

INDUS

IP54 Plastic Luminaire



V1/V2

Type:	Surface-mounted fluorescent / LED luminaire with rounded profile.
Specification:	Opal PC IP54 diffuser with quick lock system. White thermoplastic body with steel reflector. Luminaire is plastic-wrapped and boxed individually.
Installation:	Designed to be fixed onto ceiling or walls of any type, including flammable surfaces.
Application:	Indoor. Ideal for common areas in hospitals, colleges and other similar institutions.

Name	Lamp (W) and holder	IP level	Overall dimensions (LxWxH), mm	Weight, kg	Total wattage, W
Indus 1E27 M23	max. 40W (E27)	IP54	Ø300x120	0,8	-
Indus 209 M24	2x9 (TC-S, G23)	IP54	Ø300x120	1,1	32
Indus 113 M25	1x13 (G24d-1)	IP54	Ø300x120	1,1	19
Indus 118 M26	1x18 (G24d-2)	IP54	Ø300x120	1,15	26
Indus 126 M27	1x26 (G24d-3)	IP54	Ø300x120	1,2	34
Indus 213 M28	2x13 (G24d-1)	IP54	Ø300x120	1,45	38
Indus 218 M29	2x18 (G24d-2)	IP54	Ø300x120	1,5	52
Indus 122 M30	1x22 (T9 C, G10Q)	IP54	Ø300x120	1,25	30
Indus 122 M31 HF	1x22 (T5 FC, 2Gx13)	IP54	Ø300x120	0,95	25
Indus 116 P95 HF	1x16 (GR10Q)	IP54	Ø300x120	0,95	17
Indus 128 P96 HF	1x28 (GR10Q)	IP54	Ø300x120	1	29

Name	Overall dimensions (LxWxH), mm	Lifetime	Luminaire output*, lm Ta=25°C	System power*, W	CRI (Ra)	CCT, K	Weight, kg
Indus LED1x1200 E203 T840	Ø300x120	50000	1173	14	80+	4000	1,00
Indus LED1x1500 E204 T840	Ø300x120	50000	1466	17	80+	4000	1,00

* Tolerance range for optical and electrical data: ±10 %

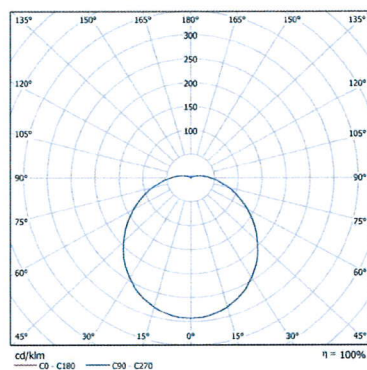
TECHNICAL DATA SHEET

NORTHCLIFFE
MAKING LIFE BRIGHTER

Options available on request:

- HF – High Frequency control gear
- DIM – Dimmable ballast / driver
- SDIM – Switch-control/dimming
- DALI – DALI ballast / driver
- EMG – Emergency version 1 hour
- EM3 – Emergency version 3 hours
- 5TB – 5 way terminal block for loop feed and ease of wiring
- NCP – Low Power Factor
- MW – MW sensor
- T830 – Colour temperature 3000K
- T840 – Colour temperature 4000K

INDUS LED1X1200 E203 T840





PRODUCT DATASHEET

FLOODLIGHT LED 50 W 4000 K BK

LEDVANCE FLOODLIGHT LED | LED floodlight luminaires



AREAS OF APPLICATION

- Replacement for floodlights with halogen lamps
- Car parks and underpasses
- Garages
- Public areas
- Building facades
- Construction areas

PRODUCT BENEFITS

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Optimized weight and size due to compact design
- Very homogenous light

PRODUCT FEATURES

- Luminaire efficacy: up to 100 lm/W
- Beam angle: 100°
- Type of protection: IP65



TECHNICAL DATA

Electrical data

Operating mode	Electronic control gear (ECG)
Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Power factor λ	>0.90

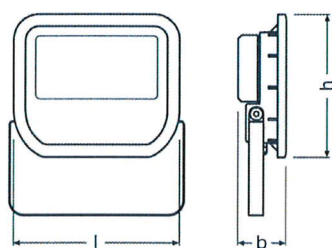
Photometrical data

Color temperature	4000 K
Luminous flux	5000 lm
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Luminous efficacy	100 lm/W
Standard deviation of color matching	≤ 5 sdc

Light technical data

Beam angle	100.00 °
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Dimensions & weight



Length	187.0 mm
Width	216.0 mm
Height	62.0 mm

Colors & materials

Body material	Polycarbonate (PC)
Housing color	Black
Product color	Black

Temperatures & operating conditions

Ambient temperature range	-20...50 °C
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Lifespan

Lifespan L70 at 25 °C	50000 h
Lifespan L80 at 25 °C	30000 h
Lifespan L90 at 25 °C	15000 h
Number of switching cycles	30000

