

Emergency Lighting Catalogue 2017



Led-lights.ie

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Light is like a diamond. It needs a perfect setting

LED Lightech Ltd is a fully owned Irish company based in Monasterevin Co Kildare. For over 35 years we have been installing beautiful lighting for many different projects from simple lamp replacements to DMX and DALI controlled lighting systems. Our skilled personnel work closely with our customers from concept stage to project completion. We work with designers, specifiers and contractors in creating effective and attractive lighting concepts.

The products we sell are of the highest standard and all are fully certified to meet regulations and standards such as TÜV, RoHS, CE, UL GS. To achieve the highest quality and reliability we use only recognised quality components such as CREE, Bridgelux, Osram, Philips and Epistar chips, and Tridonic, Philips, Osram, Samsung, Meanwell and other major quality leading brands of drivers. All our products have between 25000 and up to 100000 hours working life and are fully guaranteed for up to 5 years.

We cater for all requirements with our extensive range of LED products from our standard and designer range which you will find in our catalogue attached or visit our web site WWW.LED-LIGHTS.IE. We offer once off special fittings and lights to your requirements. By working closely with major lighting suppliers and designers in Europe everything is possible from unique designs, product quality, on time delivery and price competitive.

Grants up to 30% of outlay on retrofit and new builds by installing LED are available subject to a certain criteria, we offer a free service assisting you in obtaining these grants and helping you to permanently reduce your electricity costs, call us for more information.

Albert Crowley,
Managing Director
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Evacuation and emergency lighting fittings

Orion.....	3
Vega.....	4
Kas.....	6
Oximia.....	7
Punto.....	8
Starlet External.....	9
Starlet.....	10
Starlet White.....	11
Iluma.....	12

Emergency Units

Primus / Primus tec.....	13
Primus EXT.....	14
Primus LED.....	15

Industrial Luminaires

Tri Proof.....	16
Helma.....	17
Tri Proof LED.....	18
Tri Proof LED Deluxe.....	19

Plafonds

Cosmic LED.....	20
Milo LED.....	21
Iluma / Carina.....	22

LED Light Source

Fest Pro LED.....	23
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Emergency Lighting Systems

CM.....	25
CB.....	26
Symbols.....	27

Orion

IP65 protection rating

The base and the light cover are made of a high quality, V0 class PC polycarbonate

Power supply voltage: 230 V 50 Hz

Light source: T5 8W LED tube

Functions: A - Non-maintained version or SA - Maintained (universal*) version

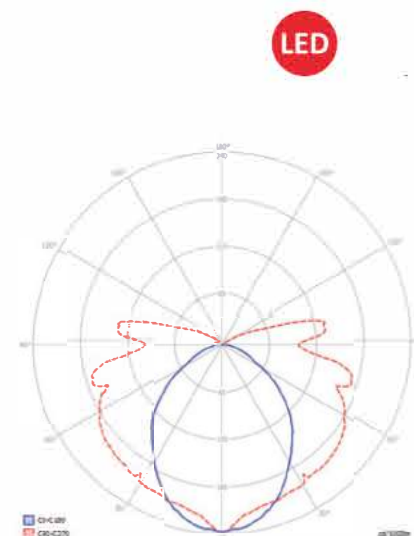
Ni-Cd HT or Ni-MH HT batteries with the autonomy time 3 h, charging: 24 h

Ceiling or wall installation

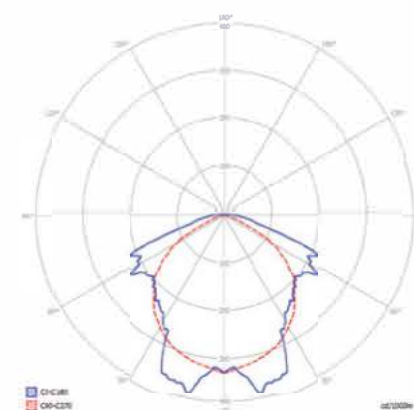
For illuminating evacuation routes and exits in public buildings

Visibility: 20 m

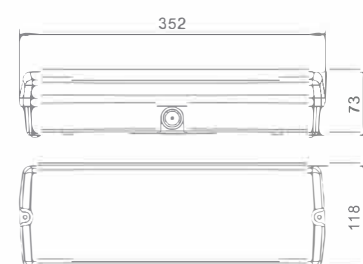
Temperature working range: 10°C - 55°C



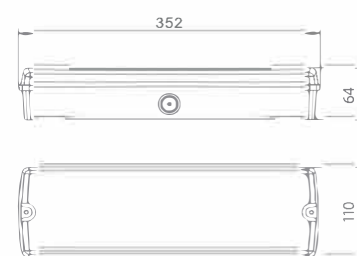
Orion T5



Orion LED



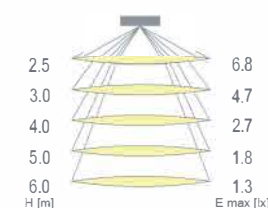
Orion T5, LED



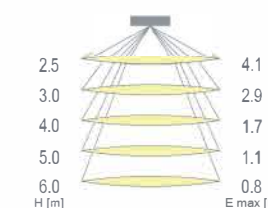
Orion LED 7 W



Orion LED



Orion LED 7W



Orion LED

SPACING TABLE FOR FLAT EVACUATION ROUTES

ORION LED

Installation height (m)				
2,5	2,3	6,8	4,7	1,7
3	2,2	6,7	4,7	1,6
4	1,8	6,6	4,7	0,7

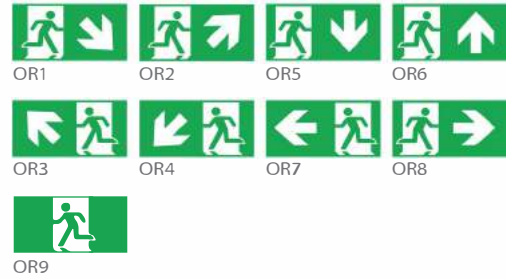
ORION LED 7W

Installation height (m)				
2,5	2,7	8,4	7,1	2,7
3	2,8	8,3	7,6	2,8
4	2,5	8,1	8,0	2,7

UNIVERSAL PICTOGRAM IN THE KIT



AVAILABLE PICTOGRAMS



Model	Catalogue number	Dimensions (mm)
EXIT DOWN TO THE RIGHT	39980 / OR1	300x100
EXIT UP TO THE RIGHT	39982 / OR2	300x100
EXIT UP TO THE LEFT	39983 / OR3	300x100
EXIT DOWN TO THE LEFT	39981 / OR4	300x100
EXIT DOWN	39977 / OR5	300x100
EXIT UP	98007 / OR6	300x100
EXIT TO THE LEFT	39979 / OR7	300x100
EXIT TO THE RIGHT	39978 / OR8	300x100
EVACUATION EXIT	39962 / OR9	300x100

DOUBLE-SIDED FRAME PICTOGRAMS



Model	Catalogue number	Dimensions (mm)
EVACUATION EXIT	98006 / E1	300 x 150
EXIT TO THE RIGHT	98005 / E2	300 x 150
EXIT TO THE LEFT	98004 / E3	300 x 150
EXIT DOWN TO THE LEFT	98003 / E4	300 x 150
EXIT UP TO THE LEFT	98002 / E5	300 x 150
EXIT UP TO THE RIGHT	98001 / E6	300 x 150
EXIT DOWN TO THE RIGHT	98000 / E7	300 x 150
EXIT DOWN R	97999 / E8	300 x 150
EXIT DOWN L	97998 / E9	300 x 150
EXIT UP R	97997 / E10	300 x 150
EXIT UP L	97996 / E11	300 x 150



Double-sided frame



Frame for recessed installation

Model	Catalogue number	Light source	Function	Autonomy	Autotest	Dimension (mm)	Weight (kg)
ORION 3 h SA	39955	T5 8 W	SA	3 h	-	352 x 118 x 73	1,3
ORION LED 3 h A	39957	LED	A	3 h	-	352 x 118 x 73	1,0
ORION LED 3 h SA	41628	LED	SA	3 h	-	352 x 118 x 73	1,0
ORION LED 3 h SA NIMH	99989	LED	SA	3 h	-	352 x 118 x 73	1,0
ORION LED 3h SA AT	99905	LED	SA	3 h	✓	352 x 118 x 73	1,0
ORION LED 7 W 3 h A	98304	LED	A	3 h	-	352 x 110 x 64	1,0
ORION LED 7 W 3 h SA	98305	LED	SA	3 h	-	352 x 110 x 64	1,0
ORION LED 7W 3H SA AT	97245	LED	SA	3 h	✓	352 x 110 x 64	1,0
DOUBLE-SIDED FRAME	40465	-	-	-	-	121	-
FRAME FOR RECESSED INSTALLATION	96907	-	-	-	-	121	-

Vega

IP54 Protection Rating

The base and the light are made of high-quality, V0 class PC polycarbonate

Power supply voltage: 230 V 50 Hz

Light source: T5 8W LED tube

Functions: SA - Maintained (universal*) version

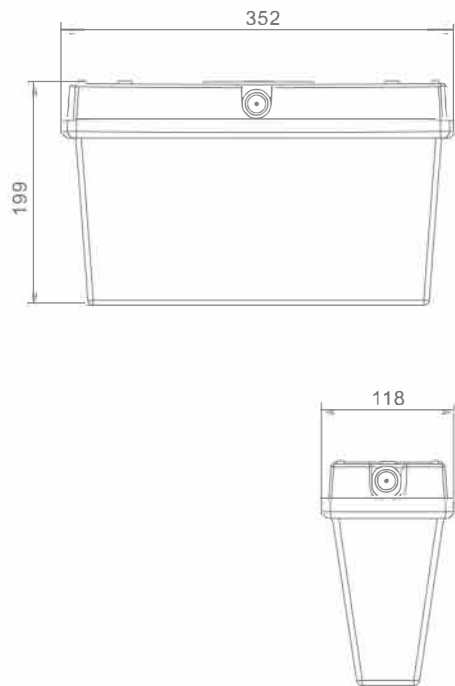
Ni-Cd HT batteries with the autonomy time 3h, charging 24h

Ceiling installation

For illuminating evacuation routes and exits in public buildings

Visibility: 30 m

Temperature working range: 10°C - 55°C



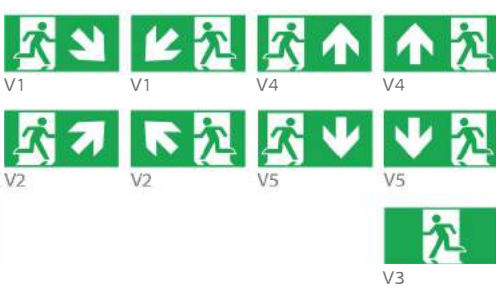
Vega



UNIVERSAL PICTOGRAM IN THE KIT



AVAILABLE PICTOGRAMS



Model	Catalogue number	Light source	Function	Autonomy	Multi-pack dimensions (mm)	Weight (kg)	Multi-pack (pcs)
VEGA 3 h SA	39960	T5 8 W	SA	3 h	550x400x460	1,6	8

