

VIZULO




STORK



RoHS





Architectural & Landscape

Sports Lighting

Large Outdoor Industrial Area

Agricultural Area

Ventilation cable gland

Combines pressure equalization and cable gland in a single unit. It ensures high air flow rates as well as high water protection capacity

Glass

Flat glass. Glass is fixed to die-cast aluminium frame with metal clips and can easily be replaced

LED module

High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time. Color temperature available: 3000K, 4000K

(5000K, 5700K available on customer request)

Intelligent light control system

Power line or radio frequency

Protection

IP66 for the complete luminaire

Impact resistance

IK09 (Vandal protected)
for the complete luminaire

Module temperature control

The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB

(function available on customer request)

Body

Die-cast aluminium

Lighting protection

Built-in surge protection starting from 3 kV till 10 kV

Light regulation

STORK drivers offer integrated midnight dimming and network-controlled 1-10V and DALI protocols

Opening

Die-cast aluminium clip for tool-less opening or closing, fixed to the frame with stainless steel spring for easy maintenance

Safety switch

Safety switch disconnects power on opening

Traffic roads

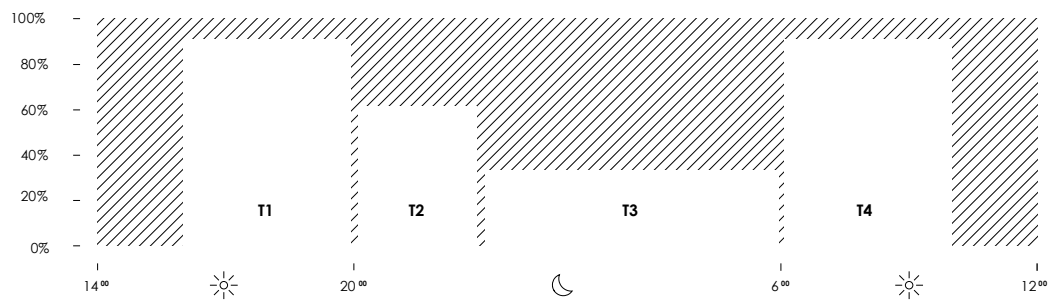
Pedestrian Roads

Residential Street/Area

City Centre

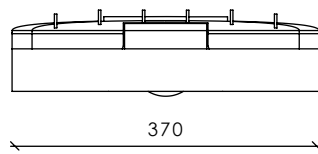
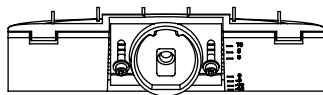
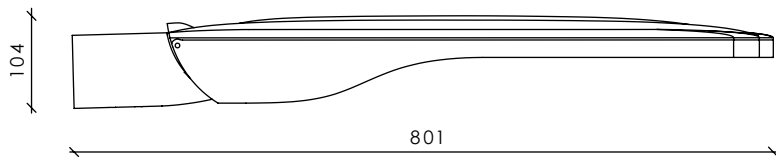
Midnight dimming

Midnight dimming provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on / off times.

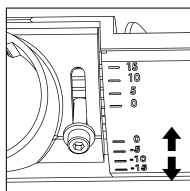
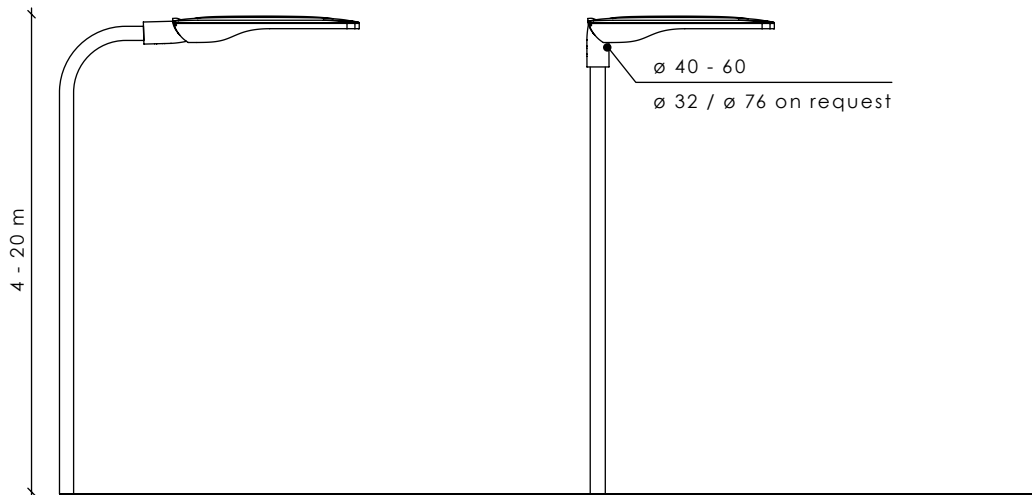


