast cat. B
S - high pressure sodium lamp (HPS)
M - high pressure mercury lamp (MBF)
Q - metal—halide lamp (HQI)
E27 - wirinf with E27 lampholder only

Application:
Optimal for paths, pedestrian zones, parks,
squares, etc.
Optimal height of installation 4 – 8m

Note:
These fittings are delivered with a lamp
IK08

PARK RS

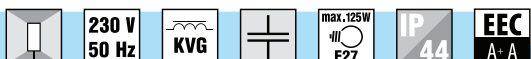
Park luminaires



RSPL400



RSCI400



Body:

Chassis CH400 for installation on post 60 mm, with socket dia 150mm

Optic (#):

KO PL - opal ball
KO CI - clear ball
KO CIK - clear ball with black upper part
KO KU - smoke ball

Wiring:

compensated, ballast cat. B
S - high pressure sodium (HPS)
M - mercury lamp (MBF)
E27 - wiring with E27 only

Versions:

400 - diameter of ball 400 mm (socket dia. 150mm)
500 - diameter of ball 500 mm (socket dia. 150mm)
PMMA - polymethylacrylate ball (standard)
PC - polycarbonate ball

Note:

These fittings are delivered in parts (chassis CH + frame with electric equipment RA + frame cover CO + ball KO). In the order, type of frame, type and material of frame cover (not necessary for opal ball), diameter and colour of the ball have to be specified.

Cover - ball

	Ø	
RS# 400	400	PMMA
RS# 400PC	400	PC

Chassis (1)

- Base of a fitting

	*	**	@
OP400	60	180	↓ ↓ ↑ ↑

Mounting frame (2)

- With electric equipment

	W		⊗
RA E27	1x100	E27	
RA 50S	1x50	E27	HPS
RA 70S	1x70	E27	HPS
RA 100S	1x100	E40	HPS
RA 80M	1x80	E27	HPS
RA 125M	1x125	E27	MBF

Shield - refractor (5)

		@	
CO400PMMA	INOX	↓ ↓ ↑ ↑	
CO400KOV	INOX	↑ ↑	HPS50W, 70W, MBF80W, 125W
CO500KOV	INOX	↑ ↑	HPS 100W
CO400KOVDOL	INOX	↓ ↓	HPS50W, 70W, MBF80W, 125W
CO500KOVDOL	INOX	↓ ↓	HPS 100W

* - pole diameter, ** - chassis diameter, @ - chassis orientation

↑ ↑ - chassis upward, ↓ ↓ - chassis downward

- 1 - Chassis OP400
- 2 - Mounting frame RA
- 3 - Frame cover KR400
- 4 - Lamp
- 5 - Shield - refractor



Park luminaires

PARK KO



KOPL400



KOCIK400



	Ø	
KO# 400	400	PMMA
KO# 400PC	400	PC
KO# 500	500	PMMA
KO# 500PC	500	PC

Chassis (1)

- Base of a fitting

	*	**	@
CH400	60	150	↓ ↓ T ↑
CH400 76	76	150	↓ ↓ T ↑
CH400Z42	42	150	↓ ↓

Mounting frame (2)

- With electric equipment

	W		⊗
RA E27	1x100	E27	
RA 50S	1x50	E27	HPS
RA 70S	1x70	E27	HPS
RA 100S	1x100	E40	HPS
RA 80M	1x80	E27	HPS
RA 125M	1x125	E27	MBF

Shield - refractor (5)

		@	
CO400PMMA	PMMA	↓ ↓ T ↑	
CO400KOV	INOX	T ↑	HPS50W, 70W, MBF80W, 125W
CO500KOV	INOX	T ↑	HPS 100W
CO400KOV DOL	INOX	↓ ↓	HPS50W, 70W, MBF80W, 125W
CO500KOV DOL	INOX	↓ ↓	HPS 100W

* - pole diameter, ** - chassis diameter, @ - chassis orientation

T ↑ - chassis upward, ↓ ↓ - chassis downward

Body:

Chassis OP400 for installation on post 60 mm, with socket dia 180 mm

Optic (#):

RS PL - opal ball, diameter of ball 400 mm (socket dia. 180mm)

RS CI - clear ball, diameter of ball 400 mm (socket dia. 180mm)

RS CIK - clear ball with black upper part, diameter of ball 400 mm (socket dia. 180mm)

RS KU - smoke ball, diameter of ball 400 mm (socket dia. 180mm)

Wiring:

compensated, ballast cat. B

S - high pressure sodium (HPS)

M - mercury lamp (MBF)

E27 - wiring with E27 only

Versions:

PMMA - polymethylacrylate ball (standard)

PC - polycarbonate ball

Note:

These fittings are delivered in parts (chassis OP + frame with electric equipment RA + frame cover CO + ball RS). In the order, type of frame, type and material of frame cover (not necessary for opal ball), diameter and colour of the ball have to be specified.

1 - Chassis CH400

2 - Mounting frame RA

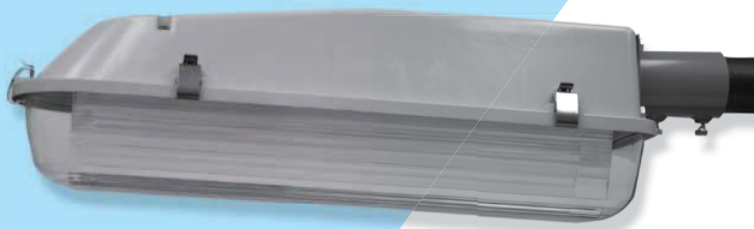
3 - Frame cover KR400

4 - Lamp

5 - Shield - refractor



Street light fittings



LV236

Body:

High quality glass reinforced pressed polyester body, stainless clips

Optic:

White painted steel sheet reflector
Polycarbonate cover – Fresnel lens

Wiring (#):

compensated, ballast cat. B (standard wiring)
EP - high frequency ballast

Lamp:

TC-L - compact fluorescent lamp
S - high pressure sodium lamp (HPS)
M - high pressure mercury lamp (MBF)
SOX - low pressure sodium lamp (SOX)

Application:

Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.

Optimal for 3-8 m posts.

Versions (@):

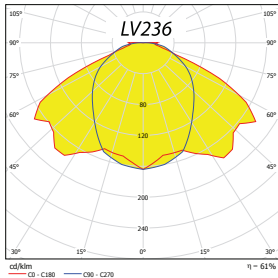
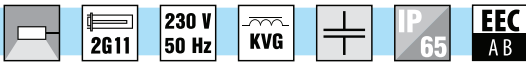
- POJ - with fuse
- OK - double-circuit wiring
- V60 - flange for bracket diameter 60
1000004902
- S60 - flange for post diameter 60
1000004904
- V76 - flange for bracket diameter 76
1000004906
- S76 - flange for post diameter 76
1000004908
- V42 - flange for bracket diameter 42
1000004910

Accessories:

- DVO - wall holder - 245039902
- DVO-400 - wall holder - 245039905

Note:

The fittings are delivered with a flange, but type of flange must be specified in order.



S60 - 1000004904



S76 - 1000004908



V42 - 1000004910

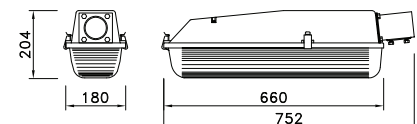


V60 - 1000004902



V76 - 1000004906

	W		∅	kg
LV118 #@	1x18	2G11	TC-L	3,9
LV218 #@	2x18	2G11	TC-L	4,4
LV136 #@	1x36	2G11	TC-L	3,9
LV236 #@	2x36	2G11	TC-L	4,4
LV336 #@	3x36	2G11	TC-L	4,9
LV155#@	1x55	2G11	TC-L	3,7
LV255 #@	2x55	2G11	TC-L	3,7
LV280 #@	2x80	2G11	TC-L	3,9
LV70S #@	1x70	E27	HPS	5,2
LV80M #@	1x80	E27	MBF	4,9
LVSX35 #@	1x35	B22d	SOX	5,5
LVSX55 #@	1x55	B22d	SOX	5,7
LVE27	Max 1x100	E27	-	3,4



Street light fittings with lower cover



LVN236

Optic:

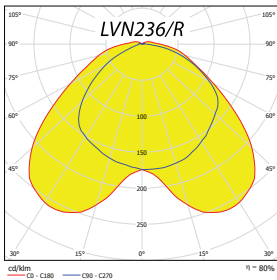
White painted steel reflector inside
Polycarbonate cover – Fresnel lens
R - highly polished aluminium reflector inside

Versions:

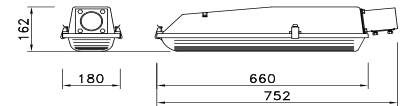
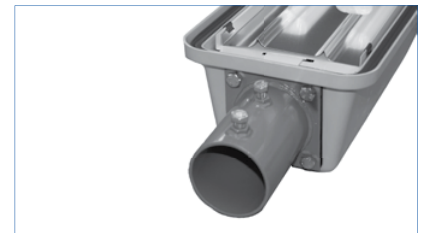
POJ - with fuse
OK - double-circuit wiring

Note:

LVN – fitting with standard white reflector
LVN/R - fitting with additional highly polished aluminium reflector. Due a new reflector and cover LVN/R fitting has markedly increased light efficiency.