Model	Catalogue number	Dimensions (mm)	Pack (pcs)
EXIT DOWN TO THE RIGHT-LEFT	39985 / V1	320x140	2
EXIT UP TO RIGHT-LEFT	39986 / V2	320x140	2
EVACUATION EXIT	39984 / V3	320x140	2
EXIT UP	97992 / V4	320x140	2
EXIT DOWN	97879 / V5	320x140	2

Kas

IP20 protection rating

Aluminium profile

Power supply voltage: 230V 50HZ

Light source: LED diodes

Operation mode switch: A - Non maintained version
or SA - Maintained version

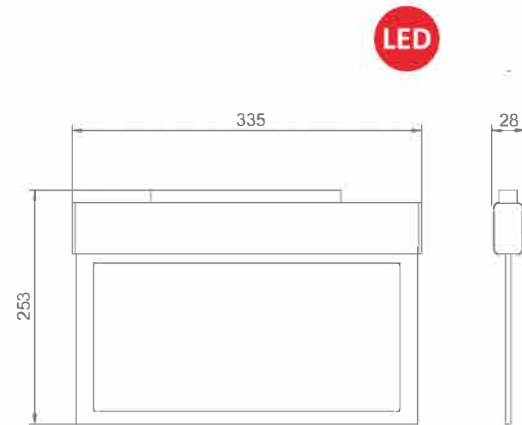
Ni -Cd HT batteries with the autonomy time: 3h, charging:
24h

Ceiling or wall installation

For illuminating evacuation routes and exits in public
buildings

Visibility: 30 m

Temperature working range: 10° C – 55°C



Model	Catalogue number	Light source	Function	Autonomy	Multi-pack dimensions (mm)	Weight (kg)	Multi-pack (pcs)
KAS 3 h SA/A	99993	LED	SA/A	3 h	400x360x300	1,0	10

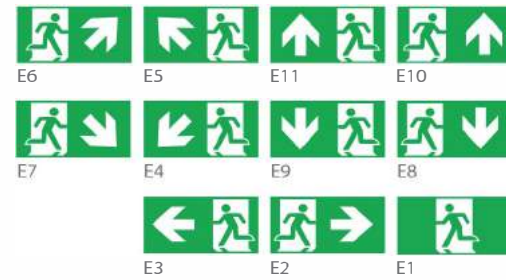
AVAILABLE PICTOGRAMS

Model	Catalogue number	Dimensions (mm)
EVACUATION EXIT	98006 / E1	300 x 150
EXIT TO THE RIGHT	98005 / E2	300 x 150
EXIT TO THE LEFT	98004 / E3	300 x 150
EXIT DOWN TO THE LEFT	98003 / E4	300 x 150
EXIT UP TO THE LEFT	98002 / E5	300 x 150
EXIT UP TO THE RIGHT	98001 / E6	300 x 150
EXIT DOWN TO THE RIGHT	98000 / E7	300 x 150
EXIT DOWN R	97999 / E8	300 x 150
EXIT DOWN L	97998 / E9	300 x 150
EXIT UP R	97997 / E10	300 x 150
EXIT UP L	97996 / E11	300 x 150

UNIVERSAL PICTOGRAM IN THE KIT



AVAILABLE PICTOGRAMS



Oximia

IP20 protection rating

Steel powder coated profile, PMMA board

Power supply voltage: 230 V 50 Hz

Light source: LED diode

Functions: A - Non maintained version or
SA - Maintained version

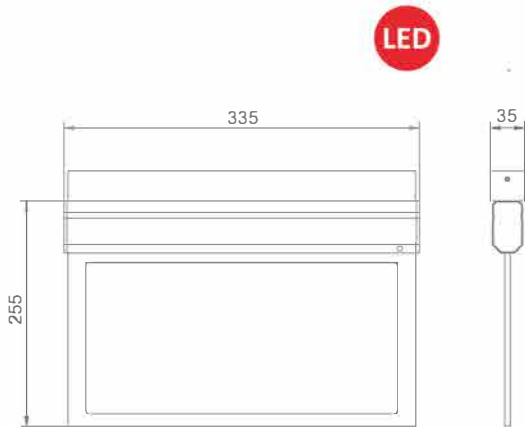
Ni-Cd HT batteries with the autonomy time:
3h, charging: 24h

Ceiling and wall mount installation

For illuminating evacuation routes and exits in public
buildings

Temperature working range: 10°C – 55°C

Visibility: 30 m



Flag mounting bracket



Wall mounting bracket



Model	Catalogue number	Light source	Function	Autonomy	Multi-pack dimensions (mm)	Weight (kg)	Multi-pack (pcs)
OXIMIA 3 h SA/A	40095	LED	SA	3 h	390x285x300	1,2	5
FLAG MOUNTING BRACKET	97436	-	-	-	-	-	1
WALL MOUNTING BRACKET	97437	-	-	-	-	-	1

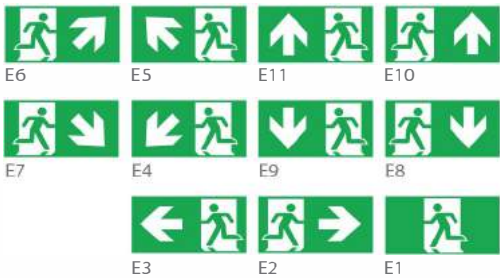
AVAILABLE PICTOGRAMS

Model	Catalogue number	Dimensions (mm)
EVACUATION EXIT	98006 / E1	300 x 150
EXIT TO THE RIGHT	98005 / E2	300 x 150
EXIT TO THE LEFT	98004 / E3	300 x 150
EXIT DOWN TO THE LEFT	98003 / E4	300 x 150
EXIT UP TO THE LEFT	98002 / E5	300 x 150
EXIT UP TO THE RIGHT	98001 / E6	300 x 150
EXIT DOWN TO THE RIGHT	98000 / E7	300 x 150
EXIT DOWN R	97999 / E8	300 x 150
EXIT DOWN L	97998 / E9	300 x 150
EXIT UP R	97997 / E10	300 x 150
EXIT UP L	97996 / E11	300 x 150

UNIVERSAL PICTOGRAM IN THE KIT



AVAILABLE PICTOGRAMS



Punto

IP20 protection rating

Aluminium profile, pictograms made of PMMA, back part of enclosure made of steel (for Punto Wall)

Power supply voltage: 230 V 50 Hz

Light source: LED diodes

Functions: A - Non maintained version or SA - Maintained version

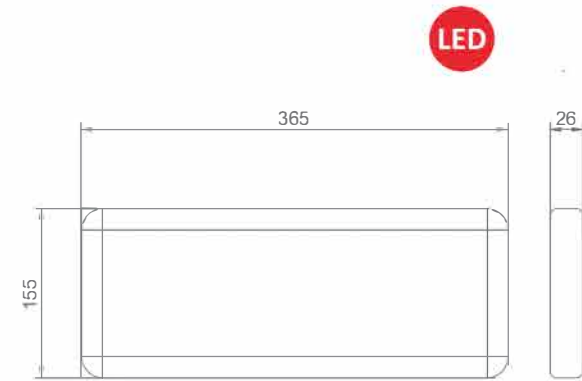
Ni-Cd HT batteries with the autonomy time: 2h, charging: 24h

Ceiling or wall installation (for Punto Wall)

For illuminating evacuation directions and designating evacuation exits in public buildings

Temperature working range: 10°C – 55°C

Visibility: 24 m



Punto (Double & Wall)



Punto Wall (back)



Model	Catalogue number	Light source	Function	Autonomy	Multi-pack dimensions (mm)	Weight (kg)	Multi-pack (pcs)
PUNTO WALL 2 h SA/A	40920	LED	SA/A*	2 h	430x480x390	0,75	20
PUNTO DOUBLE 2 h SA/A	40921	LED	SA/A*	2 h	430x480x390	0,75	20

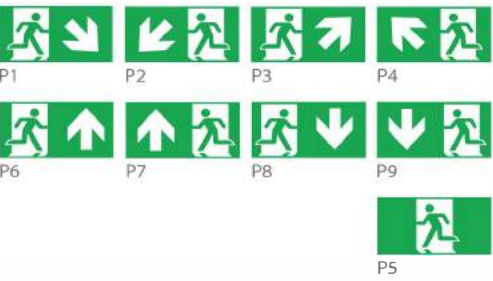
AVAILABLE PICTOGRAMS

Model	Catalogue number	Dimensions (mm)	Pack (pcs)
EXIT DOWN TO THE RIGHT	99951 / P1	345x135	1
EXIT DOWN TO THE LEFT	99952 / P2	345x135	1
EXIT UP TO THE RIGHT	99953 / P3	345x135	1
EXIT UP TO THE LEFT	99954 / P4	345x135	1
EVACUATION EXIT	40637 / P5	345x135	1
EXIT UP R	97994 / P6	345x135	1
EXIT UP L	97993 / P7	345x135	1
EXIT DOWN R	97876 / P8	345x135	1
EXIT DOWN L	97875 / P9	345x135	1

PICTOGRAM IN THE KIT

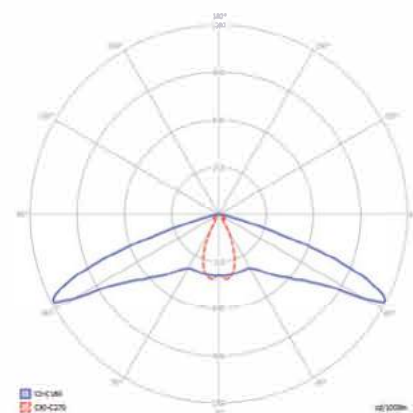
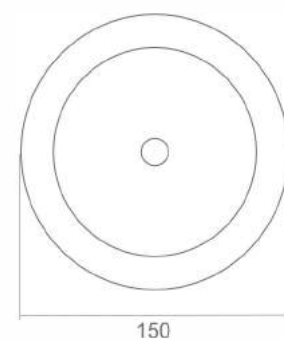