Stork

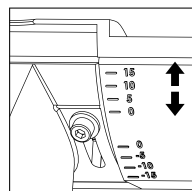




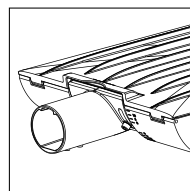
Other colors available on request



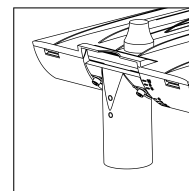
$\leq 0 \dots 15$



$\leq -15 \dots 0$



Horizontal entry



Vertical entry

Technical information



V	220 - 240	1-10V; DALI; Midnight dimming
Hz	50 - 60	Radio frequency / Power line ⁽⁴⁾
W	18 - 280	3; 6; 10 kV (optional) ⁽⁵⁾
lm	2300 - 34660	Warranty 5 years
lm/W	124 - 142	100 000h (L80B10C10) ⁽⁶⁾
K	3000 / 4000 ⁽¹⁾	100 000 h (L95B10C10) ⁽⁷⁾
°C	-40 to +50 ⁽²⁾	
CRI	>70 / >80 ⁽³⁾	

<i>Body:</i>	Die-cast aluminum
<i>Spigot:</i>	ø 40-60, with accessories ø 32; ø 76
<i>Neto weight:</i>	12 - 13,40 kg
<i>Max.wind load</i>	
<i>area, SCd, m2:</i>	0,047