	W		Ø	kg
LVN136 @	1x36	2G11	TC-L	3,9
LVN236 @	2x36	2G11	TC-L	4,4
LVN155 @	1x55	2G11	TC-L	3,7
LVN255 @	2x55	2G11	TC-L	3,9



Street light fittings with flat glass cover



LVS236

Body:

High quality glass reinforced pressed polyester body.

Optic:

White painted steel reflector inside
Flat toughened glass cover with stainless steel clips

Wiring (#):

compensated, ballast cat. B (standard wiring)
EP - high frequency ballast

Lamp:

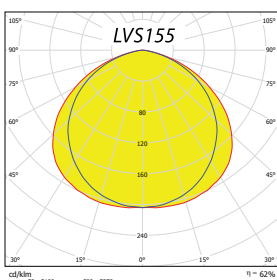
TC-L - compact fluorescent lamp

Versions (@):

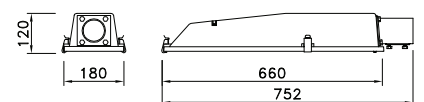
POJ - with fuse
OK - double-circuit wiring
V60 - LVS flange for bracket diameter 60
1000004930
S60 - LVS flange for post diameter 60
1000004932

Note:

Dark sky friendly LVS fitting is full cutoff luminaire, fitting reducing light pollution. Flanges for mounting on a mast provide a horizontal position of luminaire (they are different from standard flanges for lamps LV).



	W		Ø	kg
LVS136@	1x36	2G11	TC-L	3,9
LVS236@	2x36	2G11	TC-L	4,4
LVS155@	1x55	2G11	TC-L	3,7



Street light fittings



Body:

UV stabile polypropylene, made of grey RAL 7035
PC gear box

Optic:

Aluminium reflector
G - flat toughened glass cover

Wiring:

Compensated, ballast cat. B

Lamp:

S - high pressure sodium lamp (HPS) or metal-halide lamp (HQI)
M - high pressure mercury lamp (MBF)

Versions (@):

EPR - programmable high frequency ballast

Application:

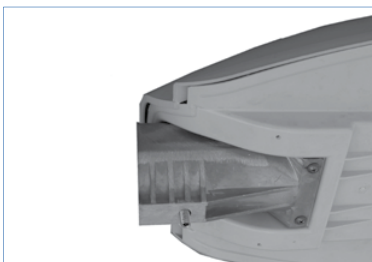
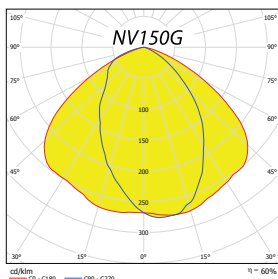
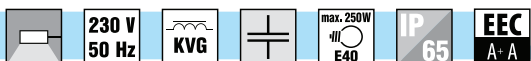
Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.

Optimal height of installation is 6-12 m.

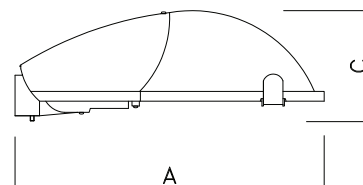
Note:

Standard mounting flange is multi-purposeful for installation for post or for bracket, diameter 60 mm.

Fittings NV for lamps 250W are NVL signed (they have large body).

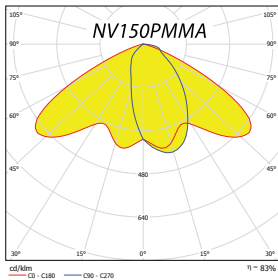
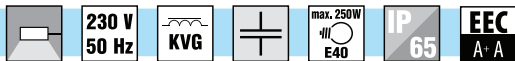


	W		⊗	A	B	C	kg
NV70SG @	1x70	E27	HPS	630	320	200	5,0
NV100SG @	1x100	E40	HPS	630	320	200	5,2
NV150SG @	1x150	E40	HPS	630	320	200	5,7
NV80MG @	1x80	E27	MBF	630	320	200	4,8
NV125MG @	1x125	E27	MBF	630	320	200	4,8
NVL250SG @	1x250	E40	HPS	750	400	320	7,8
NVL250MG @	1x250	E40	MBF	750	400	320	7,8



Street light fittings

NV PMMA



Body:

Fibre glass enforced, heat and UV stable polypropylene, made of grey RAL 7035 PC gear box

Optic:

Aluminium reflector bulging PMMA cover

Wiring:

Compensated, ballast cat. B

Lamp:

S - high pressure sodium lamp (HPS) or metal-halide lamp (HQI)

M - high pressure mercury lamp (MBF)

Versions:

EPR - programmable high frequency ballast

Application:

Multi-purpose exterior fitting for roads, streets, park lots, paths and others applications.

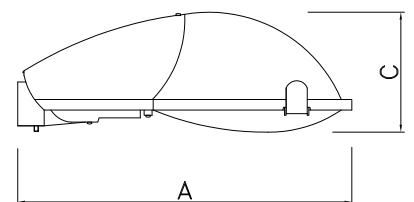
Optimal height of installation is 6-12 m.

Note:

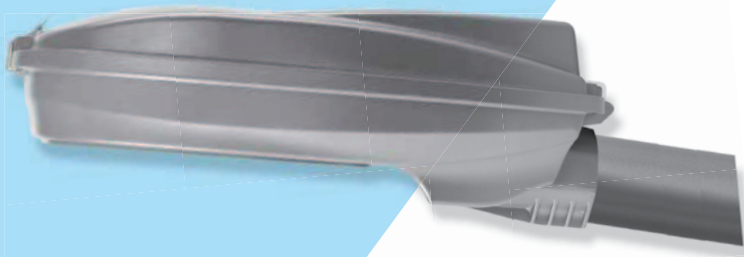
Standard mounting flange is multi-purposeful for installation for post or for bracket, diameter 60 mm.

Fittings NV for lamps 250W are NVL signed (they have large body).

	W		⊗	A	B	C	kg
NV70SPMMA @	1x70	E27	HPS	630	320	225	5,0
NV100SPMMA @	1x100	E40	HPS	630	320	225	5,2
NV150SPMMA @	1x150	E40	HPS	630	320	225	5,7
NV80MPMMA @	1x80	E27	MBF	630	320	225	4,8
NV125MPMMA @	1x125	E27	MBF	630	320	225	4,8
NVL250SPMMA @	1x250	E40	HPS	750	400	320	7,8
NVL250MPMMA @	1x250	E40	MBF	750	400	320	7,8



Street light fittings



Body:
Grey painted cast aluminum body.

Optic:
Anodized highly polished aluminium reflector
Toughened glass cover

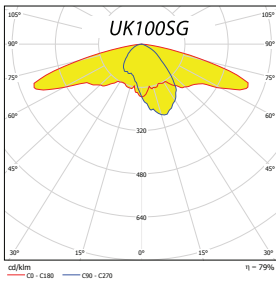
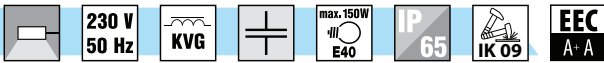
Wiring:
compensated, ballast cat. B

Lamp:
S - high pressure sodium lamp (HPS)
Q - metal-halide lamp (HQI)

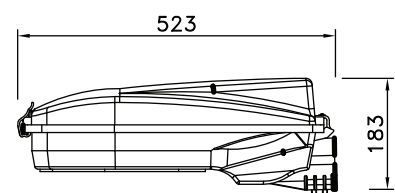
Application:
Multi-purpose exterior fitting with very wide light characteristic, for roads, streets, park lots, paths and others applications. Optimal for 6-12 m posts.

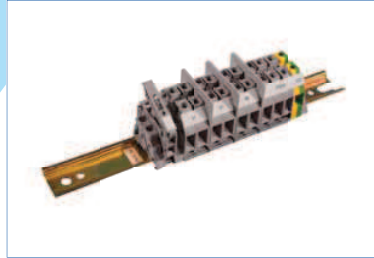
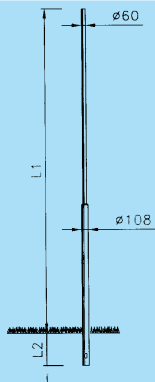
Accessories:
PRST60 - adjustable flange

Note:
Standard mounting flange is multi-purposeful for installation for post or for bracket, diameter 60 mm.
Dark sky friendly UK fitting is full cutoff luminaire, fitting reducing light pollution.



	W		⊗
UK70SG	1x70	E27	HPS, HQI
UK100SG	1x100	E40	HPS, HQI
UK150SG	1x150	E40	HPS, HQI





SLX

Body:

Metal post for street light fittings
- $\varnothing 108 / 60$ mm.