AVAILABLE PICTOGRAMS

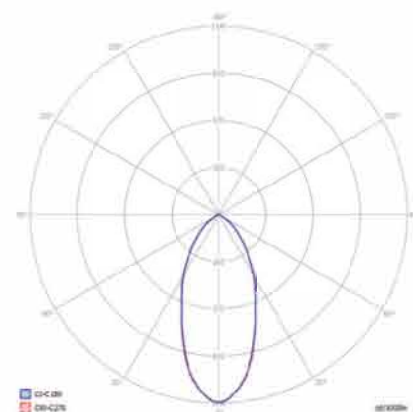


Starlet External

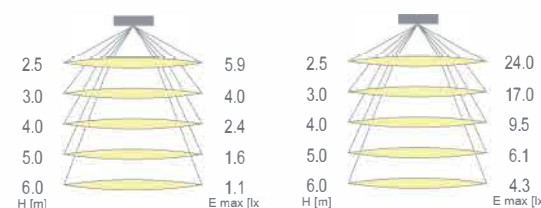
- IP41 protection rating
- High-quality polycarbonate enclosure
- Available colours: white
- Power supply voltage: 230 V 50 Hz
- Light source: 3W LED diodes
- Function: A - Non maintained version
- Ni-Cd HT batteries with the autonomy time of 3h, charging: 24h
- Ceiling Mounting
- For illuminating evacuation routes and exits in public buildings
- Applications: staircases and open zones
- Temperature working range: 10°C - 55°C



Starlet External SC



Starlet External SO



Starlet External SC

Starlet External SO



Starlet External SC



Starlet External SO



Model	Catalogue number	Light source	Type of lens	Function	Autonomy	Weight (kg)
STARLET EXTERNAL SC 3 W 3 h A	99904	LED 3 W	corr dbr type	A*	3 h	0,5
STARLET EXTERNAL SO 3 W 3 h A	99898	LED 3 W	open zones	A*	3 h	0,5

* A – non-maintained version

SPACING TABLE FOR FLAT EVACUATION ROUTES

STARLET EXTERNAL SC 3 W

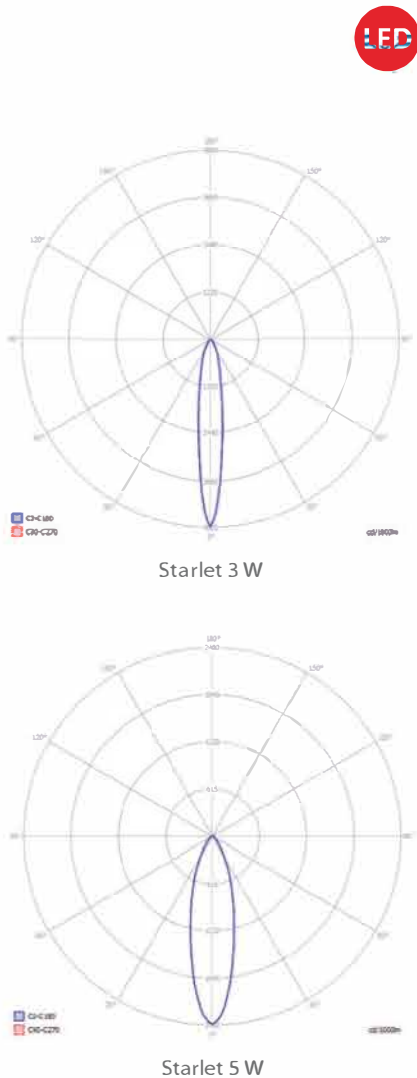
Installation height (m)	Icon 1	Icon 2	Icon 3	Icon 4
2,5	5,3	12,9	3,1	1,3
3	5,8	14,3	3,5	1,5
4	4	15,6	4,2	1,6

STARLET EXTERNAL SO 3 W

Installation height (m)	Icon 1	Icon 2	Icon 3	Icon 4
2,5	2,5	6,3	6,4	2,5
3	2,8	6,9	6,9	2,8
4	3,1	7,9	7,9	3,1

Starlet

- IP20 Protection rating
- Enclosure made of aluminium
- Power supply voltage: 230V , 50Hz
- Light source: 3W or 5W LED diodes
- Functions: A - Non maintained version or SA - Maintained version
- Ni-Cd HTbatteries with the minimum autonomy time of 3h, charging: 24h
- Installation: Suspended ceilings
- For illuminating evacuation routes and exits in public buildings
- Applications: corridors, staircases, small rooms
- Temperature working range: 10°C – 55°C



Starlet 3 W

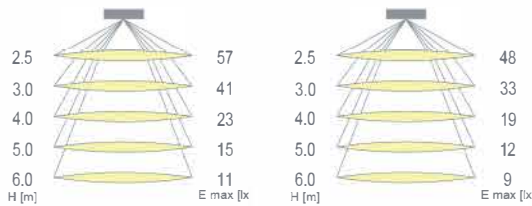


Starlet 5 W



Model	Catalogue number	Light source	Function	Autonomy	Weight (kg)	Multi-pack (pcs)
STARLET 3 W 3 h SA/A	41647	LED 3 W	SA/A*	3 h	0,75	20
STARLET 5 W 3 h SA/A	41648	LED 5 W	SA/A*	3 h	0,8	12

Availability of wiring as A- non-maintained version or SA – maintained version



SPACING TABLE

STARLET 5 W

Installation height (m)	1	2	3	4
2,5	2,1	5	5	2,1
3	2,3	5,7	5,7	2,3
4	2,6	6,5	6,5	2,6

STARLET 3 W

Installation height (m)	1	2	3	4
2,5	1,7	3,9	3,9	1,7
3	1,9	4,7	4,7	1,9
4	2,2	5,4	5,4	2,2

Starlet White

IP 20 protection rating

Aluminium enclosure

Power supply voltage: 230V , 50Hz

Light source: LED 3W or 5W

Functions: A- Non maintained version or
SA- maintained version

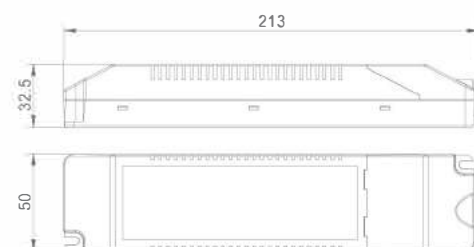
SC= corridors or SO= open zones

Ni-Cd HT batteries with the autonomy time of 3h

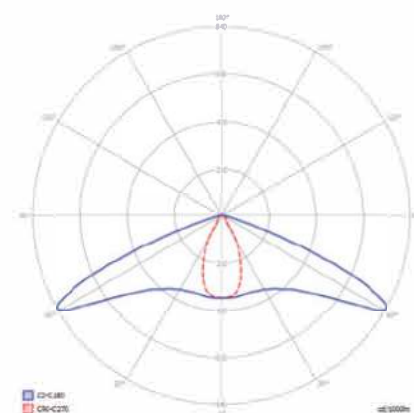
Temperature working range: 10°C – 55°C

LED

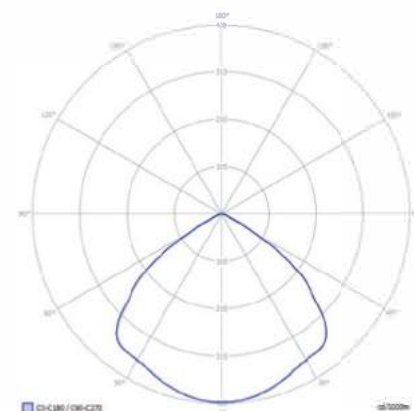
Electronic housing
all versions



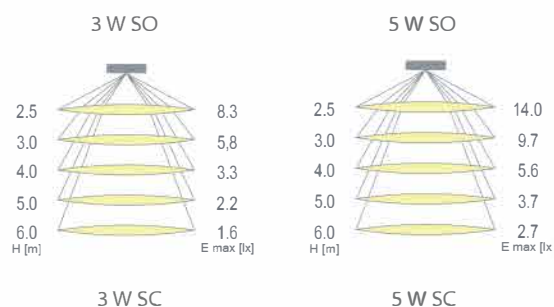
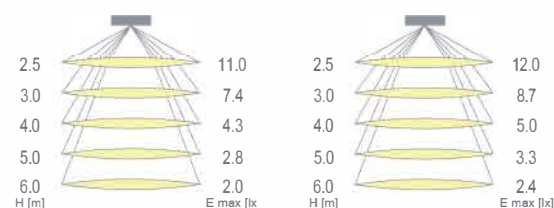
Battery pack
all versions



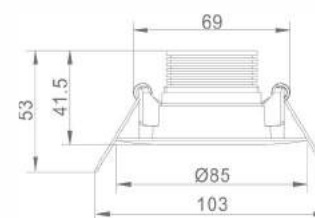
Starlet White LED SC 5 W



Starlet White LED SO 5 W



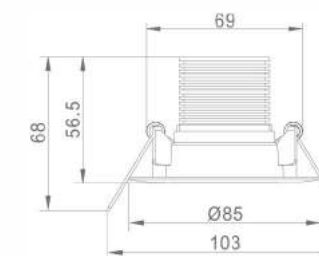
Starlet White SO



version 3W



Starlet White SC



versions 5W



Model	Catalogue number	Light source	Type of lens	Function	Autonomy	Test	Weight (kg)
Starlet White LED SO 3 W 3 h SA MT	99616	LED 3 W	SO*	SA**	3 h	Manual	0,75
Starlet White LED SO 5 W 3 h SA MT	99615	LED 5 W	SO*	SA**	3 h	Manual	0,80
Starlet White LED SO 5 W 3 h A AT	99614	LED 5 W	SO*	A**	3 h	Autotest	0,80
SC Lens (corridor type)	99613		SC				0,01

Supplied as standard with a lens SO (open zones). Lens SC (corridor type) is available as a separate accessory.
Availability of wiring as A - non-maintained version or SA - maintained version

SPACING TABLE FOR FLAT EVACUATION ROUTES

STARLET WHITE 5 W SO

Installation height (m)	3,4	7,9	7,9	3,4
2,5	3,4	7,9	7,9	3,4
3	3,8	8,9	8,9	3,8
4	4,1	10,6	10,6	4,1

STARLET WHITE 5W SC

Installation height (m)	5,9	13,3	4,3	1,7
2,5	5,9	13,3	4,3	1,7
3	6,7	15,1	4,5	1,8
4	7,5	18,3	5,2	2,3