⁽¹⁾ 5000; 5700 K available on request

⁽²⁾ 240 - 280 W at Ta = -40°C... +35°C

⁽³⁾ Luminaries with color rendering index (CRI): Ra >90 on request

⁽⁴⁾ Optional. Available only with DALI ; 1 - 10 V

⁽⁵⁾ 10 kV (L-N; L/N-PE) surge protection device available on request

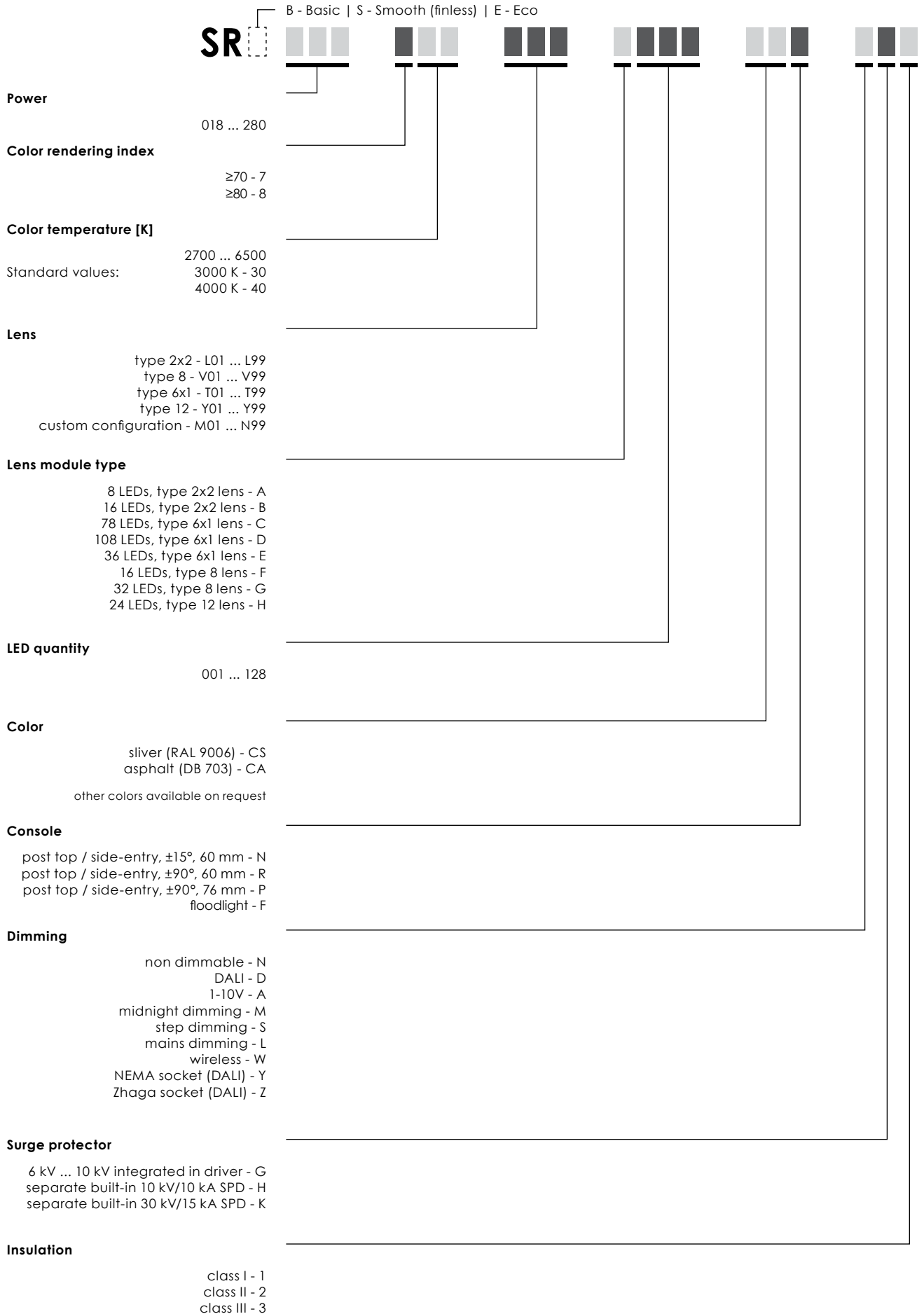
⁽⁶⁾ Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

⁽⁷⁾ Standard / High Power / High Density at Ta=25°C, this value is only informative and may change according to selected article

⁽⁸⁾ Coming soon

Model name principles



EXAMPLE SR 250 730 V01 G128 CSN DG1

Standard modules

4000K

	16			32			48			64		
Number of LED's												
Nominal current, mA	350	500	720	350	520	700	350	520	700	350	500	710
Power, W	18	27	37	37	51	68	53	76	102	69	97	137
Luminous Flux, lm	2300	3430	4570	5025	6780	8710	7380	10200	13170	9700	13200	17800
Efficacy, lm/W	128	127	124	136	133	128	139	134	129	141	136	130
Power factor, PF	0,90	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,96	0,93	0,96	0,98

Luminaire efficacy	3000 K	18 - 137 W	2100 - 17200 lm	120 - 136 lm/W
	4000 K	18 - 137 W	2300 - 17800 lm	124 - 141 lm/W
	5000 K	18 - 137 W	2220 - 17800 lm	124 - 141 lm/W

High power modules

Only with optic 01 / 02 / 03

4000K

	78			84			108		
Number of LED's									
Nominal current, mA	350	520	700	350	500	700	450	520	620
Power, W	84	120	160	90	128	180	146	170	200
Luminous Flux, lm	11900	16400	20840	12790	17550	23000	19890	22820	26180
Efficacy, lm/W	142	137	130	142	137	128	136	134	131
Power factor, PF	0,95	0,97	0,98	0,96	0,97	0,97	0,94	0,98	0,96