Accessories:

Terminal board SS 9-16

Versions:

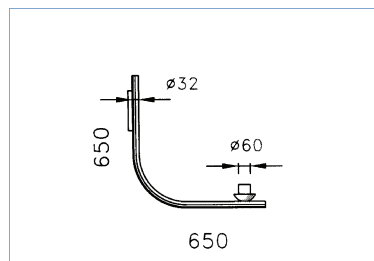
Surface treatment:

ZZ - zinc-coated

C - black

M - metallizing

SL/SLX	L1 (mm)	L2 (mm)	$\varnothing 1$ (mm)	$\varnothing 2$ (mm)
SL2000	2000	500	60	89
SL3000	3000	500	60	89
SL4000	4000	500	60	89
SL5000	5000	500	60	89
SLX2000	2000	500	60	108
SLX3000	3000	500	60	108
SLX4000	4000	500	60	108
SLX5000	5000	500	60	108



RM400A

SHOULDERS

RM 400A

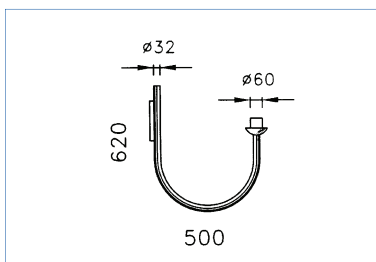
shoulder for posts SL, SLX

RM 400E

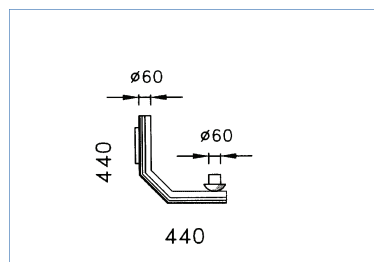
shoulder for posts SL, SLX For use with lampshade downward, it is necessary to order shoulder with shelter (RM400AK or RM400EK).

RMX 400

shoulder for wall mounting



RM400E



RMX400



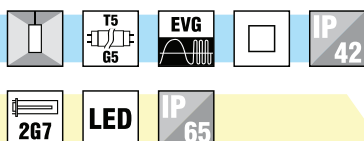
DVO
245039902

DVO-400
245039905

HELIOS DS, P



HELIOS DS



HELIOS P

Emergency luminaires

Body:

White polycarbonate body

Optic:

DS - opal polycarbonate cover

P - clear plexi glass

Application:

For illumination of emergency signs

Accessories:

Pictograms PIK (recommended size M)

Operation mode (#):

SE - non-maintained

SA - maintained

S - network luminaire

Versions(@):

AT - autotest

PT - manual test button

RS - RUBIC monitoring system

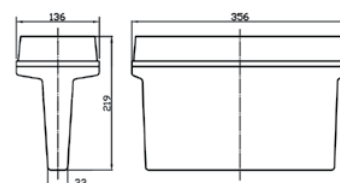
CB - luminaire for central battery system

Note:

Luminaires are delivered without pictograms, they have to be ordered separately.

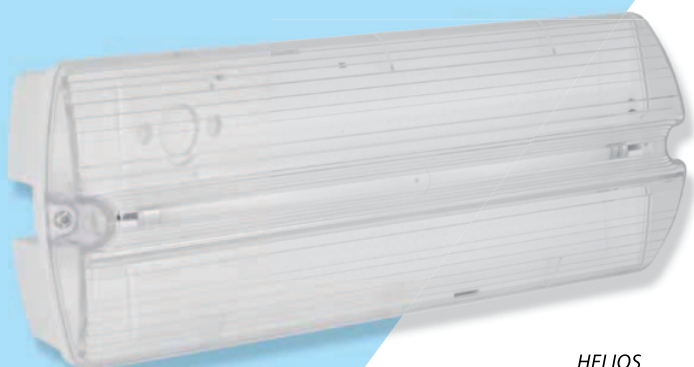
Recognition distance 25 m.

	IP		W	⌚
HELIOS DS 8	IP42	HDE1#@	1x8 T5	1
		HDE3#@	1x8 T5	3
	IP65	HD1#@	1x8 T5	1
		HD3#@	1x8 T5	3
HELIOS DS 11	IP42	HDE1#11@	1x11 TC-S	1
		HDE3#11@	1x11 TC-S	3
	IP65	HD1#11@	1x11 TC-S	1
		HD3#11@	1x11 TC-S	3
HELIOS DS 18	IP42	HDE1#18@	1x18 TC-L	1
		HDE3#18@	1x18 TC-L	3
	IP65	HD1#18@	1x18 TC-L	1
		HD3#18@	1x18 TC-L	3
HELIOS DS LED	IP42	HDEL1#@	LED 25cd, 1,2W	1
		HDEL3#@	LED 25cd, 1,2W	3
	IP65	HDL1#@	LED 25cd, 1,2W	1
		HDL3#@	LED 25cd, 1,2W	3
	IP		W	⌚
HELIOS P	IP42	HP1#@	1x8 T5	1
		HP3#@	1x8 T5	3
HELIOS P LED	IP42	HPL1#@	LED 25cd, 1,2W	1
		HPL3#@	LED 25cd, 1,2W	3

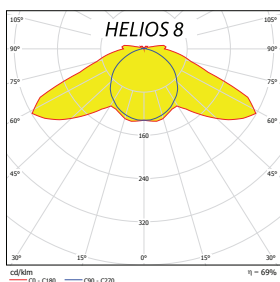
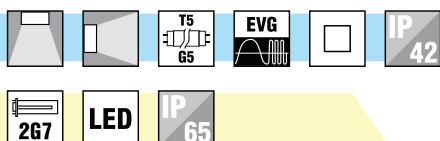


Emergency luminaires

HELIOS



HELIOS



Body:

White polycarbonate body

Optic:

PC - clear polycarbonate cover (HELIOS)

PC - opal polycarbonate cover (HELIOS LED)

Application:

HELIOS - surface mounted luminaire for emergency lighting of escape ways

HELIOS LED - surface mounted luminaire for illumination of emergency signs

Accessories:

Pictograms PIK (recommended size M)

Protection grid OZAWHKOS

Operation mode (#):

SE - non-maintained

SA - maintained

S - network luminaire

Versions(@):

AT - autotest

PT - manual test button

RS - RUBIC monitoring system

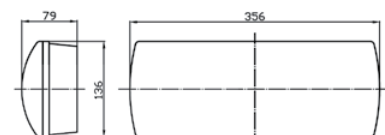
CB - luminaire for central battery system

Note:

Luminaires are delivered without pictograms, they have to be ordered separately.

Recognition distance 25 m.

	IP		W	⊕	lm
HELIOS 8	IP42	HE1#@	1x8 T5	1	90
		HE3#@	1x8 T5	3	90
	IP65	H1#@	1x8 T5	1	90
		H3#@	1x8 T5	3	90
HELIOS 11	IP42	HE1#11@	1x11 TC-S	1	120
		HE3#11@	1x11 TC-S	3	120
	IP65	H1#11@	1x11 TC-S	1	120
		H3#11@	1x11 TC-S	3	120
HELIOS 18	IP42	HE1#18@	1x18 TC-L	1	180
		HE3#18@	1x18 TC-L	3	180
	IP65	H1#18@	1x18 TC-L	1	180
		H3#18@	1x18 TC-L	3	180
HELIOS LED	IP42	HEL1#@	LED 25cd, 1,2W	1	
		HEL3#@	LED 25cd, 1,2W	3	
	IP65	HL1#@	LED 25cd, 1,2W	1	
		HL3#@	LED 25cd, 1,2W	3	



HELIOS POWER LED



Body:
White polycarbonate body

Optic:
PC clear cover
Power LED 3x1W, optic narrow beam

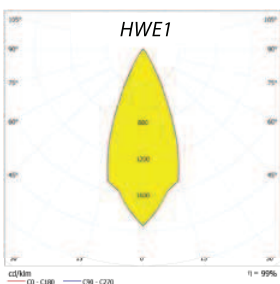
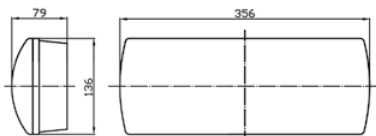
Application:
universal, one-sided emergency lighting
fitting for high altitudes

Operation mode (#):
SE - non-maintained
SA - maintained

Versions (@):
AT - autotest
PT - test button
RS - RUBIC monitoring system
CB - luminaire for central battery system



IP 65



	IP		W	⌚
HELIOS Power LED	IP42	HWE1#@	3x1	1
		HWE3#@	3x1	3
	IP65	HW1#@	3x1	1
		HW3#@	3x1	3