Additional product data

Mounting location	Wall / Floor
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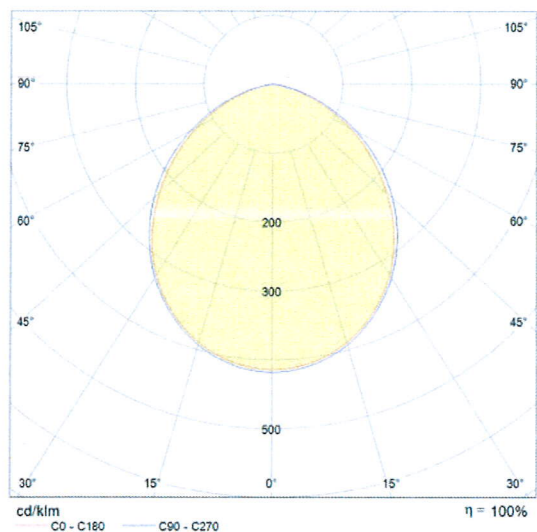
Capabilities

Dimmable	No
Type of connection	Cable, 3-pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class	I
Type of protection	IP65
Standards	CE/CB/TÜV SÜD/EAC/RoHS
Protection class IK (shock resistance)	IK07
Photobiological safety group	RG 0

Light Distribution



LDC typ polar

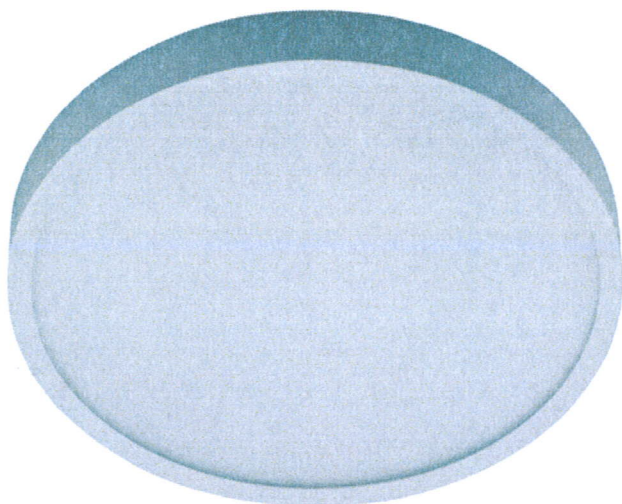
LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075810990	FLOODLIGHT LED 50 W 4000 K BK	Shipping carton box 10	482 mm x 348 mm x 232 mm	38.91 dm ³	14.21 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

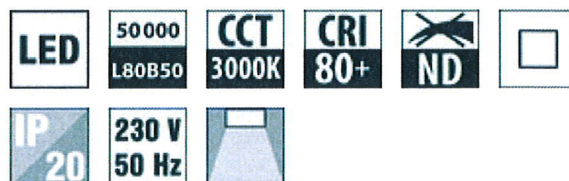
Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.



**Light fitting SPMP, surfaced, 2x48 LED,
3000 K, opal PMMA cover, 370mm, 700mA**

Code: SPMP3KO370V2/700ND

EAN: 8596099008239



Luminaire properties

Product category:	Downlight	Material housing:	Steel
Color housing:	White	Degree of protection (IP):	IP20
Mounting method:	Surface mounting		

Light source

Lamp type:	LED	Rated life time L80/B50 (h):	50000
Suitable for number of lamps:	1	Lamp power (W):	28
Effective luminous flux (lm):	2600	Color temperature (K):	3000
Color rendering index CRI:	80-89	With lamp:	Yes

Electrical properties

Dimmable:	No	Type of dimming:	Not dimmable
Type of control gear:	Electronic transformer	Protection class:	II
Nominal voltage (V):	220...240	Control gear included:	Yes
Emergency light:	Not equipped		

Optical system

Optical system:	KO	Light sharing:	Symmetric
Color cover:	White	Light outlet:	Direct
Material cover:	Plastic, structured/prismatic		

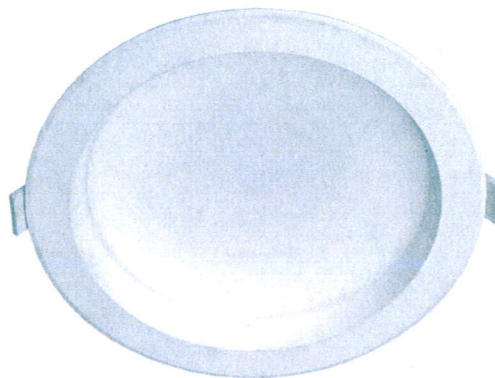
Dimensions

Outer diameter (mm):	370	Height/depth (mm):	40
Weight (kg):	2		
Type of surface:	Matt		

P2

ANDROMEDA P LED

IP44 Budget Range Recessed LED Downlights with Opal Diffuser



Type:	Budget range recessed LED downlights with opal diffuser.
Specification:	Opal diffuser with IP44 protection rating. Aluminium body in white finish. Tool free spring clip installation. Luminaire is plastic-wrapped and boxed individually.
Installation:	Suitable for plasterboard or similar types of ceiling, requires a cut-out.
Application:	Indoor. Decorative lighting for shops, displays, interiors, offices, receptions and other public areas.