Luminaire efficacy	3000 K	18 - 137 W	2100 - 17200 lm	120 - 136 lm/W
	4000 K	18 - 137 W	2300 - 17800 lm	124 - 141 lm/W
	5000 K	18 - 137 W	2220 - 17800 lm	124 - 141 lm/W

4000K

Number of LED's	32			64			80		
Nominal current, mA	350	520	700	350	500	710	350	520	700
Power, W	37	51	68	69	97	137	83	123	168
Luminous Flux, lm	5025	6780	8710	9700	13200	17800	11800	16830	21880
Efficacy, lm/W	136	133	128	141	136	130	142	137	130
Power factor, PF	0,95	0,97	0,97	0,93	0,96	0,98	0,95	0,97	0,98

Number of LED's	96			128		
Nominal current, mA	350	520	700	350	500	730
Power, W	106	150	205	135	190	280
Luminous Flux, lm	14760	20110	26430	18990	25850	34660
Efficacy, lm/W	139	134	129	141	136	124
Power factor, PF	0,96	0,98	0,98	0,93	0,96	0,98

Luminaire efficacy	3000 K	84 - 200 W	11560 - 25500 lm	124 - 138 lm/W
	4000 K	84 - 200 W	11900 - 26180 lm	128 - 142 lm/W
	5000 K	84 - 200 W	11900 - 26180 lm	128 - 142 lm/W