ILuma

LED PANELS

IP40 protection rating

Aluminium profile

Power supply voltage: 230V, 50H, 220V, DC, 110V DC or 24V DC

Light source: LED

Functions: SA - maintained version

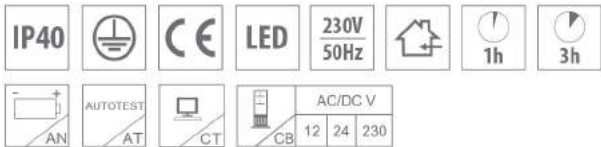
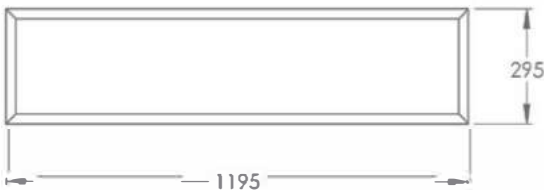
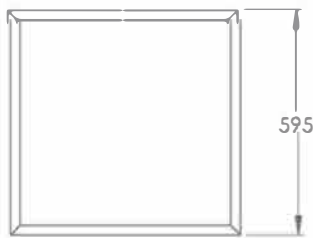
Ni-Cd or NI-MH HT batteries with 1h and 3h autonomy time

Installation: Ceiling recessed / Surface mounted

For illumination of evacuation ways and exits

Temperature working range: 5°C - 40°C

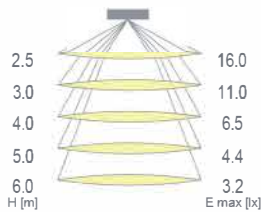
LED



SPACING TABLE FOR FLAT EVACUATION ROUTES

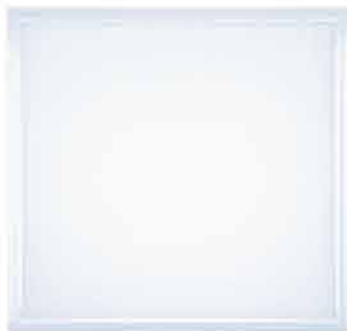
PANEL LED ILUMA 40W (K40)

Installation height (m)				
2.5	3.5	7.4	8.1	3.8
3	3.8	9.7	10.6	4.1
4	4.1	10.8	11.8	4.6



K40

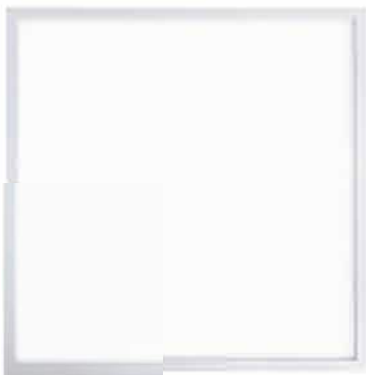
SURFACE-MOUNTED VERSIONS



Model	Catalogue number	Light source	Function	Autotest	Autonomy*	Dimensions (mm)
ILUMA Panel AWLN-K20/AN/3	96734	LED 15 W	SA	-	3 h	302x302x50
ILUMA Panel AWLN-K20/AT/3	96732	LED 15 W	SA	✓	3 h	302x302x50
ILUMA Panel AWLN-K40/AN/3	96737	LED 36 W	SA	-	3 h	602x602x50
ILUMA Panel AWLN-K40/AT/3	96725	LED 36 W	SA	✓	3 h	602x602x50
ILUMA Panel AWLN-P40/AN/3	96736	LED 36 W	SA	-	3 h	1202x302x50
ILUMA Panel AWLN-P40/AT/3	96719	LED 36 W	SA	✓	3 h	1202x302x50

*1h autonomy time is available on request

RECESSED-MOUNTED VERSIONS



Model	Catalogue number	Light source	Function	Autotest	Autonomy*	Dimensions (mm)
ILUMA Panel AWLP-K20/AN/3	96730	LED 15 W	SA	-	3 h	295x295x10
ILUMA Panel AWLP-K20/AT/3	96728	LED 15 W	SA	✓	3 h	295x295x10
ILUMA Panel AWLP-K40/AN/3	98808	LED 36 W	SA	-	3 h	595x595x10
ILUMA Panel AWLP-K40/AT/3	96722	LED 36 W	SA	✓	3 h	595x595x10
ILUMA Panel AWLP-P40/AN/3	97947	LED 36 W	SA	-	3 h	1195x295x10
ILUMA Panel AWLP-P40/AT/3	96717	LED 36 W	SA	✓	3 h	1195x295x10

* 1h autonomy time is available on request

Primus Tec

IP20 protection rating

The unit enclosure is made of high quality V0 class PC polycarbonate

Power supply voltage: 230V , 50Hz

Supported lighting fittings: equipped with 4-pin, 6-58W LED tubes

Supported ballasts: KVG and EVG

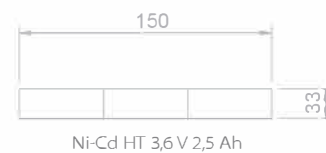
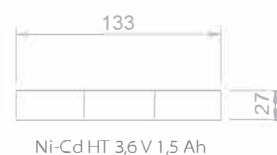
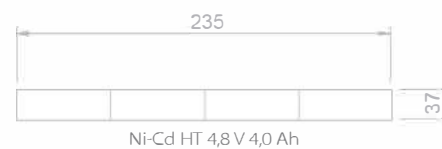
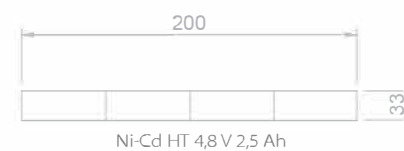
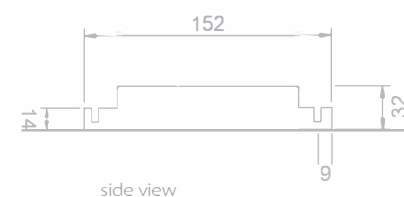
Functions: A - Non maintained version or SA - Maintained version

Ni-Cd HT batteries with the autonomy time: 2h or 3h

Installation: Screw fixed within lighting fixture (or externally)

For illuminating evacuation routes and exits in public buildings

Temperature working range: 5°C - 50°C



Battery packs

V type connector

Installation: in C or D type brackets

Primus Tec



Model	Catalogue number*	Function	Autonomy**	Weight with battery pack (kg)	Multi-pack (pcs)
PRIMUS 6-36 W SA/A 2 h	39929	SA/A	2 h	0,45	40
PRIMUS 6-36 W SA/A 3 h	39930	SA/A	3 h	0,55	40
PRIMUS 6-58 W SA/A 2 h	39932	SA/A	2 h	0,45	40
PRIMUS 6-58 W SA/A 3 h	39933	SA/A	3 h	0,55	40
PRIMUS TEC 6-36 W SA/A 2 h	39941	SA/A	2 h	0,45	40
PRIMUS TEC 6-36 W SA/A 3 h	39942	SA/A	3 h	0,55	40
PRIMUS TEC 6-58 W SA/A 2 h	39944	SA/A	2 h	0,50	40
PRIMUS TEC 6-58 W SA/A 3 h	39945	SA/A	3 h	0,60	40

* The catalogue number contains a kit: an emergency unit and a battery pack

** Models with 1 h autonomy times available on request

PRIMUS / PRIMUS TEC APPLICATIONS

Model	T8 / G13	TC-SEL / 2G7	TC-L / 2G11	TC-DEL / G24q	T5 / G5	TC-2D / GR10q	TC-TEL / GX24q
6-36 W	18/36 W	5/7/9/11 W	18/24/36 W	10/13/18/26 W	6/8/13/14/21 W	16 W	18/26 W
6-58 W	18/36/58 W	5/7/9/11 W	18/24/36 W	10/13/18/26 W	6/8/13/14/21/24/28 W	16/28/38 W	18/26/32/42 W

3x3 3,6 V 2,5 Ah



BATTERY PACKS

Model	Catalogue number	Type of pack	Weight (kg)	Multi-pack (pcs)
Ni-Cd HT 3,6 V 2,5 Ah	40158	C	0,21	40
Ni-Cd HT 3,6 V 4,0 Ah	40159	D	0,35	40
Ni-Cd HT 4,8 V 2,5 Ah	40161	C	0,28	40
Ni-Cd HT 4,8 V 4,0 Ah	40162	D	0,46	40

Primus EXT

- IP20 protection rating
- Unit enclosure made of zinc coated steel
- Power supply voltage: 230V , 50Hz
- Supported lighting fittings: equipped with 4-pin, 4–80W LED tubes
- Supported ballasts: KVG and EVG

Functions: A - Non maintained version or SA - Maintained version

Ni-Cd HT batteries with the autonomy time: 1h, 2h or 3 h, charging: 24h

Installation: Screw fixed within lighting fitting (or externally)
For illuminating evacuation routes and exits in public buildings

Temperature working range: 5°C - 50°C



Primus EXT 4-80 W

Model	Catalogue number*	Function	Autonomy	Multi-pack dimensions (cm)	Weight with battery pack (kg)	Multi-pack (pcs)
PRIMUS EXT 4–28 W SA/A 1 h	41471	SA/A	1 h	260x35x28	0,65	40
PRIMUS EXT 4–28 W SA/A 2 h	41472	SA/A	2 h	260x35x28	0,85	40
PRIMUS EXT 4–28 W SA/A 3 h	41473	SA/A	3 h	260x35x28	0,95	40
PRIMUS EXT 4–80 W SA/A 1 h	41474	SA/A	1 h	260x35x28	0,75	40
PRIMUS EXT 4–80 W SA/A 2 h	41475	SA/A	2 h	260x35x28	1,00	40
PRIMUS EXT 4–80 W SA/A 3 h	41476	SA/A	3 h	260x35x28	1,10	40

Battery pack is available on request

BATTERY PACKS

Model	Catalogue number	Dedicated to the model	Weight (kg)	Multi-pack (pcs)
Ni-Cd HT 6V 2,5 Ah	41483	PRIMUS EXT 4–28 W SA/A 1 h	0,35	40
Ni-Cd HT 6V 4,0 Ah	41484	PRIMUS EXT 4–28 W SA/A 2 h	0,58	40
Ni-Cd HT 6V 5,0 Ah	41485	PRIMUS EXT 4–28 W SA/A 3 h	0,58	40
Ni-Cd HT 7,2 V 2,5 Ah	41486	PRIMUS EXT 4–80 W SA/A 1 h	0,42	40
Ni-Cd HT 7,2 V 4,0 Ah	41487	PRIMUS EXT 4–80 W SA/A 2 h	0,70	40
Ni-Cd HT 7,2 V 5,0 Ah	41488	PRIMUS EXT 4–80 W SA/A 3 h	0,70	40

APPLICATIONS

Model	T8 / G13	TC-SEL / 2G7	TC-L / 2G11	TC-DEL / G24q	T5 / G5	TC-2D / GR10q	TC-TEL / GX24q
PRIMUS EXT 4–28 W	18 W	5/7/9/11 W	18/24 W	10/13/18/26 W	6/8/13/14/21/24/28 W	16/28 W	18/26 W
PRIMUS EXT 4–80 W	18/36/58 W	9/11 W	18/24/36/40/55 W	10/13/18/26 W	6/8/13/14/21/24/28/35/39/49/54/80 W	16/28/38 W	18/26/32/42 W