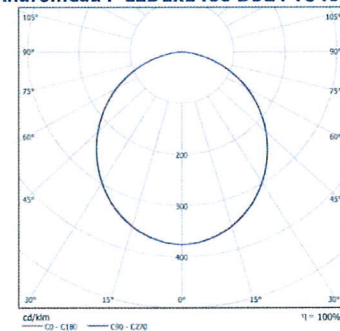
Name	Overall dimensions (cut-out), mm	Lifetime	Luminaire output*, lm Ta=25°C	System power*, W	CRI (Ra)	CCT, K	Weight, kg
Andromeda P LED1x700 D522 T830 OP	Ø92(75)x64	40000	660	7	80+	3000	0,11
Andromeda P LED1x1000 D523 T830 OP	Ø113(95)x73	40000	930	10	80+	3000	0,16
Andromeda P LED1x1400 D524 T830 OP	Ø174(150)x79	40000	1330	14	80+	3000	0,28
Andromeda P LED1x2100 D525 T830 OP	Ø244(200)x95	40000	1960	20	80+	3000	0,53
Andromeda P LED1x700 D522 T840 OP	Ø92(75)x64	40000	700	7	80+	4000	0,11
Andromeda P LED1x1000 D523 T840 OP	Ø113(95)x73	40000	980	10	80+	4000	0,16
Andromeda P LED1x1400 D524 T840 OP	Ø174(150)x79	40000	1400	14	80+	4000	0,28
Andromeda P LED1x2100 D525 T840 OP	Ø244(200)x95	40000	2060	20	80+	4000	0,53

* Tolerance range for optical and electrical data: ±10 %

Options available on request:

OP-	Opal diffuser
T830-	Colour temperature 3000K
T840-	Colour temperature 4000K

Andromeda P LED1x1400 D524 T840 OP





LED SMD

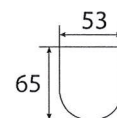
IP44

ROLSO LED

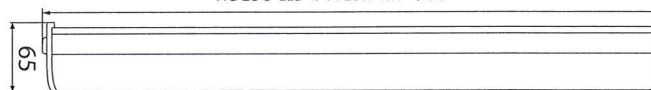


Wandleuchte
Wall-mounted fixture
Applique

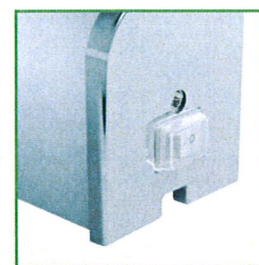
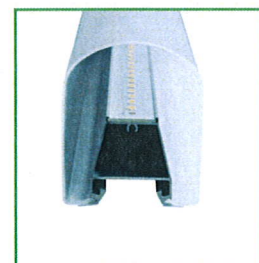
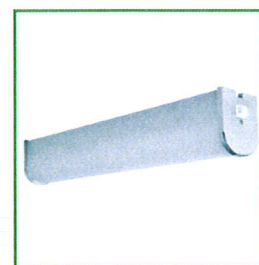
pos 3/5



ROLSO LED IP44 15W-NW - 600
ROLSO LED IP44 20W-NW - 900



ROLSO LED



220-240V ~
50/60Hz



≥15000

Tc [K]
≤ 4000
Ex Max Adam

(mm²)
2 x 0,75-1,5

η [%]
5±30

(h)
25000

(m)
0,1



EAC

CE

Kanlux



ROLSO LED IP44 15W-NW	26700	15	1080
ROLSO LED IP44 20W-NW	26701	20	1440



DE
chrom

Gehäuse: Aluminium / Schutzscheibe: Kunststoff

EN
chrome

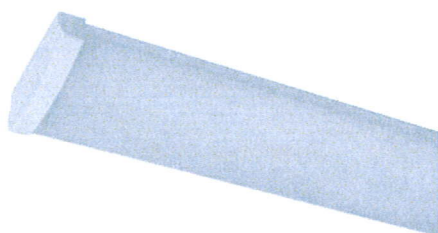
housing: aluminium / shield: plastic

FR
chrome

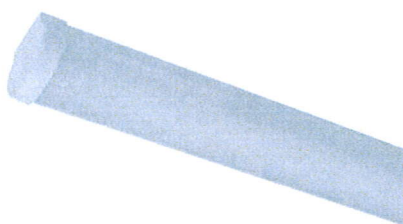
boîtier: aluminium / vitre de protection: plastique

CARINA

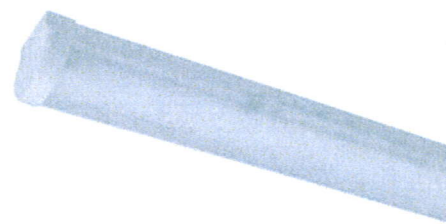
Surface Mounted Plastic Luminaire



CARINA 228 O56 OP

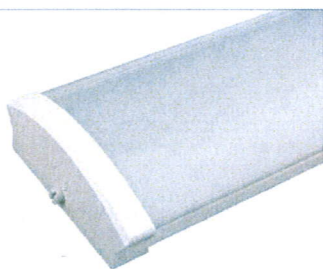


CARINA 128 O55 OP



CARINA 128 O55 PRZ

Type:	A range of surface luminaires with low modern profile.
Specification:	Prismatic or opalised diffusers made of UV stabilized polycarbonate. Gear tray in steel in white finish. Luminaire is plastic-wrapped and boxed individually.
Installation:	Surface luminaire designed to be fixed to ceiling of any type.
Application:	Indoor. Ideal for common areas in hospitals, colleges and other similar institutions.