ECO

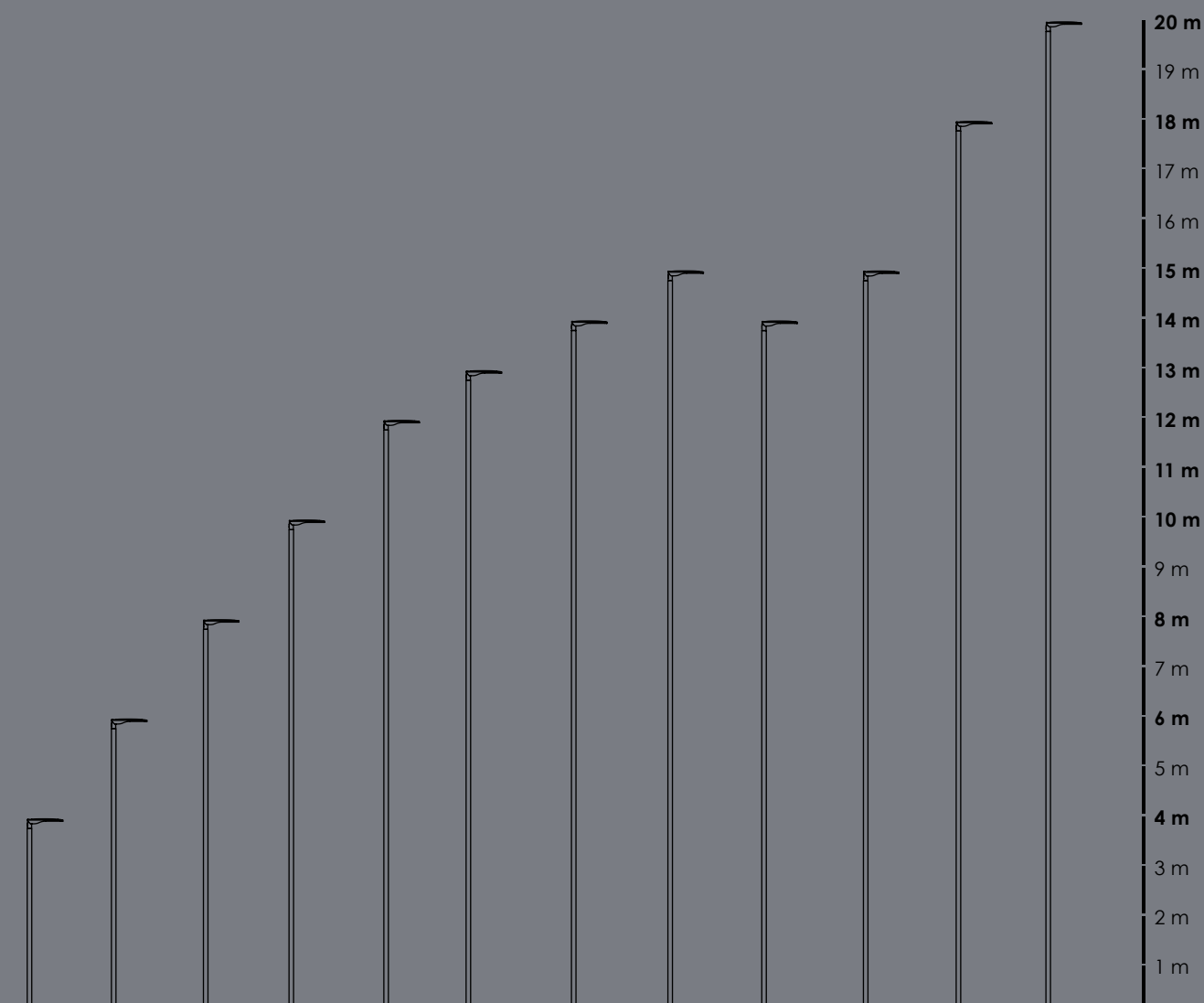
* Preliminary data

4000K

Number of LED's	16			32			48			
Nominal current, mA	350	500	700	350	500	700	350	500	560	700
Power, W	37	52	75	71	101	147	103	149	168	220
Luminous Flux, lm	5161	6873	9064	10400	13650	17900	15200	20200	21689	26631
Efficacy, lm/W	139	132	121	146	135	122	148	136	129	121
Power factor, PF	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,99	0,98

Number of LED's	64		
Nominal current, mA	350	500	700
Power, W	137	200	280
Luminous Flux, lm	19453	25982	32786
Efficacy, lm/W	142	130	117
Power factor, PF	0,94	0,97	0,98

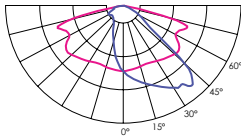
Pole height proposition



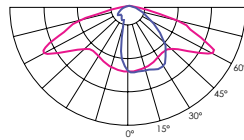
Pole height	4m	6-8 m	8-10 m	10 m	12 m	12-14 m	14-16 m	14-18 m	14-16 m	14-18 m	14-20 m	18-25 m
Standard modules	18 W	37 W	68 W	102 W	137 W							
High-power modules						160 W	182 W	200 W				
High-density modules									170 W	205 W	240 W	280 W

Optics

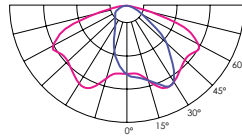
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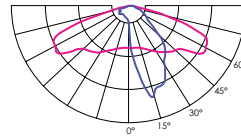
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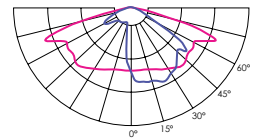