HELIOS SUPER POWER LED



Body:
White polycarbonate body

Optic:
PC clear cover
Power LED 2x3W, optic wide beam, 440 lm

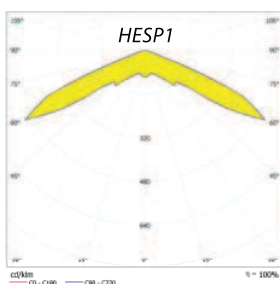
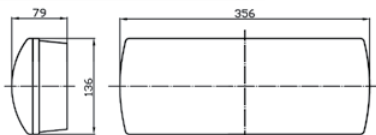
Application:
universal, one-sided emergency lighting
fitting

Operation mode (#):
SE - non-maintained
SA - maintained

Versions (@):
AT - autotest
PT - test button
RS - RUBIC monitoring system
CB - luminaire for central battery system



IP 65

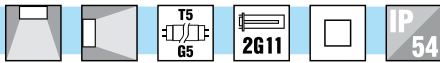


	IP		W	⌚
HELIOS Super Power LED	IP42	HESP1#@	2x3	1
		HESP3#@	2x3	3
	IP65	HSP1#@	2x3	1
		HSP3#@	2x3	3

Emergency luminaires



PANORAMA



PANORAMA

Body:

White polycarbonate body

Optic:

PC - opal polycarbonate cover

Application:

Emergency luminaire for illumination of emergency signs

Accessories:

Pictograms PIK (recommended size L)

Operation mode (#):

SE - non-maintained

SA - maintained

S - network luminaire

Versions(@):

AT - autotest

PT - manual test button

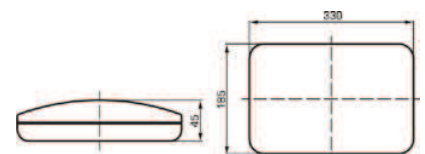
RS - RUBIC monitoring system

CB - luminaire for central battery system

Note:

Luminaires are delivered without pictograms, they have to be ordered separately.
Recognition distance 30 m.

	IP		W	⏻	lm
PANORAMA 8	IP54	P1#@	1x8 T5	1	90
		P3#@	1x8 T5	3	90
PANORAMA 11		P1#11@	1x11 TC-S	1	120
		P3#11@	1x11 TC-S	3	120



TIGER DS, TIGER P



TIGER DS



TIGER P



TIGER DS LED



TIGER DSR LED

Emergency luminaires

Body:

White polycarbonate body

Application:

For illumination of emergency signs

TIGER DS

Emergency luminaire for surface installation on the ceiling, with PC opal cover

TIGER P

Emergency luminaire for surface installation on the ceiling, with clear PC „flag“

TIGER DS LED economic

Emergency LED luminaire for surface installation on the ceiling, with PC opal cover

TIGER DSR LED economic

Emergency LED luminaire for recessed installation, with PC opal cover

Accessories:

Pictograms PIK (recommended size S)

Operation mode (#):

SE - non-maintained
SA - maintained
S - network luminaire

Versions(@):

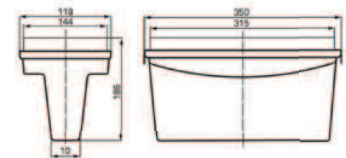
AT - autotest
RS - RUBIC monitoring system
CB - luminaire for central battery system

Note:

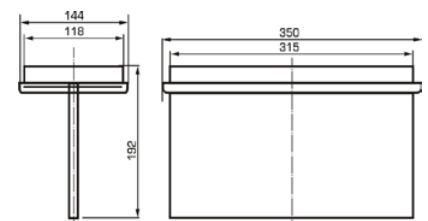
Luminaires are delivered without pictograms, they have to be ordered separately.
Recognition distance 20 m

	IP		W	⌚
TIGER DS	IP22	TGS1#@	1x8 T5	1
		TGS3#@	1x8 T5	3
TIGER DS LED	IP22	TSL1#@	LED 25cd, 1,2W	1
		TSL3#@	LED 25cd, 1,2W	3
TIGER DS LED economic	IP22	TESL1#@	LED 25cd, 1,2W	1
		TESL3#@	LED 25cd, 1,2W	3
TIGER DSR LED economic	IP22	TESRL1#@	LED 25cd, 1,2W	1
		TR SRL3#@	LED 25cd, 1,2W	3

			W	⌚
TIGER P	IP22	TP1#@	1x8 T5	1
		TP3#@	1x8 T5	3
TIGER P LED	IP22	TPL1#@	LED 25cd, 1,2W	1
		TPL3#@	LED 25cd, 1,2W	3



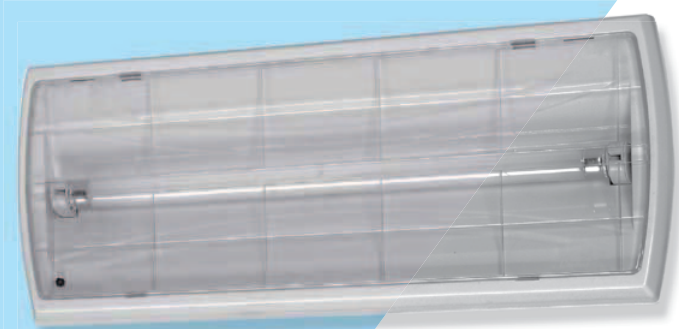
TIGER DS



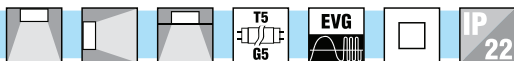
TIGER P

Emergency luminaires

TIGER, TIGER LED



TIGER



LED

Body:

White polycarbonate body

Application:

TIGER

Surface mounted / recessed luminaire for emergency lighting of escape ways, with clear polycarbonate cover

TIGER LED

Surface / recessed T5 luminaire with opal polycarbonate cover, for illumination of emergency signs

TIGER LED economic

OP – LED luminaire (1,2W) with opal polycarbonate cover, for illumination of emergency signs

TR – LED luminaire (1,2W – 70lm) for emergency lighting of escape ways, with clear polycarbonate cover

Accessories:

Pictograms PIK (recommended size S)

OZAWPRICH - clip for recessed mounting (cut out 120x325 mm), 2 pcs/luminaire

Operation mode (#):

SE - non-maintained

SA - maintained

S - network luminaire

Versions(@):

AT - autotest

PT - manual test button

RS - RUBIC monitoring system

CB - luminaire for central battery system

Note:

Luminaires are delivered without pictograms, they have to be ordered separately.

Recognition distance 20 m.



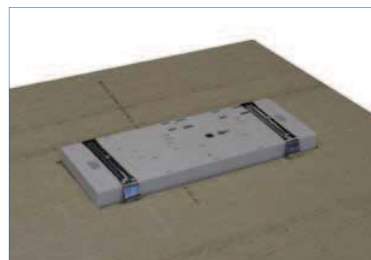
TIGER LED



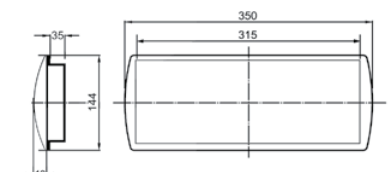
TIGER LED ECONOMIC TR

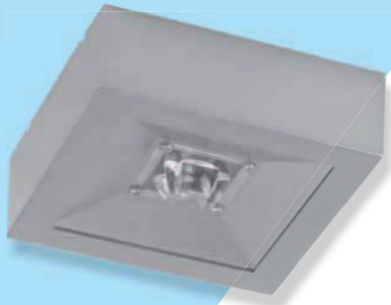


OZAWPRICH



	IP		W	⊕	lm
TIGER	IP22	TG1#@	1x8 T5	1	90
		TG3#@	1x8 T5	3	90
TIGER LED	IP22	TGL1#@	LED 25cd, 1,2W	1	
		TGL3#@	LED 25cd, 1,2W	3	
TIGER LED economic	IP22	TEL1#@OP	LED 25cd, 1,2W	1	
		TEL3#@OP	LED 25cd, 1,2W	3	
	IP22	TEL1#@TR	LED 25cd, 1,2W	1	70
		TEL3#@TR	LED 25cd, 1,2W	3	70





LOVATO N



LOVATO P

LED emergency luminaires

LOVATO N – LVN - ceiling LED emergency light fitting

White (silver GR or black BL) polycarbonate body
Emergency module and batteries are located in the housing (SA vision only with extended box – total height 70mm)

LOVATO P – LVP - recessed LED emergency light fitting

White (silver GR or black BL) polycarbonate body
Emergency module and batteries are located outside the housing. Cut out diameter 80 mm. Fixing clips included.