End cap can be fixed with screw-lock for maximum protection. See option list (SCREW).

Name	Lamp (W) and holder	Overall dimensions (LxWxH), mm	Weight, kg	Total wattage, W
Carina 114 O51 PRZ	1x14 (G5)	595x90x85	0,9	16
Carina 214 O52 PRZ	2x14 (G5)	595x150x60	1,3	31
Carina 124 O53 PRZ	1x24 (G5)	595x90x85	0,9	25
Carina 224 O54 PRZ	2x24 (G5)	595x150x60	1,3	49
Carina 128 O55 PRZ	1x28(G5)	1195x90x85	1,7	30
Carina 228 O56 PRZ	2x28 (G5)	1195x150x60	2,4	60
Carina 154 O57 PRZ	1x54(G5)	1195x90x85	1,7	58
Carina 254 O58 PRZ	2x54 (G5)	1195x150x60	2,4	116
Carina 135 O59 PRZ	1x35 (G5)	1495x90x85	2	38
Carina 235 O60 PRZ	2x35 (G5)	1495x150x60	2,8	76
Carina 149 O61 PRZ	1x49(G5)	1495x90x85	2	53
Carina 249 O62 PRZ	2x49 (G5)	1495x150x60	2,8	105
Carina 180 O73 PRZ	1x80 (G5)	1495x90x85	2,1	85

Name	Lamp (W) and holder	Overall dimensions (LxWxH), mm	Weight, kg	Total wattage, W
Carina 114 O51 OP	1x14 (G5)	595x90x85	0,9	16
Carina 214 O52 OP	2x14 (G5)	595x150x60	1,3	31
Carina 124 O53 OP	1x24 (G5)	595x90x85	0,9	25
Carina 224 O54 OP	2x24 (G5)	595x150x60	1,3	49
Carina 128 O55 OP	1x28 (G5)	1195x90x85	1,7	30
Carina 228 O56 OP	2x28 (G5)	1195x150x60	2,4	60
Carina 154 O57 OP	1x54 (G5)	1195x90x85	1,7	58
Carina 254 O58 OP	2x54 (G5)	1195x150x60	2,4	116
Carina 135 O59 OP	1x35 (G5)	1495x90x85	2	38
Carina 235 O60 OP	2x35 (G5)	1495x150x60	2,8	76
Carina 149 O61 OP	1x49 (G5)	1495x90x85	2	53
Carina 249 O62 OP	2x49 (G5)	1495x150x60	2,8	105
Carina 180 O73 OP	1x80 (G5)	1495x90x85	2,1	85

Name	Overall dimensions (LxWxH), mm	Lifetime	Luminaire output*, lm Ta=25°C	System power*, W	CRI (Ra)	CCT, K	Weight, kg
Carina LED1x1200 E237 T840 OP	595x90x85	50000	1155	11	80+	4000	1,20
Carina LED1x1700 E238 T840 OP	595x90x85	50000	1622	15	80+	4000	1,20
Carina LED2x1200 E240 T840 OP	595x150x60	50000	2310	21	80+	4000	1,80
Carina LED2x1700 E241 T840 OP	595x150x60	50000	3243	29	80+	4000	1,80
Carina LED1x2500 E243 T840 OP	1195x90x85	50000	2438	22	80+	4000	2,00
Carina LED1x3500 E244 T840 OP	1195x90x85	50000	3423	30	80+	4000	2,00
Carina LED2x2500 E246 T840 OP	1195x150x60	50000	4877	41	80+	4000	2,80
Carina LED2x3500 E247 T840 OP	1195x150x60	50000	6846	61	80+	4000	2,80
Carina LED1x3100 E249 T840 OP	1495x90x85	50000	3080	28	80+	4000	2,60
Carina LED1x4400 E250 T840 OP	1495x90x85	50000	4324	38	80+	4000	2,60
Carina LED2x3100 E252 T840 OP	1495x150x60	50000	6160	52	80+	4000	3,60
Carina LED2x4400 E253 T840 OP	1495x150x60	50000	8648	77	80+	4000	3,60

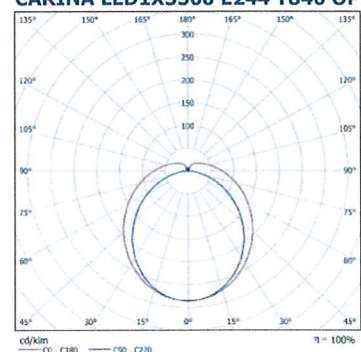
Carina LED1x1200 E237 T840 OP LT70	595x90x85	50000	1011	11	80+	4000	1,20
Carina LED1x1700 E238 T840 OP LT70	595x90x85	50000	1419	15	80+	4000	1,20
Carina LED2x1200 E240 T840 OP LT70	595x150x60	50000	2022	21	80+	4000	1,80
Carina LED2x1700 E241 T840 OP LT70	595x150x60	50000	2838	29	80+	4000	1,80
Carina LED1x2500 E243 T840 OP LT70	1195x90x85	50000	2134	22	80+	4000	2,00
Carina LED1x3500 E244 T840 OP LT70	1195x90x85	50000	2995	30	80+	4000	2,00
Carina LED2x2500 E246 T840 OP LT70	1195x150x60	50000	4267	41	80+	4000	2,80
Carina LED2x3500 E247 T840 OP LT70	1195x150x60	50000	5991	61	80+	4000	2,80
Carina LED1x3100 E249 T840 OP LT70	1495x90x85	50000	2695	28	80+	4000	2,60
Carina LED1x4400 E250 T840 OP LT70	1495x90x85	50000	3784	38	80+	4000	2,60
Carina LED2x3100 E252 T840 OP LT70	1495x150x60	50000	5390	52	80+	4000	3,60
Carina LED2x4400 E253 T840 OP LT70	1495x150x60	50000	7567	77	80+	4000	3,60