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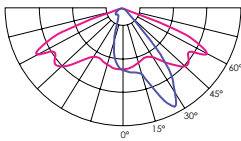
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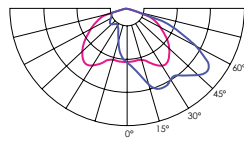
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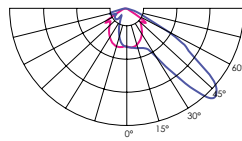
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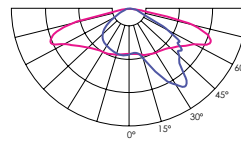
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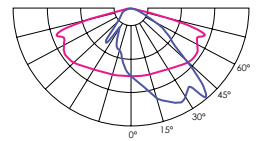
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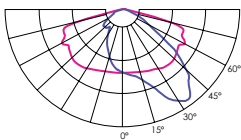
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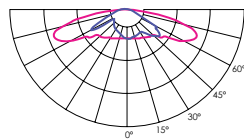
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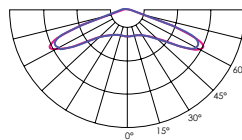
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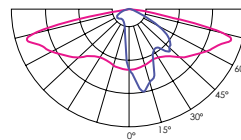
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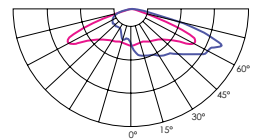
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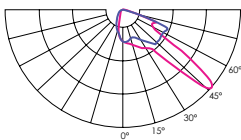
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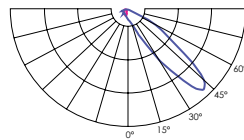
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36