Optic:

1W or 3W power LED
O – „open space“ optic for open area
C – „corridor“ optic for escape route

Operation mode (#):

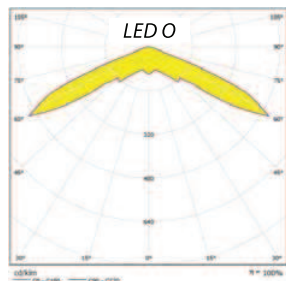
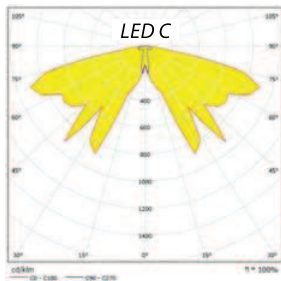
SE - non-maintained
SA - maintained
S - network luminaire

Versions(@):

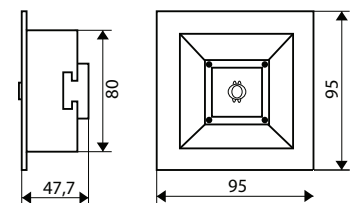
AT - autotest
RS - RUBIC monitoring system
CB - luminaire for central battery system

Note:

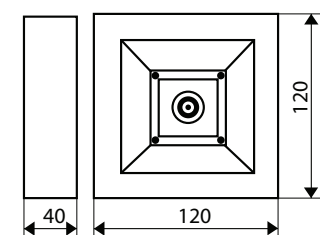
To achieve the minimum illuminance 1 lx in axis of escape route a distance between fittings with optics "C" can be 18 m (with mounting height of luminaires 3 m).



	IP			W	Ⓢ	lm
LOVATO N	IP41	LVNC	LVNC1#@	LED 3 W	1	220
			LVNC3#@	LED 3 W	3	220
			LVNC1#@1	LED 1 W	1	110
			LVNC3#@1	LED 1 W	3	110
	IP41	LVNO	LVNO1#@	LED 3 W	1	250
			LVNO3#@	LED 3 W	3	250
LVNO1#@1			LED 1 W	1	120	
LOVATO P	IP20	LVPC	LVPC1#@	LED 3 W	1	220
			LOVATO P	LED 3 W	3	220
			LVPC1#@1	LED 1 W	1	110
			LVPC3#@1	LED 1 W	3	110
	IP20	LVPO	LVPO1#@	LED 3 W	1	250
			LVPO3#@	LED 3 W	3	250
			LVPO1#@1	LED 1 W	1	120
			LVPO3#@1	LED 1 W	3	120



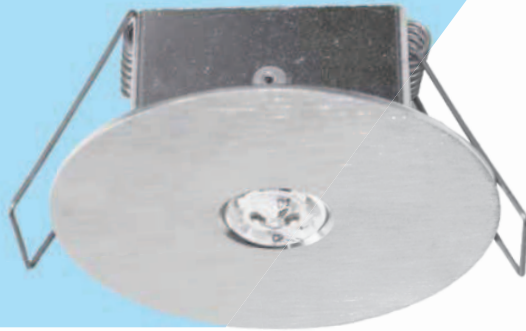
LOVATO P



LOVATO N

Recessed emergency LED luminaires

LED EYE



LED EYE



Body:
stainless steel or painted white body

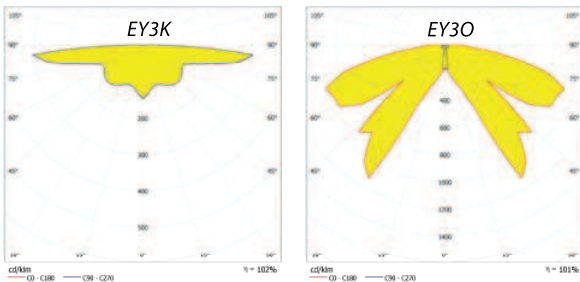
Application:
Recessed emergency luminaire.
EYC – fitting EYE LED round with escape route optic
EYO – fitting EYE LED round with open area optic
EYKC – fitting EYE LED square with escape route optic
EYKO – fitting EYE LED square with open area optic

Operation mode (#):
SE - non-maintained
SA - maintained

Versions (@):
AT - autotest
RS - RUBIC monitoring system
CB - luminaire for central battery system

Note:
Cut out diameter 35x60 mm. Fixing clips included.

To achieve the minimum illuminance 1 lx in axis of escape route a distance between fittings with optics „C” can be 18 m (with mounting height of luminaires 3 m).



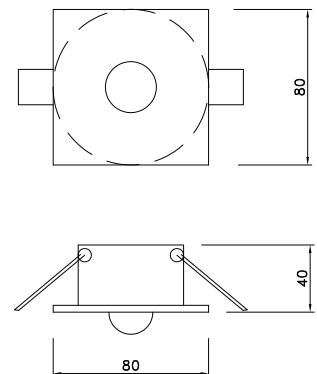
EYO



EYKC

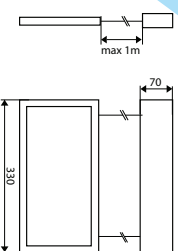
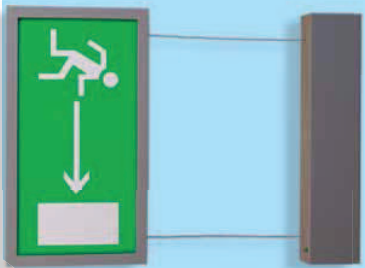


	IP			W	⏰	lm
EY	IP20	EYC	EYC1#@	LED 3 W	1	260
			EYC3#@	LED 3 W	3	260
			EYC1#@1	LED 1 W	1	100
			EYC3#@1	LED 1 W	3	100
	IP20	EYO	EYO1#@	LED 3 W	1	260
			EYO3#@	LED 3 W	3	260
			EYO1#@1	LED 1 W	1	100
			EYO3#@1	LED 1 W	3	100
EYK	IP20	EYKC	EYKC1#@	LED 3 W	1	260
			EYKC3#@	LED 3 W	3	260
			EYKC1#@1	LED 1 W	1	100
			EYKC3#@1	LED 1 W	3	100
	IP20	EYKO	EYKO1#@	LED 3 W	1	260
			EYKO3#@	LED 3 W	3	260
			EYKO1#@1	LED 1 W	1	100
			EYKO3#@1	LED 1 W	3	100
			EYKO1#@1	LED 1 W	1	100
			EYKO3#@1	LED 1 W	3	100



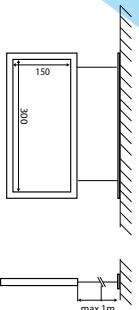
Two-sided emergency luminaires

INFINITY S
IFA S - surface installed polycarbonate body of luminaire with pendant polycarbonate sign-holder



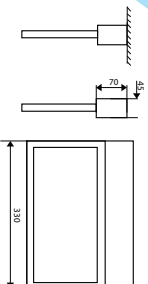
	IP	W	⊕
INFINITY S 1	IP44	IFA S1#@	LED 2,5 W 1
INFINITY S 3		IFA S3#@	LED 2,5 W 3

INFINITY R
IFA R - recessed (cut out dimension 60 X 335 mm) metal body with pendant polycarbonate sign-holder. Fixing clips included.



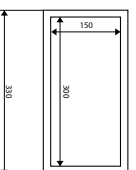
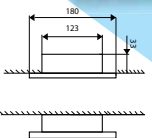
	IP	W	⊕
INFINITY R 1	IP44	IFAR1#@	LED 2,5 W 1
INFINITY R 3		IFAR3#@	LED 2,5 W 3

INFINITY C
IFA C - surface installed polycarbonate body

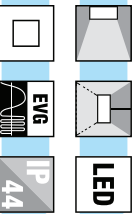


	IP	W	⊕
INFINITY C 1	IP44	IFAC1#@	LED 2,5 W 1
INFINITY C 3		IFAC3#@	LED 2,5 W 3

INFINITY B
IFB - polycarbonate luminaire for wall or partially recessed mounting



	IP	W	⊕
INFINITY B 1	IP44	IFB1#@	LED 2,5 W 1
INFINITY B 3		IFB3#@	LED 2,5 W 3



LED



IP 44

Accessories:
Pictograms PIK (recommended size L)
Operation mode (#):
SE - non-maintained
SA - maintained
S - network luminaire

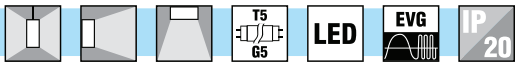
Versions(@):
AT - autotest
RS - RUBIC monitoring system
CB - luminaire for central battery system

Note:
Luminaires are delivered without pictograms, they have to be ordered separately. Recognition distance 30 m.