* Tolerance range for optical and electrical data: $\pm 10\%$

Options available on request:

- DIM- Dimmable ballast / driver
- SDIM- Switch-control/dimming
- DALI- DALI ballast / driver
- EMG- Emergency version 1 hour
- EM3- Emergency version 3 hours
- 5TB- 5 way terminal block for loop feed and ease of wiring
- OP- Opalised diffuser
- OP LT70- Opal diffuser with 70% light transmission
- PRZ- Prismatic diffuser
- SPORT- White painted protective grid
- IP44- IP44 protection degree
- SCREW- End cap fixed with screw-lock
- T830- Colour temperature 3000K
- T840- Colour temperature 4000K

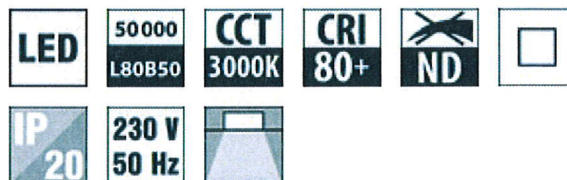
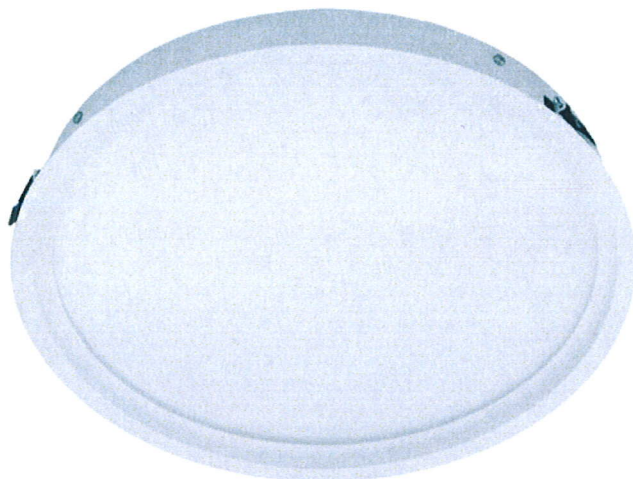
CARINA LED1X3500 E244 T840 OP



Light fitting SPMN, recessed, 96 LED, 3000 K, nanoprismatic PMMA cover, 370mm, 900mA

Code: SPMN3KN370V2/900ND

EAN: 8596099023362



Luminaire properties

Product category:	Downlight	Material housing:	Steel
Color housing:	White	Degree of protection (IP):	IP20
Mounting method:	Built-in		

Light source

Lamp type:	LED	Rated life time L80/B50 (h):	50000
Suitable for number of lamps:	1	Lamp power (W):	36
Effective luminous flux (lm):	3600	Color temperature (K):	3000
Color rendering index CRI:	80-89	With lamp:	Yes

Electical properties

Dimmable:	No	Type of dimming:	Not dimmable
Type of control gear:	Electronic transformer	Protection class:	II
Nominal voltage (V):	220...240	Control gear included:	Yes
Emergency light:	Not equipped		

Optical system

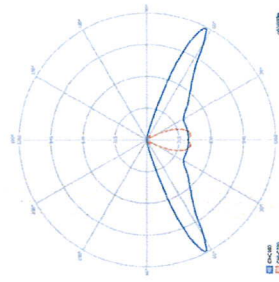
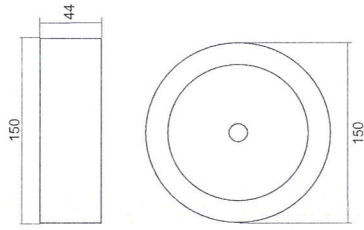
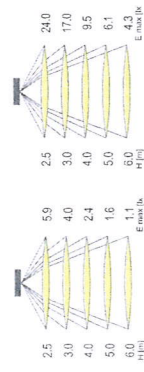
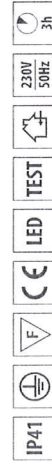
Optical system:	KN	Light sharing:	Symmetric
Color cover:	White	Light outlet:	Direct
Material cover:	Plastic, structured/prismatic		

Dimensions

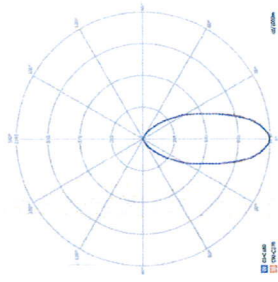
Outer diameter (mm):	390	Built-in depth (mm):	58
Built-in diameter (mm):	370	Weight (kg):	2
Type of surface:	Matt		