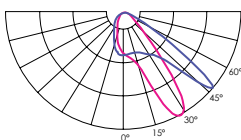


37

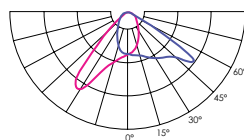


Pedestrian crossing optics

11



12



Logistic information

Carton size/cm L*W*H	Quantity per carton/pcs	Pallet quantity in 20' sea container	Pallet quantity in 40' sea container	QTY per pallet/pcs	Full palette size/cm L*W*H	Number of luminaires per row	Number of rows
84,5 x 44,5 x 20	1	20	22	24	129 x 89 x 172	3	8

	NETO WEIGHT/KG		BRUTO WEIGHT/KG	
	Per 1 pcs	Per pallet	Per 1 pcs	Per pallet
STORK 1 module luminaires	11,29	270,96	12,65	303,6
STORK 2 module luminaires	11,38	273,12	12,74	305,76
STORK 3 module luminaires	11,47	275,28	12,83	307,92
STORK 4 module luminaires	11,56	277,44	12,92	310,08
STORK 1 High power module luminaires	11,56	277,44	12,92	310,08



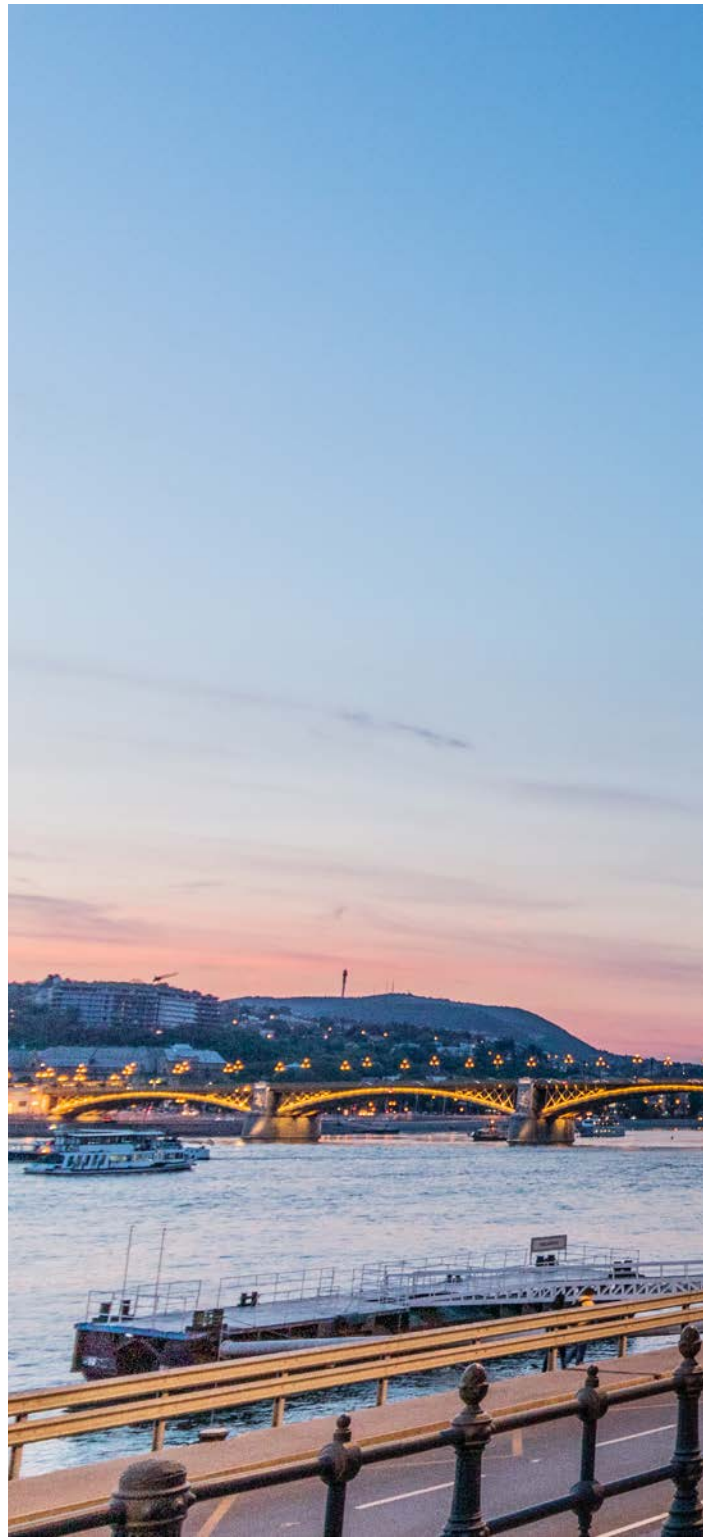
Riga | Latvia



Riga | Latvia



Carnikava | Latvia





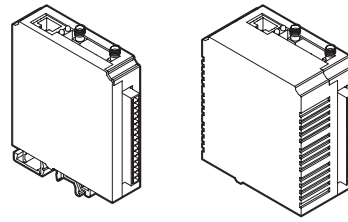
Budapest | Hungary

Accessories

Citintelly Segment controller

Art. 70010004

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

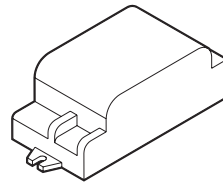


Citintelly Luminaire controller

Luminaire Controller is wireless mesh-networking device that uses 868 MHz for communication with Segment Controller and other Luminaire Controllers. It is delivered in various configurations to meet the needs of your applications.

Art. 70010001 /
LC2M-23-05-R Luminaire
Controller - 2 relays

Art. 70010002 /
LC2M-12-05-R Luminaire
Controller - 1 relay



Citintelly Surge Protection device

Art. 70020001

Surge Protection device offers protection against lighting surges;

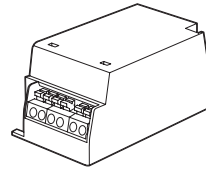
Voltage Protection level up (L-N) $\leq 1,5$ kV

Voltage Protection level up (L/N-PE) $\leq 2,0$ kV

$U_{oc} = 10$ kV

$I_{max} = 10$ kA

$I_{nom} = 5$ kA



Radio Frequency Antenna

Art. 70000108

Heavy duty IP67 enclosure
Mounted in cabinet or luminaire body
with 14 mm screw
SMA connector



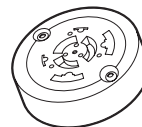
NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires

Art. 70000362

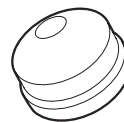
2213362-4, 7 pin NEMA socket 105°C wires

Art. 70000333



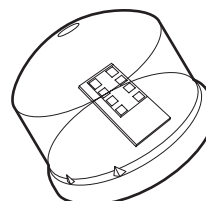
Dummy Link for NEMA Socket

Art. 70000113



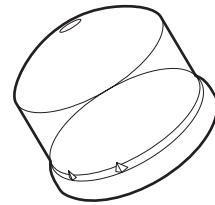
MSLC205RG Luminaire controller + radar, Zhaga, 80mm