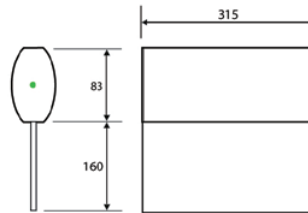
Emergency luminaires



TWINS



	IP		W	⌚
TWINS 1	IP20	TW1#@	LED 25 cd, 1,2W	1
TWINS 3		TW3#@	LED 25 cd, 1,2W	3
TWINS 1 T5		TW1#@8	1x8 T5	1
TWINS 3 T5		TW3#@8	1x8 T5	3



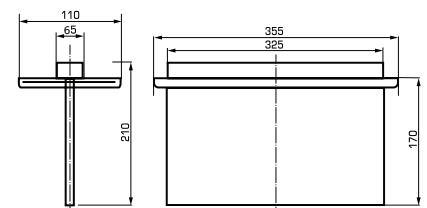
Recessed emergency luminaires



PLEXI LED



	IP		W	⌚
PLEXI LED 1	IP20	PL1#@	LED 25 cd, 1,2W	1
PLEXI LED 3		PL3#@	LED 25 cd, 1,2W	3
PLEXI LED 1 T5		PL1#@8	1x8 T5	1
PLEXI LED 3 T5		PL3#@8	1x8 T5	3



TWINS

Body:

Aluminium profile with plastic endcaps

Application:

Two-sided emergency luminaire for illumination of emergency signs
For surface or pendant installation

Accessories:

Pictograms PIK (recommended size L)
Suspension set - OZAW1006
Wall mounting bracket - OZAWTWH

Operation mode (#):

SE - non-maintained
SA - maintained
S - network luminaire

Versions(@):

AT - autotest
PT - manual test button
RS - RUBIC monitoring system
CB - luminaire for central battery system
TW - grey body of fitting
TWB - black body of fitting

Note:

Wall and ceiling holders included.
Luminaires are delivered without pictograms, they have to be ordered separately.
Recognition distance 30 m.

PLEXI LED

Body:

White or grey painted metal plate

Application:

Recessed double-sided emergency luminaire for illumination of emergency signs.

Accessories:

Pictograms PIK (recommended size L)

Operation mode (#):

SE - non-maintained
SA - maintained
S - network luminaire

Versions(@):

AT - autotest
PT - manual test button
RS - RUBIC monitoring system
CB - luminaire for central battery system

Note:

Cut out 70x330 mm. Fixing clips included.
Luminaires are delivered without pictograms, they have to be ordered separately.
Recognition distance 30 m.

Emergency modules

Conversion kits LIDER, LIDER EVG

- Fluorescent lamp power range 6-58W (depends on a model)
- Maximum charging time: 24h
- Emergency operation time: 1, 3h
- The built-in automatic switching system enables continuous operation of the fluorescent lamps with regular power supply as well as in the emergency mode
- The process of charging and proper battery connection is signaled by a LED while supplying the system with main voltage
- The simplest and the cheapest way for emergency lighting

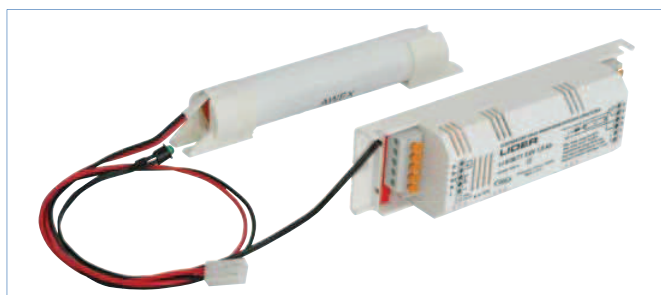
Conversion kits LIDER EVG PLUS

- Fluorescent lamp power range 6-80W (depends on a model)
- Maximum charging time: 12h, Electronic impulse charger
- Emergency operation time: 1, 3h
- The built-in automatic switching system enables continuous operation of the fluorescent lamps with regular power supply as well as in the emergency mode
- The process of charging and proper battery connection is signaled by a LED while supplying the system with main voltage

Conversion kits LIDER autotest

Test types:

- Test A is run automatically every 30 days.
- Test A checks the following parameters:
 - Enforcing emergency operation of the frame for 5 minutes
 - Control of battery power discharge
 - Control of minimum voltage of battery
- Test B is run automatically every 360 days.
- Test B checks the following parameters:
 - Enforcing emergency operation of the frame for all duration time (1, 3h)
 - Control of battery power discharge
 - Control of minimum voltage of battery
- In case of power cut during TEST A or TEST B the unit operates under emergency lighting power. Test signaling continues. After the 230V AC power is on again the unit remains in emergency lighting mode until a full cycle of TEST A or TEST B is completed.



Effectiveness of emergency modules (% of nominal lamp output)

CONVERSION KIT TYPE	T8 (linear)			T5 (linear)										TC-SEL (2G7)		TC-DEL (G24q) electronic balast		
	18W	36W	58W	8W	14W	21W	24W	28W	35W	39W	49W	54W	80W	9W	11W	13W	18W	26W
	G13	G13	G13	G5	G5	G5	G5	G5	G5	G5	G5	G5	G5	2G7	2G7	G24q-1	G24q-2	G24q-3
L/36	10	9	-	-	-	-	-	-	-	-	-	-	-	11	15	-	-	-
L/58	11	10	6	-	-	-	-	-	-	-	-	-	-	10	11	-	-	-
L/80	11	11	6	-	-	-	-	-	-	-	-	-	-	10	25	-	-	-
LE/36	10	9	-	24	12	11	7	-	-	-	-	-	-	11	15	10	11	8
LE/58	11	10	6	24	12	9	8	9	10	7	-	-	-	10	11	11	12	9
LE/80	11	11	6	26	11	9	9	10	12	9	7	9	7	10	25	14	12	10
LE/36/AT	10	9	-	24	12	11	7	8	-	-	-	-	-	11	15	10	11	8
LE/58/AT	11	10	6	24	12	9	8	9	10	7	-	-	-	10	11	11	12	9
LE/80/AT	11	11	6	26	11	9	9	10	12	9	7	9	7	10	25	14	12	10
LN/21	-	-	-	8	6	6	-	-	-	-	-	-	-	-	-	-	-	-
LN/39	-	-	-	-	-	-	4	-	-	4	-	-	-	-	-	-	-	-
LN/49	-	-	-	-	-	-	-	8	7	-	5	-	-	-	-	-	-	-
LN/80	-	-	-	-	-	-	-	-	-	-	-	4	3	-	-	-	-	-

Emergency systems

Monitoring system RUBIC

In buildings where there is a need for installing a large number of independent emergency lighting fittings, there is always a problem connected to the process of controlling the condition of the fittings. Manual controlling of the condition of the fittings requires a lot of time and may sometimes disturb the regular use of the premises. RUBIC system, designed to monitor the operation of emergency fittings with independent power sources, was created to solve this problem. Modern solutions of the Rubic system allow for the configuration and control of the condition of the fittings from one place.

3 types:

- RUBIC SD
- RUBIC TP
- RUBIC MINI

C-RUBIC control unit:

- Standard monitoring of 250 fittings, expansion within the standard unit up to 1000 fittings
- Centronix printer connector, LCD monitor
- 230V 50Hz power supply, charge time - 24h
- Communication through a screened cable 2x0,5 mm2
- Distance between the control unit and the furthest fitting - 1200 m2 (or applying RPT)
- Constant communication between the central unit and the lighting fittings
- Running auto tests or manual tests
- Registering test results (memory of central unit - minimum 1 year), reporting any abnormalities
- Printing test results using PR-RUBIC printer or an external printer
- Emergency operation blockade
- Dividing the monitored fittings into groups
- Connecting with a PC computer through an interface and creating visual presentations with the help of a special software
- Control of the system from any place through internet links
- Test calendar configured to suit individual needs
- Lighting fittings working under the RUBIC system have unique addresses and are connected to C-Rubic control unit with a communication cable. The fittings communicate with the central unit reporting any abnormalities which are signaled on the central unit display with LED diodes placed on the central unit panel.

Test types: the same as LIDER autotest

- The frequency of running tests A and B may be programmed according to the needs of the user. There is a possibility of programming the tests with exact dates of when they should be carried out. Long tests B should be run when the premises are not to be used within 24 hours after finishing the test. This time is needed for the recharging of the batteries discharged during the long test.
- Test results are stored in the memory of the central unit and may be viewed on the central unit's display. Test reports may be printed with the PR-RUBIC printer or any printer using LPT connector.

System FZLV

Central battery system FZLV is a high-tech device created to power and monitor emergency lighting in buildings of small and medium size and in closed fire zones. The system can work with up to 80 LED luminaires supplied by SELV 24V

Small dimensions of the central unit enable the installation of the system in places where one cannot fit a large-size central battery system. The FZLV central unit is equipped with a big touch panel enabling both the current reading of the status of the system, circuits and fittings and the introduction of all settings and parameters of the system with the use of the user interface. Statuses are displayed in both graphic and text form. Using the central unit one can assign a name to the fitting that will clearly help to identify the fittings installed in the system. Using the central unit one can program and freely configure the emergency fittings in constant, non-constant, switching and switching-dimming modes as well as night work mode. The system has its own IP address and RJ45 slot which is used for direct connection to Ethernet. With an built-in WEB module you can directly access the system from any computer and print the event log by using any web browser. Additionally, the system has an input and an SD card that allows to record and upload system settings (back-up) and the record reports of the Event Log in accordance with EN 50172.