Starlet External

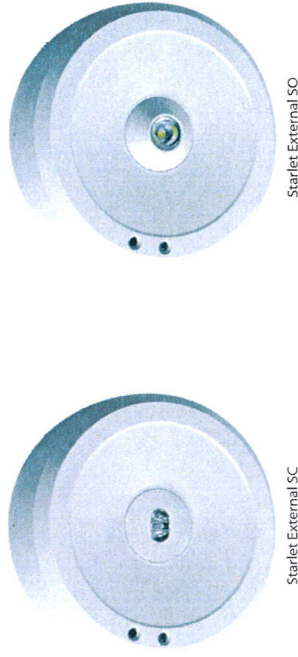
- Stopień ochrony IP41 / IP41, protection rating
- Obudowa z wysokiej jakości poliwęglanu / High-quality polycarbonate enclosure
- Dostępne kolory: biały / Available colours: white
- Napięcie zasilania: 230 V 50 Hz / Power supply voltage: 230 V 50 Hz
- Źródło światła: diody LED 3 W / Light source: 3 W LED diodes
- Typ soczewki: do dróg ewakuacyjnych lub do stref otwartych, zależnie od wersji / Type of lens: for evacuation routes or open zones, depending on the version
- Funkcja: A – awaryjna / Function: A – non-maintained version
- Akumulatory Ni-Cd HT z czasem autonomii 3 h; ładowanie: 24 h / Ni-Cd HT batteries with the autonomy time of 3 h, charging: 24 h
- Test ręczny / Manual test
- Montaż sufitowy natynkowy / Ceiling surface-mount installation
- Do oświetlania dróg i wyjść ewakuacyjnych w budynkach użyteczności publicznej / For illuminating evacuation routes and exits in public, utility buildings
- Typowe miejsca: korytarze, klatki schodowe, strefy otwarte / Typical places: corridors, staircases, open zones
- Zakres temperatury pracy: ta 10°C ÷ 55°C / Temperature working range: ta 10°C ÷ 55°C



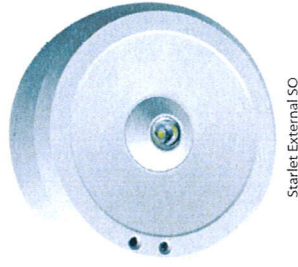
Starlet External SC



Starlet External SO



Starlet External SC



Starlet External SO

Model / Model	Numer katalogowy / Catalogue number	Źródło światła / Light source	Typ soczewki / Type of lens	Funkcja / Function	Autonomia / Autonomy	Waga (kg) / Weight (kg)
STARLET EXTERNAL SC 3 W 3 h A	99904	LED 3 W	korytarzowa / corridor type	A*	3 h	0.5
STARLET EXTERNAL SO 3 W 3 h A	99898	LED 3 W	strefy otwarte / open zones	A*	3 h	0.5

* A – awaryjna / A – non-maintained version

TABELE ODSTĘPÓW DLA PŁASKICH DRÓG EWAKUACYJNYCH / SPACING TABLE FOR FLAT EVACUATION ROUTES

STARLET EXTERNAL SC 3 W

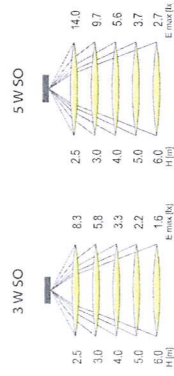
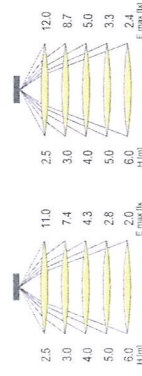
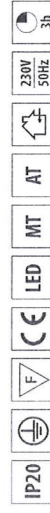
Wysokość montażu (m) / Installation height (m)	2.5	3	4
5.3	12.9	3.1	1.3
5.8	14.3	3.5	1.5
4	15.6	4.2	1.6

STARLET EXTERNAL SO 3 W

Wysokość montażu (m) / Installation height (m)	2.5	3	4
2.5	6.3	6.4	2.5
2.8	6.9	6.9	2.8
3.1	7.9	7.9	3.1

Starlet White

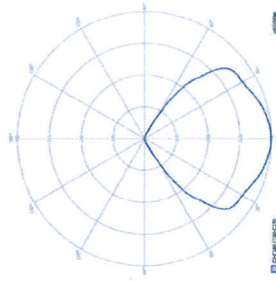
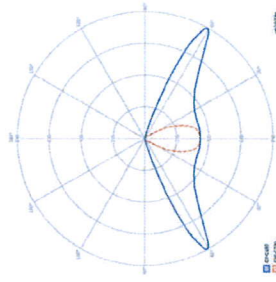
- Stopień ochrony IP20 / IP 20 protection rating
- Obudowa z aluminium / Aluminium enclosure
- Napięcie zasilania: 230 V 50 Hz / Power supply voltage: 230 V 50 Hz
- Źródło światła: LED 3 W lub 5 W / Light source: LED 3 W or 5 W
- Funkcje: A – awaryjna, SA – sieciowo-awaryjna / Functions: A – non-maintained version or SA – maintained version
- Soczewka: SC – korytarzowa lub SO – do stref otwartych / SC – corridors or SO – open zones
- Test ręczny lub autotest / Manual test or autotest
- Akumulatory Ni-Cd/HT z czasem autonomii 3 h / Ni-Cd/HT batteries with the autonomy time 3 h
- Montaż w sufitach podwieszanych / Installation in suspended ceilings
- Do oświetlania dróg i wyjść ewakuacyjnych w budynkach użyteczności publicznej / For illuminating evacuation directions and designating evacuation exits in public utility buildings
- Zakres temperatury pracy: ta 10°C ÷ 55°C / Temperature working range: ta 10°C ÷ 55°C