Primus LED

IP20 protection rating

The unit enclosure is made of high quality V0 class PC polycarbonate

Power supply voltage: 230V , 50 Hz

Functions: A - Non maintained version or SA- Maintained version

Ni-Cd HT batteries with the autonomy time: 2h or 3h
Charging: 24h

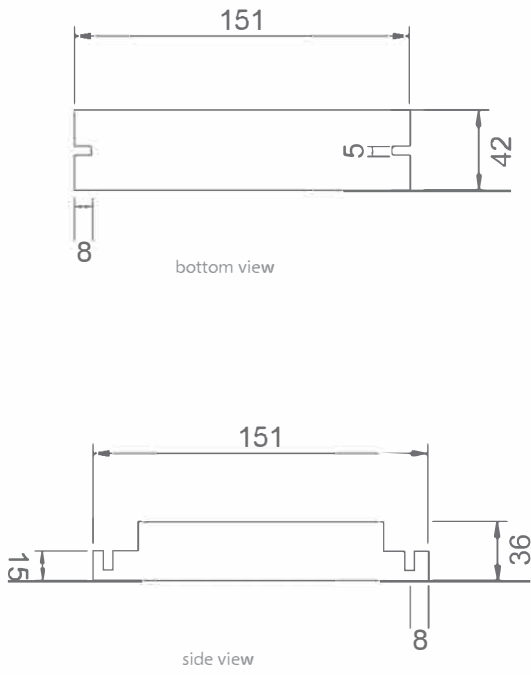
Installation: screw fixed within a lighting fixture (or externally)

For illuminating evacuation routes and exits in public buildings

Adapted to operate with LED tubes

Temperature working range: 5°C - 50°C

LED



Model	Catalogue number	Autonomy*	Battery pack	Applications **
PRIMUS LED D9/B 2h	98882	2 h	NiCd 4xC 4,8V 2500mAh	LED sources or Light with 230 V AC supply ***
PRIMUS LED D1/A 2h	99943	2 h	NiCd 3xC 3,6V 2500mAh	LEDsources or Light with up to 12 V DC supply ***
PRIMUS LED D2/A 2h	98865	2 h	NiCd 3xC 3,6V 2500mAh	LED sources or Light with 12-24 V DC supply ***
PRIMUS LED D4/A 2h	99937	2 h	NiCd 3xC 3,6V 2500mAh	LED sources or Light with 24-48 V DC supply ***
PRIMUS LED D6/A MT 3h	98870	2 h	NiCd 3xD 3,6V 4000mAh	LED sources or Light with 48-60 V DC supply ***

* 1 h and 3 h autonomy times are also available on request
** The information given below is general, please consult the commercial department to make a choice
*** Depending on possibility to connect an emergency module either on input or output of a LED driver



MODELS OF PRIMUS LED AC1S-XE DEDICATED FOR LED TUBES FEST PRO LED AC1S-XE

Model	Catalogue number	Autonomy*	Function	Battery pack	Weight (kg)
Primus LED AC1S-XE	99414	2 h	SAVA	3,6 V / 2,5 Ah	0,45

* 1 h and 3 h autonomy times are also available on request

Tri Proof

Increased IP65 protection

Applications: Areas with increased humidity and dust levels

Body made of PC Polycarbonate

Lamp cover made of PC polycarbonate

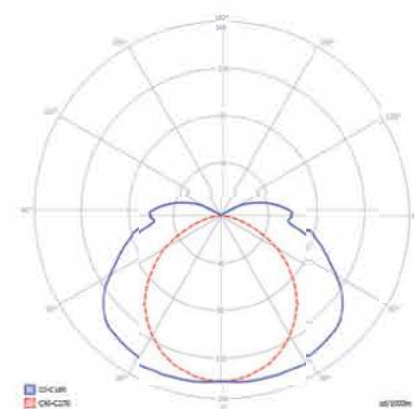
T8 LED tubes available separately

Recommended for illuminating industrial halls, warehouses, tunnels, basements, garages etc.

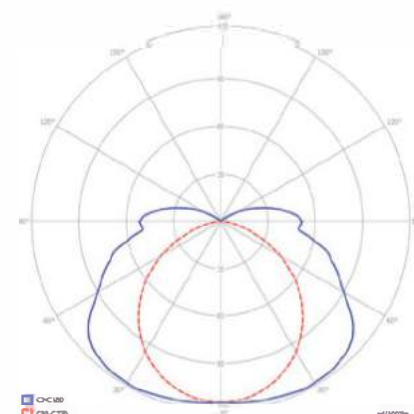
Ceiling or pendant installation

Brand ballast from BAG/PHILIPS/TRIDONIC

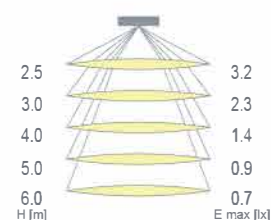
Temperature working range: 10°C – 50°C



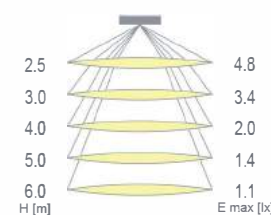
Tri PROOF 2x36



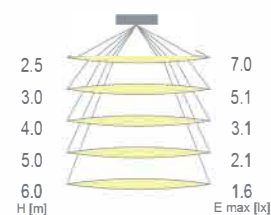
Tri PROOF 2x58



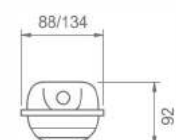
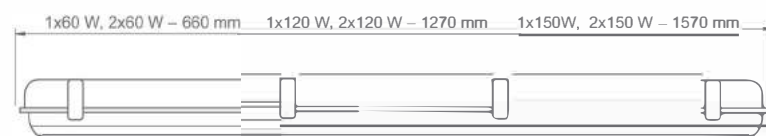
Tri PROOF 2x18



Tri PROOF 2x36



Tri PROOF 2x58



TRI



EMERGENCY LIGHTING FITTINGS

Model	Catalogue number	Function	Autonomy*	Dimensions (mm)	Weight (kg)
TRI PROOF 1x18 SA/A 2 h	99978	SA/A	2 h	660x92x88	1,80
TRI PROOF 2x18 SA/A 2 h	99975	SA/A	2 h	660x92x134	2,10
TRI PROOF 1x36 SA/A 2 h	99972	SA/A	2 h	1270x92x88	2,10
TRI PROOF 1x36 SA/A 3 h	99971	SA/A	3 h	1270x92x88	2,20
TRI PROOF 2x36 SA/A 2 h	99969	SA/A	2 h	1270x92x134	2,60
TRI PROOF 2x36 SA/A 3 h	99968	SA/A	3 h	1270x92x134	2,70
TRI PROOF 1x58 SA/A 2 h	99966	SA/A	2 h	1570x92x88	2,70
TRI PROOF 1x58 SA/A 3 h	99965	SA/A	3 h	1570x92x88	2,80
TRI PROOF 2x58 SA/A 2 h	99963	SA/A	2 h	1570x92x134	3,10
TRI PROOF 2x58 SA/A 3 h	99962	SA/A	3 h	1570x92x134	3,20

* 1 h autonomy time is available on request

STANDARD MODELS

Model	Catalogue number	Dimensions (mm)	Weight (kg)
TRI PROOF 1x18	99856	660x92x88	1,00
TRI PROOF 2x18	99876	660x92x134	1,20
TRI PROOF 1x36	99855	1270x92x88	1,50
TRI PROOF 2x36	99875	1270x92x134	2,00
TRI PROOF 1x58	99854	1570x92x88	2,00
TRI PROOF 2x58	99874	1570x92x134	2,50

SPACING TABLE FOR FLAT EVACUATION ROUTES

Tri PROOF 2x36

Installation height (m)				
2,5	3	8,3	6,7	2,5
3	3,1	8,7	7,0	2,5
4	2,7	9,0	7,2	2,2

Tri PROOF 2x58

Installation height (m)				
2,5	3,7	9,5	7,7	2,9
3	3,8	10,0	8,2	3,1
4	3,7	10,8	8,7	3,0

Herma

IP65 protection rating

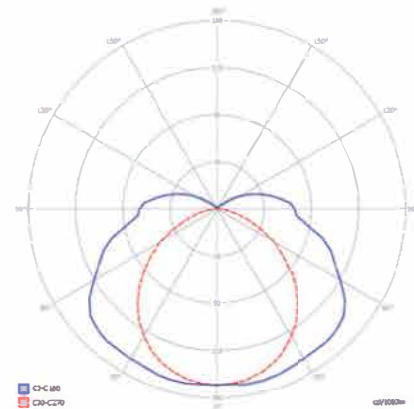
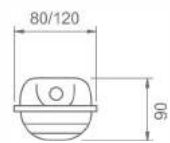
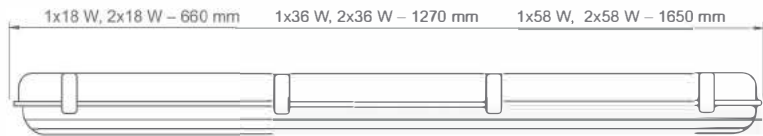
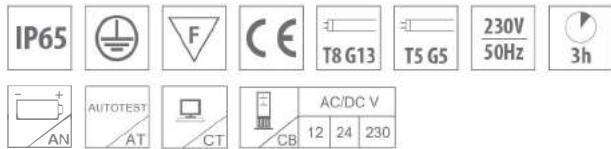
Applications: Areas with increased humidity and dust levels

Body and light cover made of PC

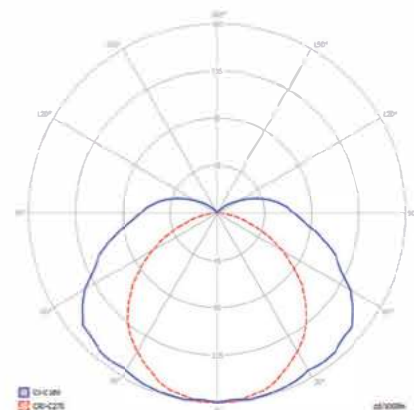
T8 LED tubes separately available

Temperature working range: 5°C - 40°C

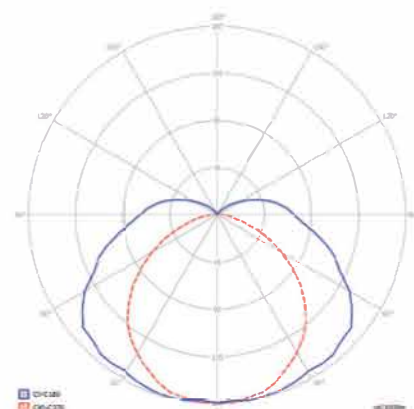
For illuminating evacuation routes and exits in public buildings