The most important parameters:

- Power supply and monitoring up to 80 individual LED fittings in SMART FZLV technology
- Safe supply SELV 24V
- SMART technology – any mode of a fitting
- Automated testing
- Automatic detection and adding of the fittings to the system
- Built-in WEB module
- Programming and configuration of the fittings directly from the system
- Communication with luminaires through the power supply cable
- SD slot and SD card for recording, transmission and printing emergency lighting reports from any PC, in accordance with EN 50172
- Possibility to store the system settings (back – up) on SD card
- Contained security light mode (night operation)
- Internal rechargeable battery with a designed life of 10 years
- RJ45 slot for direct connection to Ethernet
- Individual IP address
- Works with any BMS (Building Management System) by using the module of potential-free contacts or a CAN-bus
- Unlimited grouping of systems and joint supervision by Smart Touch Controller
- Management and visualization of the system using a dedicated SMART VISIO

System CBS

The CBS central battery system is state-of-the-art, reliable and easy-to-operate central battery system constructed in accordance with the requirements of VDE 0108 as well as EN 50171 and EN 50172 standards. Due to the possibility of using sub-modules it is dedicated to medium and large buildings and was designed in SMART technology.

The system monitors each output circuit individually and with the use of address modules – each luminaire. The system allows any configuration of mode both of the circuit and the luminaire. Using the driver one can programme the mode of the address module without interfering into the luminaire and without any specialized service software. The SD card slot used in the system allows to perform a backup of the system and to save the periodic test results, event log and system configuration, in accordance with EN 50172. The event log can be printed out of the SD card on any PC without any additional software. Besides, all the settings are stored in non-volatile memory and will not be lost even during the complete power supply and battery failure. The charger module ensures battery charging based on UI characteristics with temperature compensation according to EN 50171. The charger is equipped with internal active PFC module which provides a power factor close to 1. Linear modules have separate protection for AC and DC mode, significantly increasing the safety level while switching on emergency lighting in the building. In DC mode the system works in IT network layout (isolated system).

Some of the most important characteristics:

- LCD display with easy-to-use menu
- Automatic test performing
- Automatic detection and adding luminaires to the system
- Monitoring of each Luminaire, monitoring of each circuit
- Programming and configuration of the luminaires directly from the central unit
- Communication with luminaires through the power cable
- SMART technology – any mode of operation of the luminaire (SMART technology – more information)
- The linear modules are secured for the AC and DC mode separately
- SD card slot and card itself allow to save the periodic test results, event log and system configuration, in accordance with EN 50172
- Possibility to record the back-up of the system on the SD card
- Night mode operation
- Possibility to control luminaires and functions of the system through the 24V and 230V internal and external connectors
- Possibility to monitor power in the distribution boards and in the separate lighting circuits
- Possibility to use sub-modules in standard version and HUB version
- USB slot
- RJ45 connector for direct communication with any computer via Ethernet
- Preview of the system via any web browser
- Battery pack with a life of 10 years
- Works with any BMS (Building Management System) by using the potential-free contacts
- Management and visualization of the system by using dedicated software SMART VISIO

Emergency modules

LIDER EVG PLUS – emergency module with NiCd batteries, intended for luminaires equipped with high frequency electronic ballast or magnetic ballast

	W	h	batterie	mAh	V	VA
LEP36/1	6-36	1	NiCd SC 1500/3,6	1500	3,6	5,4
LEP58/1	6-58	1	NiCd SC 1500/4,8	1500	4,8	7,2
LEP80/1	6-80	1	NiCd SC 1500/6	1500	6	9
LEP36/3	6-36	3	NiCd SC 4000/3,6	4000	3,6	14,4
LEP58/3	6-58	3	NiCd SC 4000/4,8	4000	4,8	19,2
LEP80/3	6-80	3	NiCd SC 4000/6	4000	6	24

LIDER EVG – emergency module with NiCd batteries, intended for luminaires equipped with high frequency electronic ballast or magnetic ballast

	W	h	battery	mAh	V	VA
LE36/1	6-36	1	NiCd SC 1500/3,6	1500	3,6	5,4
LE58/1	6-58	1	NiCd SC 1500/4,8	1500	4,8	7,2
LE80/1	6-80	1	NiCd SC 1500/6	1500	6	9
LE36/3	6-36	3	NiCd SC 4000/3,6	4000	3,6	14,4
LE58/3	6-58	3	NiCd SC 4000/4,8	4000	4,8	19,2
LE80/3	6-80	3	NiCd SC 4000/6	4000	6	24

LIDER EVG AT – emergency module with NiCd batteries, with autotest function, intended for luminaires equipped with high frequency electronic ballast or magnetic ballast

	W	h	battery	mAh	V	VA
LE36/1/AT	6-36	1	NiCd SC 2500/3,6	2500	3,6	5,4
LE58/1/AT	6-58	1	NiCd SC 2500/4,8	2500	4,8	7,2
LE80/1/AT	6-80	1	NiCd SC 2500/6	2500	6	9
LE36/3/AT	6-36	3	NiCd SC 4000/3,6	4000	3,6	14,4
LE58/3/AT	6-58	3	NiCd SC 4000/4,8	4000	4,8	19,2
LE80/3/AT	6-80	3	NiCd SC 4000/6	4000	6	24

LIDER NT EVG – emergency module for ambient temperature from -25°C, with NiCd batteries, intended for luminaires equipped with high frequency electronic ballast or magnetic ballast

	W	h	battery	mAh	V	VA
LE36/1/NT	6-36	1	NiCd SC 2500/3,6	2500	3,6	5,4
LE58/1/NT	6-58	1	NiCd SC 2500/4,8	2500	4,8	7,2


LIN – emergency module with NiMH batteries, intended for luminaires equipped T5 lamps

	W	h	battery	mAh	V	VA
LN21/1	8, 14, 21	1	NiMH 1500/3,6	1500	3,6	5,4
LN39/1	24, 39	1	NiMH 1500/4,8	1500	4,8	7,2
LN49/1	28, 35, 49	1	NiMH 1500/6	1500	6	9
LN80/1	54, 80	1	NiMH 1500/6	1500	6	9
LN21/3	8, 14, 21	3	NiMH 4000/3,6	4000	4,8	7,2
LN39/3	24, 39	3	NiMH 4000/4,8	4000	4,8	19,2
LN49/3	28, 35, 49	3	NiMH 4000/6	4000	6	24
LN80/3	54, 80	3	NiMH 4000/6	4000	6	24

Pictograms

Selfadhesive signs for emergency fittings

When ordering is necessary specify size of a pictogram or type of luminaire for which is the pictogram ordered.

	S	M	L
	100 x 300 mm	125 x 250 mm	150 x 300 mm
Typ	TG, TL, TGS, TLS	H, HE, HL, HEL, HD, HDE, HDL, HDEL	TP, TPL, TW, PL, P, IFA, IFB



PIK01



PIK02



PIK04



PIK05



PIK06



PIK07



PIK08



PIK09



PIK10



PIK11



PIK12



PIK13



PIK14



PIK15

Recommended recognition distance

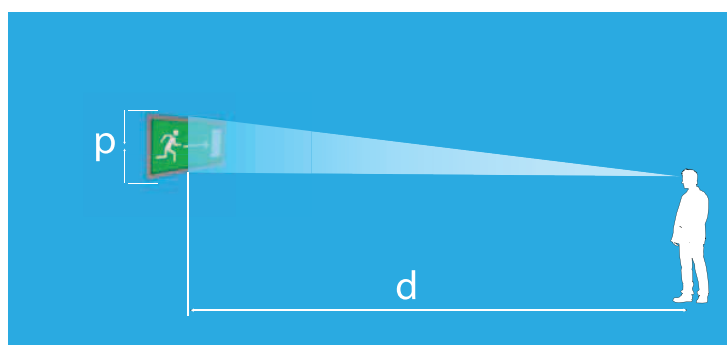
d- distance

p - height of pictogram

s - constant

200 - inside illuminated pictogram

100 - outside illuminated pictogram



Suspension set



ZH
Cord suspension with plastic cover of a ceiling hook, without a power cord (cable)

ZH22
Set of 4 cords (length 2 m)
Slider is screwed directly into a luminaire body.
This set can be used also for luminaires, which are hung in 2 points – one set for 2 luminaires.
Usable for luminaires LL, LLX, LLY, SLIM, KL, KM, KS, ERA, EXA (4x), T, V3



ZH11
Set of 2 cords (length 2 m)
Slider is terminated by a short cord with end blobs for hooking into cut-outs in a luminaire body
Usable for luminaires EPOS, EXA (2x), EGO, LEP, MAR, ARES, EVAS



ZHX
Cord suspension, without a power cord (cable)

ZHX22
Set of 4 cords (length 2 m)
Slider is screwed directly into a luminaire body.
This set can be used also for luminaires, which are hung in 2 points – one set for 2 luminaires.
Usable for luminaires LL, LLX, LLY, SLIM, KL, KM, KS, ERA, EXA (4x), T, V3