Obudowa Elektroniczna / Electronics housing
wszystkie wersje / all versions

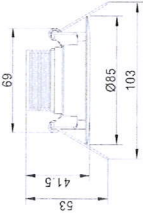


Akumulator / Battery pack
wszystkie wersje / all versions

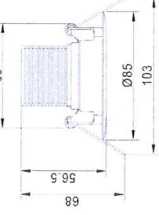


Starlet White SO

Starlet White SC



wersja 3W / version 3W



wersja 5W / versions 5W



Model / Model	Numer katalogowy / Catalogue number	Źródło światła / Light source	Typ soczewki / Type of lens	Funkcja / Function	Autonomia / Autonomy	Test / Test	Waga (kg) / Weight (kg)
Starlet White LED SO 3 W 3 h SA MT	99016	LED 3 W	SO*	SA**	3 h	Ręczny / Manual	0,75
Starlet White LED SO 3 W 3 h SA MT	99015	LED 5 W	SO*	SA**	3 h	Ręczny / Manual	0,80
Starlet White LED SO 5 W 3 h AT	99014	LED 5 W	SO*	A**	3 h	Autotest / Autotest	0,80
Soczewka SC (korytarzowa) / SC Lens (corridor type)	99013	-	SC	-	-	-	0,01

* Dostępna standardowo z soczewką SO do stref otwartych. Soczewka SC dostępna jako osobny akcesorium / Supplied as standard with a lens SO (open zones). Lens SC (corridor type) is a cable as a separate accessory.
** Możliwość obsługi jako A – awaryjna lub SA – sieciowo-awaryjna / Availability of wiring as: A – non-maintained version or SA – maintained version

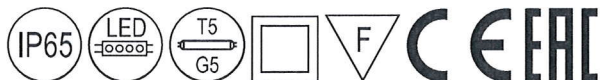
TABELA ODSTĘPÓW DLA PŁASKICH DRÓG EWAKUACYJNYCH / SPACING TABLE FOR FLAT EVACUATION ROUTES

STARLET WHITE 5 W SO				STARLET WHITE 5W SC			
Wysokość montażu (m) / Installation height (m)	H	H	H	Wysokość montażu (m) / Installation height (m)	H	H	H
2,5	3,4	7,9	3,4	2,5	5,9	13,3	4,3
3	3,6	8,9	3,8	3	6,7	15,1	4,5
4	4,1	10,6	4,1	4	7,5	18,3	5,2

LIBRA

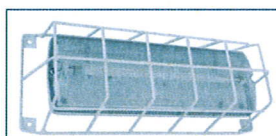
T5/LED

T5/LED IP65 Emergency
Exit Sign



LIBRA 3PLED B234 OP

- Type:** A range of IP65 Emergency luminaires for both mains and emergency operations. Three-hour standby operation with a recharge time of 24 hours.
Ambient temperature: 0°C to +40°C.
Recognition distance 20 m.
- Specification:** Transparent polycarbonate IP65 diffuser for T5, opal for LED.
White polycarbonate body with LED status indicator. High-temperature nickel-cadmium batteries.
Luminaire is plastic-wrapped and boxed individually.
- Installation:** Designed to be fixed onto ceiling or walls of any type, including flammable surfaces.
- Application:** For informational purposes when electricity supply fails. Suitable for escape routes and open areas.



SPORT version is equipped with a special white painted steel protective grid for sport halls and others areas, where a high degree of protection is required. See option list.

*Supplied with legend kit ("Exit", "Left" and "Right")

Name	Lamp (W) and holder	Operating time, hours	IP level	Illumination modes	Overall dimensions (LxWxH), mm	Weight, kg
LIBRA 3H18 G11	1x8 (T5, G5)	3	IP65	Non-maintained	350x120x75	1,35
LIBRA 3P18 G12	1x8 (T5, G5)	3	IP65	Maintained	350x120x75	1,35

Name	Lamp (W) and holder	Operating time, hours	IP level	Illumination modes	Overall dimensions (LxWxH), mm	Weight, kg
LIBRA 3HLED B231 OP	1.2 LED	3	IP65	Non-maintained	350x110x60	1,35
LIBRA 3PLED B234 OP	1.2 LED	3	IP65	Maintained	350x110x60	1,35