Herma 2x18



Herma 2x36



Herma 2x58



Model	Symbol	Function	Autonomy	Autotest	Central battery
HERMA 1x18 SA 3 h	AWH-118/AN/3	SA	3 h*	-	-
HERMA 1x18 SA 3 h AT	AWH-118/AT/3	SA	3 h*	✓	-
HERMA 1x18 CB	AWH-218/CB	-	-	-	✓
HERMA 2x18 SA 3 h	AWH-218/AN/3	SA	3 h*	-	-
HERMA 2x18 SA 3 h AT	AWH-218/AT/3	SA	3 h*	✓	-
HERMA 2x18 CB	AWH-218/CB	-	-	-	✓
HERMA 1x36 SA 3 h	AWH-136/AN/3	SA	3 h*	-	-
HERMA 1x36 SA 3 h AT	AWH-136/AT/3	SA	3 h*	✓	-
HERMA 1x36 CB	AWH-136/CB	-	-	-	✓
HERMA 2x36 SA 3 h	AWH-236/AN/3	SA	3 h*	-	-
HERMA 2x36 SA 3 h AT	AWH-236/AT/3	SA	3 h*	✓	-
HERMA 2x36 CB	AWH-236/CB	-	-	-	✓
HERMA 1x58 SA 3 h	AWH-158/AN/3	SA	3 h*	-	-
HERMA 1x58 SA 3 h AT	AWH-158/AT/3	SA	3 h*	✓	-
HERMA 1x58 CB	AWH-158/CB	-	-	-	✓
HERMA 2x58 SA 3 h	AWH-258/AN/3	SA	3 h*	-	-
HERMA 2x58 SA 3 h AT	AWH-258/AT/3	SA	3 h*	✓	-
HERMA 2x58 CB	AWH-258/CB	-	-	-	✓

* 1 h autonomy time is available on request

Tri Proof LED

IP65 protection rating

Body and Light cover made of PC

Power supply voltage: 230V , 50Hz or 220V DC

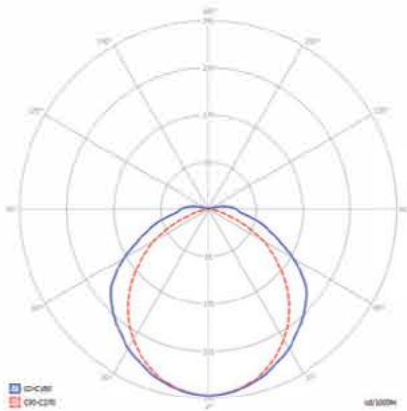
Wiring adapted for LED tubes

Ceiling or pendant installation

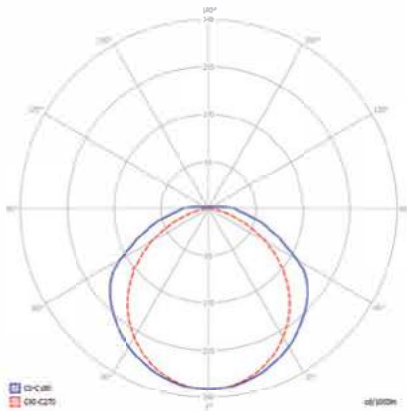
LED Tubes included only in emergency models

For illuminating industrial halls, warehouses, tunnels, basements, garages etc

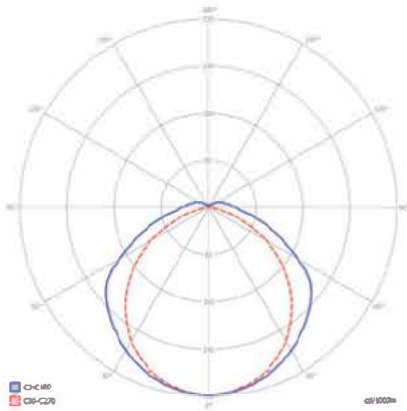
Temperature working range: 10°C – 50°C



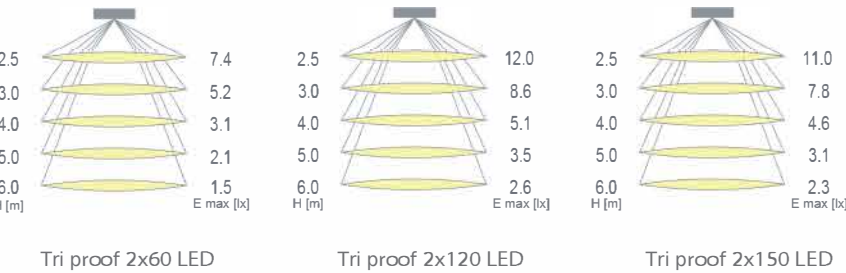
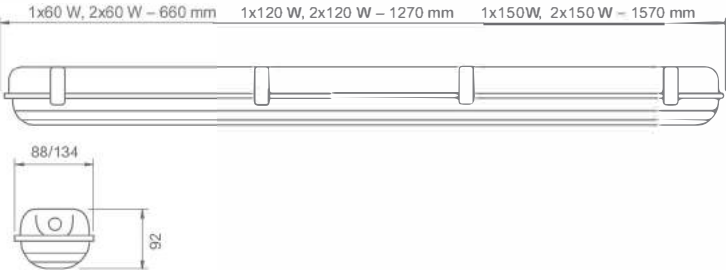
Tri proof 2x60 LED



Tri proof 2x120 LED



Tri proof 2x150 LED



EMERGENCY MODELS *

Model **	Catalogue number	Dimensions (mm)	Weight (kg)
Tri proof 1x60 LED 2 h SA/A 4000 K	98411	660x92x88	1,10
Tri proof 2x60 LED 2 h SA/A 4000 K	99341	660x92x134	1,55
Tri proof 1x120 LED 2 h SA/A 4000 K	98410	1270x92x88	1,85
Tri proof 2x120 LED 2 h SA/A 4000 K	99342	1270x92x134	2,80
Tri proof 1x150 LED 2 h SA/A 4000 K	98409	1570x92x88	2,30
Tri proof 2x150 LED 2 h SA/A 4000 K	99343	1570x92x134	3,35

* LED tubes included
 ** Versions with the 5000 K temperature are available on special request

STANDARD MODELS *

Model	Catalogue number	Dimensions (mm)	Weight (kg)
Tri proof 1x60 LED	99669	660x92x88	0,80
Tri proof 2x60 LED	99668	660x92x134	1,10
Tri proof 1x120 LED	99667	1270x92x88	1,45
Tri proof 2x120 LED	99666	1270x92x134	1,95
Tri proof 1x150 LED	99665	1570x92x88	1,80
Tri proof 2x150 LED	99664	1570x92x134	2,35

LED tubes separately available

SPACING TABLE FOR FLAT EVACUATION ROUTES

Tri proof 2X120 LED

Installation height (m)	1x60	2x60	1x120	2x120
2,5	4,1	10,2	9,0	3,5
3	4,2	11,0	9,7	3,8
4	4,6	12,1	10,8	4,0

Tri proof 2X150 LED

Installation height (m)	1x60	2x60	1x120	2x120
2,5	4,0	10,0	9,0	3,5
3	4,1	10,7	9,6	3,8
4	4,4	12,0	10,7	4,0

Tri Proof LED DeLuxe

IP65 protection rating

Body and light cover made of PC

Cover clips made of PC or INOX steel

Power supply voltage: 230V , 50Hz or 220V DC

Light source: LED panels

Three power versions: Lite, Standard, Strong

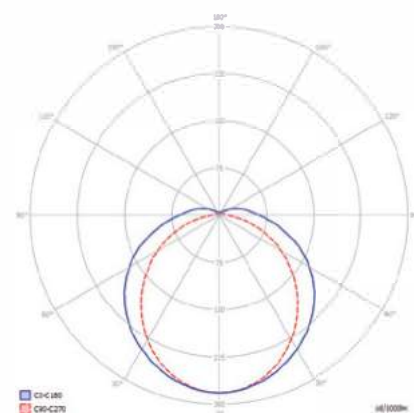
Basic LED driver: BAG

Available models: Standard or emergency lighting

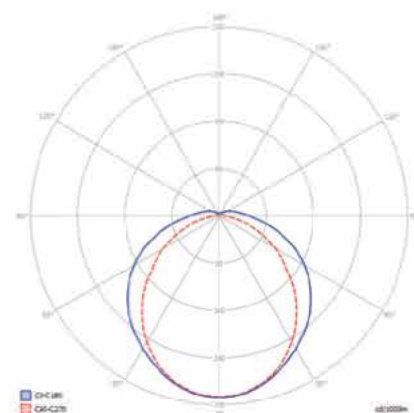
Other options: movement detectors, DALI system driver

Temperature working range: 10°C – 50°C

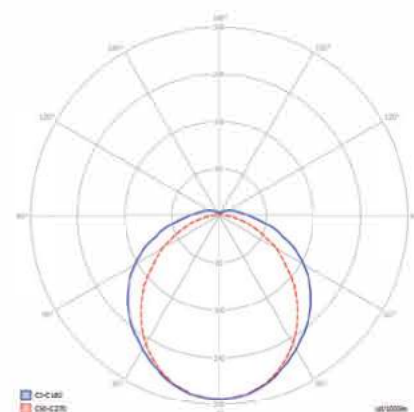
For illuminating industrial halls, warehouses, tunnels, basements, garages etc.