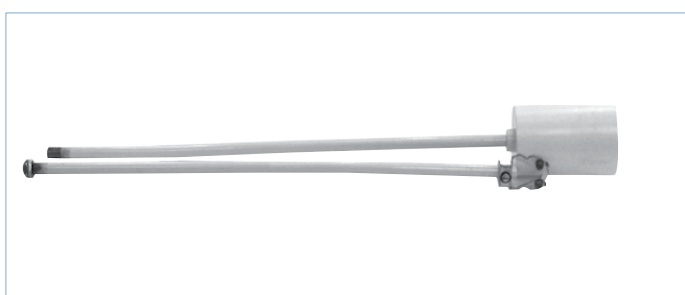
ZHX11
Set of 2 cords (length 2 m)
Slider is terminated by a short cord with end blobs for hooking into cut-outs in a luminaire body
Usable for luminaires EPOS, EXA (2x), EGO, LEP, MAR, ARES, EVAS



ZHS
Power cord for pendant luminaires

ZHS3
Transparent power cord, 3x0,75 mm², length 2,2 m.
Aluminium cover of terminal block included (RAL9007s)
For standard luminaires

ZHS5
Transparent power cord, 5x0,75 mm², length 2,2 m.
Aluminium cover of terminal block included (RAL9007s)
For dimmable luminaires, more-circuits wiring or for light fittings with emergency module



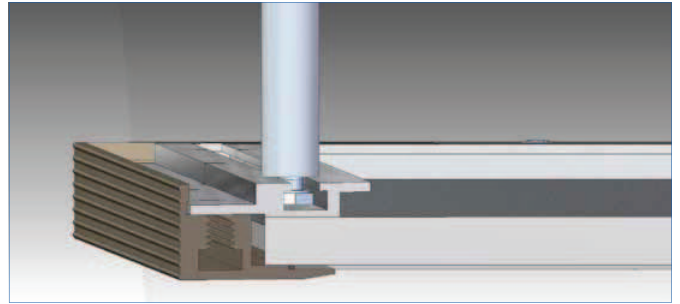
	mm
54110	400
54111	600
54112	900
54107	1000
54108	1200
54109	2000

Tube suspension
These suspension are convenience for one lamps light fittings especially.
The tube has 7 mm inside diameter, can be cut short.

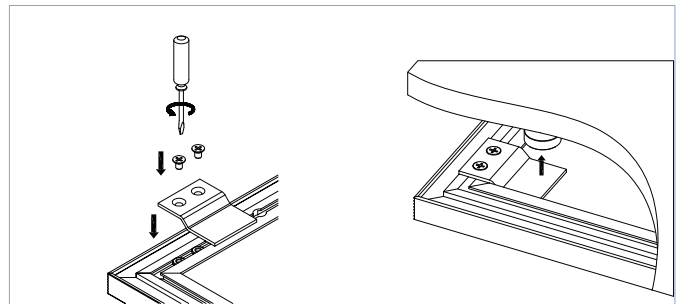
Accessories Q



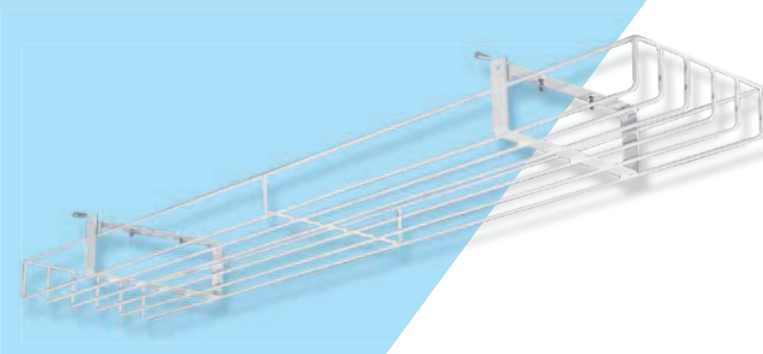
ZHQ22
Cord suspension for MODUS Q fittings, without power cable.



QMONTSET
Set of magnetic holders for surface installation of MODUS Q fittings onto a plasterboard ceiling



Protection grid OM





























































OM100

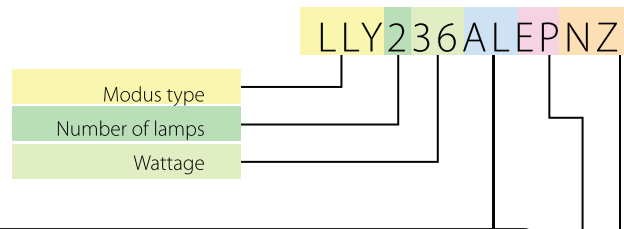
Surface mounted or recessed MODUS luminaires can be completed with a protective grille to provide additional protection against mechanical damage to the lights. In particular, the lighting installed in sport halls, industrial plants, but also for example in places where it is necessary to prevent the possible intervention of persons in lighting equipment.

Notes

Legend

		Standard features	Optional equipment
	suspension fitting, direct	 compact fluorescent lamp TC-SEL with 2G7 base	 bulb 60 W with E27 base
	suspension fitting, indirect	 compact fluorescent lamp TC-L with 2G11 base	 bulb or discharge lamp with E27 base, max 100 W
	suspension fitting, direct/indirect	 circle fluorescent lamp with G10q base	 bulb or discharge lamp with E27 base, max 125 W
	suspension fitting, asymmetric	 halogen discharge lamp with RX7s base	 bulb or discharge lamp with E27 base, max 150 W
	suspension fitting, double side information	LED LED source	 bulb or discharge lamp with E40 base, max 150 W
	suspension fitting, single side information	 luminaires can be also delivered with LED tubes	 bulb or discharge lamp with E40 base, max 250 W
	suspension fitting	230 V 50 Hz voltage 230 V – 50 Hz	 bulb or discharge lamp with E40 base, max 400 W
	surface mounted fitting, direct	 electromagnetic ballast EEI = B	 discharge lamp with RX7s base, max 150 W
	wall mounted fitting	 electronic ballast	 protection degree IP20
	surface mounted fitting, direct/indirect	 dimmable electronic ballast	 protection degree IP22
	recessed fitting	 multiwatt electronic ballast	 protection degree IP23
	recessed fitting, asymmetric	3P terminal connector 3p.	 protection degree IP40
	recessed fitting, side	5PC terminal connector 5 p. for continuous assembly	 protection degree IP42
	recessed fitting, asymmetric side	7PC terminal connector 7 p. for continuous assembly	 protection degree IP43
	surface mounted fitting, asymmetric	 for installed on normally flammable surfaces	 protection degree IP44
	park lighting	 compensated	 protection degree IP54
	floor lamp	 uncompensated	 protection degree IP55
	wall mounted fitting, direct	 Class II	 protection degree IP65
	linear fluorescent lamp T8 with G13 base	KIT fitting in KIT version	 louvre category 2
	linear fluorescent lamp T5 with G5 base	 emergency source	 impact protection IK08
	compact fluorescent lamp TC-S with G23 base	 fitting must not be covered	 impact protection IK09
	compact fluorescent lamp with G24 base	 connector system Wieland gesis	 energy efficiency label Energy efficiency classes of lamps compatible with the Luminaire.

MODUS coding



Optics

AL	parabolic louvre of highly polished aluminium with mat aluminium cross blades
ALDP	double parabolic louvre category C2 of highly polished aluminium
ALDP2	double parabolic louvre category C2 of highly polished aluminium
MATDP	double parabolic louvre category C2 of mat aluminium
M4DP	double parabolic louvre category C2 of MIRO aluminium
ALMAT	parabolic louvre of mat aluminium
ALS	parabolic louvre of highly polished aluminium with mat-ribbed cross blades
ALSMAT	parabolic louvre of mat aluminium with mat-ribbed cross blades
ALU	parabolic louvre of highly polished aluminium with mat aluminium cross blades
AS	highly polished asymmetric aluminium reflector
B	white parabolic louvre
INA	closed cover with line
INB	closed cover
INC	perforated cover
KO	opal cover
KP	prismatic (pellucid) cover
KS	semiopal (frosted) cover
PC	polycarbonate cover
PS	polystyrol cover
REFAL	highly polished aluminium reflector
REFB	white reflector
REFPC	metalized polycarbonate reflector

Wiring

N	uncompensated, ballast cat B
K	compensated, ballast cat. B
EP	high frequency ballast
EPSA	HFB analogue dimmable (1–10 V)
EPSD	HFB digital dimmable DSI
EPSDD	HFB DALI dimmable

Next variants

600	for modul 600
625	for modul 625
NZ	emergency source 1 h
NZ3	emergency source 3 h
P	continuous assembly (through wiring) 3 phasis
F	with flexible cord
K	with WIELAND connector
OK	2 circuits connection
Y	perforated cover
R	for mounting to row
Z	for pendant mounting
V	flange for bracket
S	flange for pole
POJ	terminal block with fuse
RAL9006	color RAL 9006



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