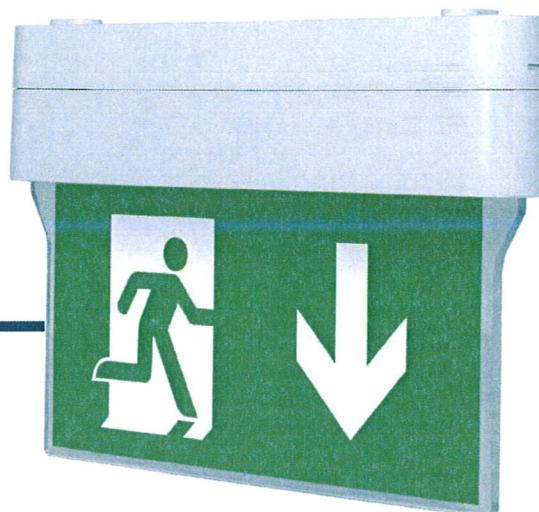
Options available on request:

- SPORT – protective grid
TEST – test button
CLR – clear diffuser (for LED version)

NASHI

LED Emergency Exit Sign


CE EAC

Nashi R 3PLED C439


Type: Surface mounted or recessed double-sided exit sign for both mains and emergency operations. One or three-hour standby operation with a recharge time of 24 hours.
 Ambient temperature: 0°C to +40°C.
 Recognition distance 25 m.

Specification: PMMA clear diffuser.
 White polycarbonate body with LED status indicator. High-temperature nickel-cadmium batteries.
 Luminaire is plastic-wrapped and boxed individually.

Installation: Designed to be fixed onto ceiling of any type, including flammable surfaces, or recessed.

Application: For informational purposes when electricity supply fails. Suitable for escape routes and open areas.

*Supplied with legend kit ("Exit", "Left" and "Right")

Name	Lamp type	Operating time, hours	IP level	Illumination modes	Overall dimensions (LxWxH), mm	Weight, kg
Nashi S 1HLED C431	1W LED	1	IP44	Non-maintained	299x43x206	1,00
Nashi S 3HLED C432	1W LED	3	IP44	Non-maintained	299x43x206	1,20
Nashi S 1PLED C433	1W LED	1	IP44	Maintained	299x43x206	1,15
Nashi S 3PLED C434	1W LED	3	IP44	Maintained	299x43x206	1,20
Nashi S CEBLED C435	1W LED	x	IP44	Central battery	299x43x206	1,00
Nashi R 1HLED C436	1W LED	1	IP44	Non-maintained	328x62x206	1,00
Nashi R 3HLED C437	1W LED	3	IP44	Non-maintained	328x62x206	1,20
Nashi R 1PLED C438	1W LED	1	IP44	Maintained	328x62x206	1,15
Nashi R 3PLED C439	1W LED	3	IP44	Maintained	328x62x206	1,20
Nashi R CEBLED C440	1W LED	x	IP44	Central battery	328x62x206	1,00

Options available on request:

AUT	- The fitting is equipped with an autonomous testing system	CLV	- Fitting to low voltage central battery system CEBLV
CEB	- The fitting is equipped with electronic AC/DC ballast compatible with any central battery system	EMS	- The emergency monitoring system

TRE Piko jad

PAVO P LED

IP44 Surface-mounted LED Luminaire with Opal Diffuser



Type: Wall and ceiling surface-mounted LED luminaire with opal IP44 diffuser and rounded profile.

Specification: Opal PMMA diffuser with IP44 protection rating.
White steel body with quick fix lock.
Luminaire is plastic-wrapped and boxed individually.

Installation: Designed to be fixed onto ceiling or walls of any type, including flammable surfaces.

Application: Indoor. Ideal for common areas in hospitals, colleges and other similar institutions.

Name	Overall dimensions (LxWxH), mm	Lifetime	Luminaire output*, lm Ta=25°C	System power*, W	CRI (Ra)	CCT, K	Weight, kg
Pavo P LED1x1100 D515 T830	Ø280x95	40000	1020	12	80+	3000	0,46
Pavo P LED1x1600 D516 T830	Ø360x105	40000	1620	18	80+	3000	0,69
Pavo P LED1x2000 D517 T830	Ø410x115	40000	2090	22	80+	3000	0,90
Pavo P LED1x3000 D518 T830	Ø410x115	40000	3090	32	80+	3000	0,90
Pavo P LED1x1100 D515 T840	Ø280x95	40000	1080	12	80+	4000	0,46
Pavo P LED1x1600 D516 T840	Ø360x105	40000	1700	18	80+	4000	0,69
Pavo P LED1x2000 D517 T840	Ø410x115	40000	2200	22	80+	4000	0,90
Pavo P LED1x3000 D518 T840	Ø410x115	40000	3200	32	80+	4000	0,90
Pavo P LED1x1100 D515 T830 EM3	Ø280x95	40000	1020	12	80+	3000	0,60
Pavo P LED1x1600 D516 T830 EM3	Ø360x105	40000	1620	18	80+	3000	0,84
Pavo P LED1x1100 D515 T840 EM3	Ø280x95	40000	1080	12	80+	4000	0,60
Pavo P LED1x1600 D516 T840 EM3	Ø360x105	40000	1700	18	80+	4000	0,84

* Tolerance range for optical and electrical data: ±10 %

Options available on request:

- EM3- Emergency version 3 hours (only 12 and 18 W versions)
- MW- MW sensor
- T830- Colour temperature 3000K
- T840- Colour temperature 4000K

Pavo P LED1x1600 D516 T840