Tri proof LED DeLuxe 60 Standard



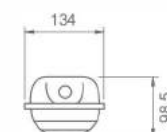
Tri proof LED DeLuxe 120 Standard



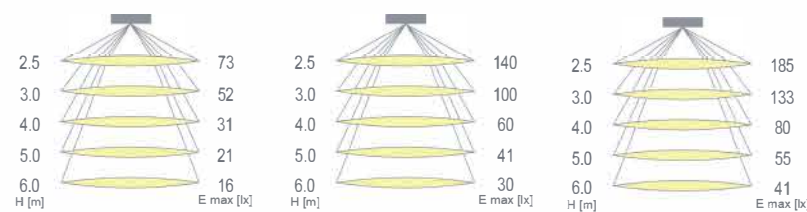
Tri proof LED DeLuxe 150 Standard



Tri proof LED DeLuxe



* GRP for Tri proof LED DeLuxe 60



Tri proof LED DeLuxe 60 Standard

Tri proof LED DeLuxe 120 Standard

Tri proof LED DeLuxe 150 Standard

Model	Catalogue number	Power	Luminous flux*	Colour temperature**	Weight (kg)
Tri proof LED DeLuxe 60 Lite	98193	11 W	1100 lm / 1050 lm	4000 K	1,80
Tri proof LED DeLuxe 60 Standard	98191	23 W	2400 lm / 2100 lm	4000 K	1,80
Tri proof LED DeLuxe 60 Strong	98189	24 W	3600 lm / 2900 lm	4000 K	1,80
Tri proof LED DeLuxe 120 Lite	98187	23 W	2400 lm / 2150 lm	4000 K	2,50
Tri proof LED DeLuxe 120 Standard	98185	41 W	4400 lm / 3850 lm	4000 K	2,50
Tri proof LED DeLuxe 120 Strong	98183	51 W	8100 lm / 6800 lm	4000 K	2,50
Tri proof LED DeLuxe 150 Lite	98181	28 W	3000 lm / 2750 lm	4000 K	3,10
Tri proof LED DeLuxe 150 Standard	98179	54 W	5800 lm / 5150 lm	4000 K	3,10
Tri proof LED DeLuxe 150 Strong	98177	67 W	10800 lm / 8850 lm	4000 K	3,10

* LED panel data without and with diffuser

** Other colour temperatures on request

Cosmic LED

The technology employed allows for very high energy savings compared to conventional LED sources while maintaining light quality.

Very high LED luminous efficiency

IP66 protection rating

Ceiling and wall mounted installation

Light cover and base made of polycarbonate

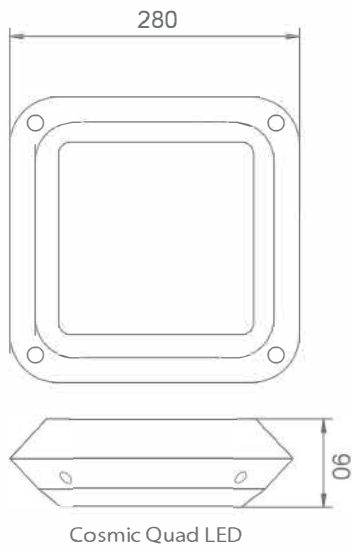
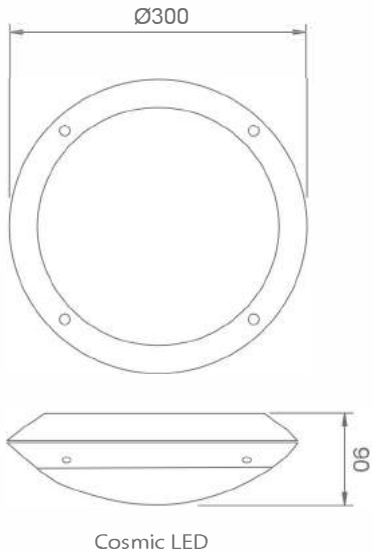
Power supply voltage: 230V , 50Hz

Light source: LED 9W, 12W or E27

Rated lifetime: 40,000 h

Applications: corridors, staircases, places with high humidity or outdoors

Temperature working range: 10°C - 50°C



SPACING TABLE FOR FLAT EVACUATION ROUTES

COSMIC 9W

Installation height (m)				
2,5	2,6	7,1	7,1	2,6
3	2,7	7,5	7,5	2,7
4	2,5	7,8	7,8	2,5

COSMIC QUAD

Installation height (m)				
2,5	2	5,8	5,8	2
3	1,8	5,9	5,9	1,8
4	1	5,6	5,6	1



Cosmic LED



Cosmic Quad LED

EMERGENCY MODELS WITH CNBOP CERTIFICATE

Model	Catalogue number	Luminous flux	Light source	Colour temperature**	Function	Autonomy	Weight (kg)
Cosmic LED 2 h SA	99877	890 lm	LED 9 W	5000 K	SA	2 h	1,3
Cosmic Quad LED 2 h SA	99860	730 lm	LED 9 W	5000 K	SA	2 h	1,3
Cosmic LED 2 h SA MD *	99372	890 lm	LED 9 W	5000 K	SA	2 h	1,4

* Model with movement sensor

** Other colour temperatures on request

STANDARD MODELS

Model	Catalogue number	Luminous flux	Light source	Colour temperature**	Weight (kg)
COSMIC LED 9 W	99863	890 lm	LED 9 W	5000 K	0,9
COSMIC QUAD LED 9 W	99859	730 lm	LED 9 W	5000 K	0,9
Cosmic LED MD*	99373	890 lm	LED 9 W	5000 K	1,1
Plafoniera Cosmic (E27)	40518	-	CFL (max 18 cm)	-	0,9

* Model with movement sensor

** Other colour temperatures on request

COSMIC LED 12 W

Model	Catalogue number	Power	Luminous flux	Light source	Colour temperature*	Weight (kg)
Cosmic LED 12 W	97848	14 W	1340 lm	LED 12 W	4000 K	0,9
Cosmic LED 12 W MD **	97847	16 W	1340 lm	LED 12 W	4000 K	1,1
Cosmic LED 12 W 2h SA	97761	14 W	1340 lm	LED 12 W	4000 K	1,1
Cosmic LED 12 W 2h SA MD **	98023	14 W	1340 lm	LED 12 W	4000 K	1,4
COSMIC QUAD LED 12 W	97735	14 W	1150 lm	LED 12 W	4000 K	0,9
COSMIC QUAD LED 12 W MD **	97733	14 W	1150 lm	LED 12 W	4000 K	1,1
COSMIC QUAD LED 12 W SA/A 2h	97731	14 W	1150 lm	LED 12 W	4000 K	1,1
COSMIC QUAD LED 12 W SA/A 2h MD **	97729	14 W	1150 lm	LED 12 W	4000 K	1,4

* Other colour temperatures on request

** Model with movement sensor on-off.

Milo LED

Latest series of plafonds equipped with LED light sources

The technology employed allows very high energy savings compared to the conventional LED sources while maintaining light quality

IP65 protection rating

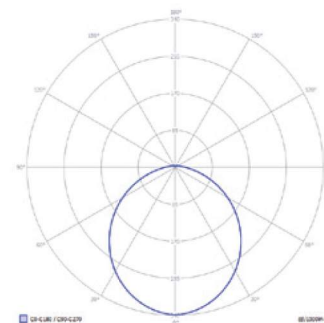
Base made of polycarbonate

Power supply voltage: 230V 50Hz

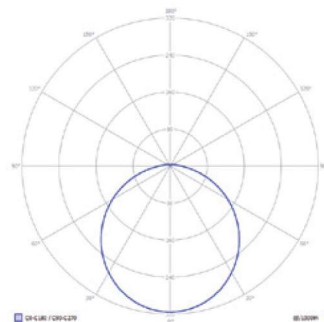
Light source: LED 13W / 17W / 20W

Rated lifetime: 40,000 h

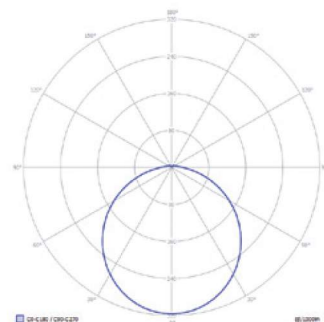
Temperature working range: 10°C – 50°C



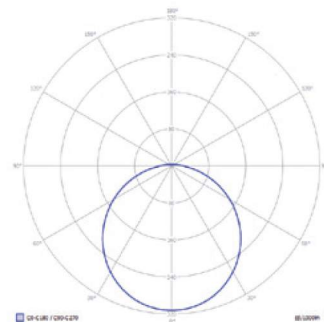
Milo S Led 15 W



Milo LED 15 W



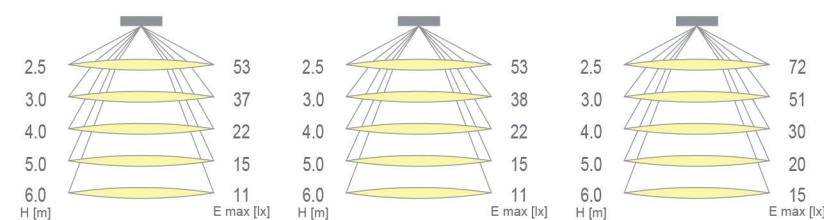
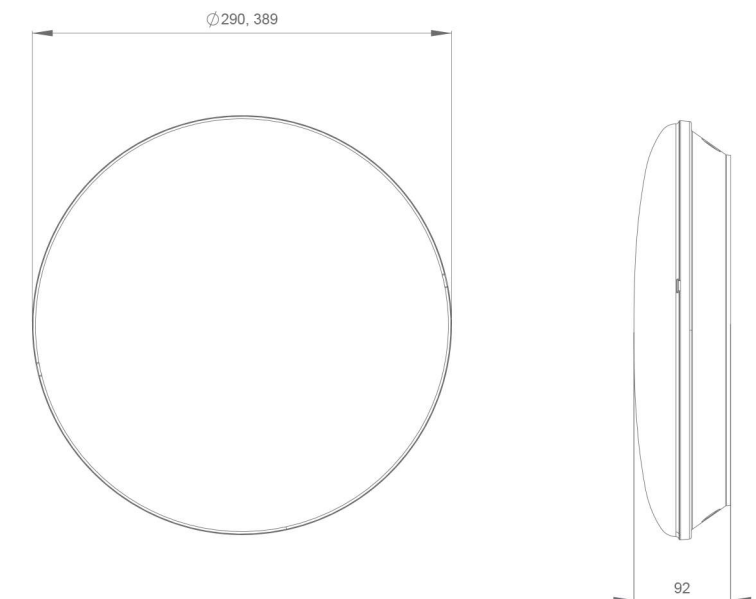
Milo LED 20 W



Milo LED 24 W Strong



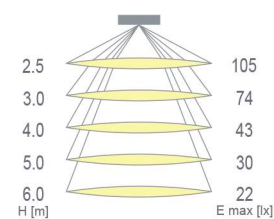
Milo LED



Milo S LED 15 W

Milo LED 15 W

Milo LED 20 W



Milo LED 24 W Strong

Model *	Catalogue number	Power	Light source	Luminous flux **	Colour temperature ***	Dimensions (mm)	Weight (kg)
Milo S LED 15 W	97976	15 W	LED 13 W	1700 lm / 1250 lm	3000 K	Ø 290	1,10
Milo LED 15 W	97974	15 W	LED 13 W	1700 lm / 1350 lm	3000 K	Ø 389	1,70
Milo LED 20 W	97972	20 W	LED 17 W	2300 lm / 1850 lm	3000 K	Ø 389	1,70
Milo LED Strong 24 W	97970	24 W	LED 20 W	3700 lm / 2700 lm	3000 K	Ø 389	1,70

* Options: Lights equipped with motion detector on-off or 0-10-100

** LED panel data without and with diffuser

*** Other colour temperatures on request

Carina

IP65 protection rating

Power supply voltage: 230V, 50H, 220V or 24V DC

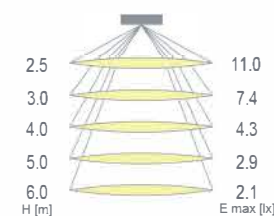
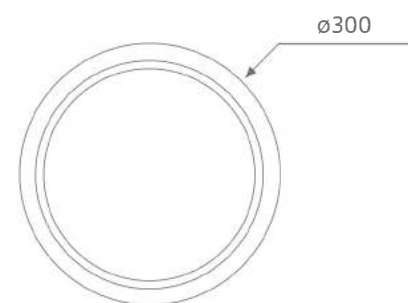
Functions: SA = maintained version

Ni-Cd or NI-MH HT batteries with the autonomy time 1h and 3 h

Ceiling or wall installation

For illumination of evacuation ways and exits, also for interiors, e.g. corridors and offices

Temperature working range: 5°C - 40°C



ILuma AWLN - R20



SPACING TABLE FOR FLAT EVACUATION ROUTES ILUMA AWLN - R20

Installation height (m)				
2,5	3,5	8,9	8,8	3,4
3	3,7	9,6	9,5	3,7
4	3,8	10,5	10,4	3,8



EMERGENCY MODELS

Model	Catalogue number	Light source	Function	Autonomy	detector (MD)	Installation	Dimensions (mm)
ILuma AWLN - R20	98628	15 W LED	SA	1 h	✓	ceiling	Ø 300 x 100
ILuma AWLN - R20	98738	15 W LED	SA	3 h	✓	ceiling	Ø 300 x 100

STANDARD MODEL

Model	Catalogue number	Light source	Installation	Dimensions (mm)
Carina AWLN - R20 15W	96952	15 W LED	ceiling	Ø 300 x 100
Carina AWLN - R20 15W MD	96953	15 W LED	ceiling	Ø 300 x 100

Fest Pro LED

POWER SUPPLY

Driver type: in-tube for 230V AC networks

Connection: 1-sided or 2-sided

Supply range: 85-265V AC/DC

Total power consumption: 10 W (602 mm), 20 W (1211 mm), 25 W (1512 mm)

Energy efficiency: class A

APPLICATIONS

For new installations: 1-sided or 2-sided power supply, according to the input voltage range

For existing installations with magnetic ballasts: 2-sided supply, with a removed starter, suggested to bypass of ballast

For existing installations with electronic ballasts: suggested to rewire for direct supply

TUBE CONSTRUCTION

Tube type: T8 (diameter 26 mm)

Tube base: G13

Material: aluminium profile, PMMA cover

Covers/diffusers: opal(MILKY), transparent(CLEAR), frosted(FROST)

Available lengths: 602 mm (replacement LFL 18 W), 1211 mm (replacement LFL 36 W) and 1512 mm (replacement LFL 58 W)



LIGHT CHARACTERISTIC

Light source: LED

Light power: 9 W (602 mm), 18 W (1211 mm) lub 22 W (1512 mm)

Available standard colour temperatures: 3000 K, 4000 K, 5000 K and 6500 K

Average luminous flux: 115 lm/W (for 4000 K, 5000 K i 6500 K) or 105 lm/W (for 3000 K)

Beam angle: 120°

Rated lifetime of LED diodes: 50000 h

FUNCTIONAL VERSIONS:

1-sided 230 V AC power supply, pins on the other side not connected. Applications: new installations

1-sided 230 V AC power supply, pins on the other side shorted. Applications: existing installations with magnetic ballasts

1-sided 230 V AC power supply, pins on the other side designed to connect a dedicated emergency module. Applications: emergency version for new installations

2-sided 230 V AC power supply, pins on each and shorted. Applications: existing installations with magnetic ballasts



Fest Pro LED



Fest Pro LED



EMERGENCY MODELS

Models in standard aluminium-pmma enclosure	Catalogue number	Light source	Colour temperature	Power supply type 1	Light cover type	Multi-pack (pcs)
FEST PRO T8 LED 9 W AE 4000 K	98899	LED 9 W	4000 K	inter.	milky	9
FEST PRO T8 LED 18 W AE 4000 K	99344	LED 18 W	4000 K	inter.	milky	9
FEST PRO T8 LED 22 W AE 4000 K	99364	LED 22 W	4000 K	inter.	milky	9
FEST PRO T8 LED 9 W AE 5000 K	99494	LED 9 W	5000 K	inter.	milky	9
FEST PRO T8 LED 18 W AE 5000 K	99495	LED 18 W	5000 K	inter.	milky	9
FEST PRO T8 LED 22 W AE 5000 K	99493	LED 22 W	5000 K	inter.		9



Primus LED

MODELS WITH IN-TUBE POWER SUPPLY

Models in standard aluminium-pmma enclosure	Catalogue number	Light source	Colour temperature	Power supply type 1	Light cover type	Multi-pack (pcs)
FEST PRO T8 LED 9 W 4000 K	99547	LED 9 W	4000 K	inter.	milky	9
FEST PRO T8 LED 18 W 4000 K	99541	LED 18 W	4000 K	inter.	milky	9
FEST PRO T8 LED 22 W 4000 K	99544	LED 22 W	4000 K	inter.	milky	9
FEST PRO T8 LED 9 W 5000 K	99683	LED 9 W	5000 K	inter.	milky	9
FEST PRO T8 LED 18 W 5000 K	99680	LED 18 W	5000 K	inter.	milky	9
FEST PRO T8 LED 22 W 5000 K	99677	LED 22 W	5000 K	inter.	milky	9

MODEL OF PRIMUS LED AC1S-XE DEDICATED FOR INTELIGHT LED TUBES FEST PRO LED AE

Model	Catalogue number	Autonomy*	Function	Battery pack	Weight (kg)
Primus LED AC1S-xE	99414	2 h	SA/A	3,6 V / 2,5 Ah	0,45

* 1 h and 3 h autonomy times are also available on request

CM

CENTRAL MONITORING

- Monitoring of up to 64 lamps
- Standardized transfer of data according to DIN/EN 62386-202
- Toggled operation modes for 4 groups of lamps
- Permanent control of charging and communication
- Recording of control protocol data and messages for up to 4 years
- Easy addressing enabled by a test push button on the light
- USB port for reading the memory of protocols and messages
- Timer for switching off the light during stand still
- Easy operation by means of pulse hand wheel
- Option: WEB-Interface for control through Internet



Internal enclosure dimensions	Material: (PBT VALOX) anthracite – suitable for distribution cabinets
Protection rating / grade	IP20/II / IP20 / II
Internal enclosure dimensions (HxBxT)	86x158x60 mm / 86x158x60 mm
External enclosure type	White plastic – suitable for surface-mount installation
Protection rating	IP40 / IP40
Protection class	II / II
External enclosure dimensions (HxWxD)	225x280x100 mm / 225x280x100 mm
Power supply	230 V AC (integrated power unit)
Current consumption	30 mA / 30 mA
Bus voltage	16 V / 16 V
Cable length	300 m / cross section: 1.5 mm²

ORDER CODES FOR ICM: (A)-(B)

(A) Enclosure and installation options	(B) Technical options
VE – For distribution cabinets W	USB – Including a USB interface for reading protocol memories
W – Wall-mount installation	– Including a USB interface for reading protocol memories and messages and a connection to a TCP-IP network for visualisation and remote operation
	TCP – Including a connection to a TCP-IP network for visualisation and remote operation (without a USB interface)

ACCESSORIES

- › Software for remote control and toggling
- › DLI address unit

CB
CENTRAL BATTERY

Decentralized power supply for emergency lighting, 230 V/200W

Easy maintenance

Selective monitoring of lights

For 2 x 20 emergency/evacuation lights and 4 x 20 lamps without an address unit and a toggle unit

Selective off -switching of lights

No requirements for special wiring and distribution cabinets

Central monitoring of emergency lighting

Combined operation of lights offering various functions and toggle modes in one circuit

Monitored temperature and power supply of the battery pack

Optional: highly efficient and modern battery pack



Power supply	230 V/50 Hz
Connection power	max. 60 VA (without power to operate in light phase)
Output voltage	230 V AC (maintained mode), 220 V DC (non-maintained mode)
Output power	200 W
Type of battery	Pb, closed
Option	LiFePo4 with electric monitoring
Enclosure	Sheet steel, powder coated
Protection rating	IP21
Protection class	I
Dimensions (HxWxD)	820x415x220 mm
Installation	Surface-mount
Option	F30 enclosure for fire danger zone, closable cover of control panel
Lead-in of wires	From the top
Temperature range	from + 5°C. to + 35°C (ambient temperature)

ORDER CODES FOR ICB: (A)-(B)-(C)

(a)Battery options	(b) Enclosure	(c) Technical options
0 – without a battery 50 – 50 Ah / 1 h 120 – 120 Ah / 3 h 40 – 40 Ah / 1 h 100 – 100 Ah / 3 h	W – Surface-mounted WB – Wall-mounted, control panel cover F30 – Enclosure for fire danger zone	USB – with a USB connector TCP – with a TCP-IP connector USB/TCP – with USB & TCP-IP connector

ACCESSORIES

ICP-IP interface

Closable panel cover

F30 fire enclosure (to the right)

F30 fire enclosure (to the left)

Tablet for remote operation

Address and toggle unit

Remote control and programming



Power supply



Adapted to the 230 V voltage



Central battery supply



Stand-alone supply



Stand-alone supply with autotest



Stand-alone supply with central autotest

Type of light source



T5 8W linear tube



T5 G5 linear tube



T5 G13 linear tube



Electroluminescent diode



Compact fluorescent

IP Ratings



Place of use



Indoors



Indoors and outdoors



Outdoors

Assembly options



Recessed installations



Surface installation



Pendant type installation

Digital addressable lighting interface



Electric shock protection class



First protection class



Second protection class

Installation on normally flammable surfaces



Marking of conformity with European Union directives



Emergency mode operating time



Visibility range



Degree of enclosure protection against mechanical damages



Enclosure with test function



Protection against excessive UV radiation



Version including ballast



Electronic ballast



Magnetic ballast

Output power



EXIT UP TO THE RIGHT



EXIT UP TO THE LEFT



EXIT DOWN TO THE RIGHT



EXIT DOWN TO THE LEFT



EXIT UP L



EXIT UP R



EXIT DOWN L



EXIT DOWN R



EXIT TO THE LEFT



EXIT TO THE RIGHT



EVACUATION EXIT



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