Art. 70010027



**MSLC205RGL Luminaire controller,
Zhaga, 80mm**

Art. 70010029



Zhaga socket no cap

Art. 70000612



Zhaga socket with cap

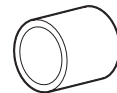
Art. 70000613



Console adapter

40mm to 30mm

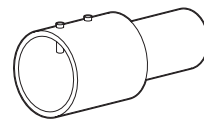
Art. 70055002



Console adapter

Spigot size 60 - 76mm

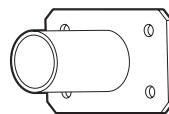
Art. 70044002



Wall mounting bracket

Spigot size 40 - 60 mm

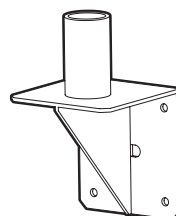
Art. 70044001



Wall mounting bracket

Vertical

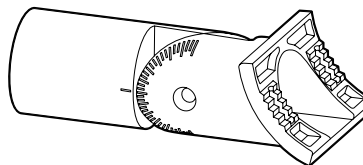
Art. 70044004



Adjustable Console ±90°

60 mm - Stork/ Stork LB

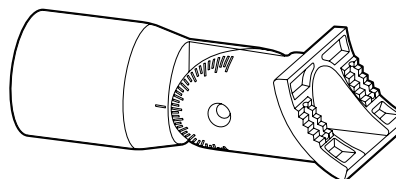
Art. 70044012



Adjustable Console ±90°

76 mm - Stork/ Stork LB

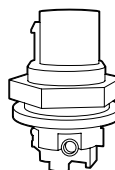
Art. 70044013



Device connector

Device connectors, standard M25, RST20i5, 5 pole, male, screw connection 250/400V, 20A

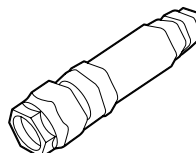
Art. 70000315



Connector

IP66 rated connector offers easy installation of the street luminaires. 3 wire cable connector

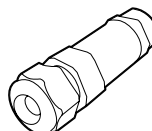
Art. 70000313



Connector

IP66 rated connector offers easy installation of the street luminaires. 5 wire cable connector

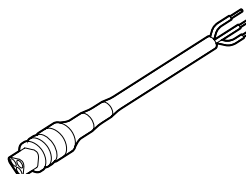
Art. 70000304



Connection cable

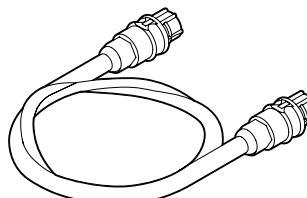
Male - free end, length 1m, RST20i3, 3 pole, 250V, 16A, cable type H05VV, cross section 1,5mm²

Art. 70000363



**Pre-installed cable sets
For external power supply**

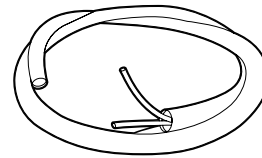
- 0,5 m long cable.....Art. 70000436
- 5 m long cable.....Art. 70000437
- 6 m long cable.....Art. 70000438
- 8 m long cable.....Art. 70000439
- 10 m long cable.....Art. 70000440
- 12 m long cable.....Art. 70000441
- 18 m long cable.....Art. 70000442
- 20 m long cable.....Art. 70000443
- 22 m long cable.....Art. 70000444
- 25 m long cable.....Art. 70000445



Pre-installed cable sets

For internal power supply:

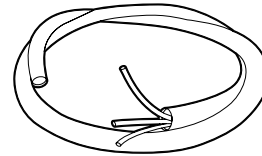
2 x 1,5mm - 0,5m long cable.....	Art. 70000418
2 x 1,5mm - 5m long cable.....	Art. 70000342
2 x 1,5mm - 6m long cable.....	Art. 70000337
2 x 1,5mm - 8m long cable.....	Art. 70000344
2 x 1,5mm - 10m long cable.....	Art. 70000338
2 x 1,5mm - 12m long cable.....	Art. 70000345
2 x 1,5mm - 18m long cable.....	Art. 70000419



Pre-installed cable sets

For internal power supply:

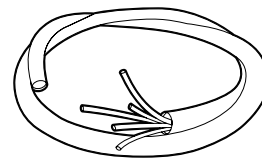
3 x 1,5 mm - 0,5 m long cable.....	Art. 70000319
3 x 1,5 mm - 5 m long cable.....	Art. 70000320
3 x 1,5 mm - 6 m long cable.....	Art. 70000321
3 x 1,5 mm - 8 m long cable.....	Art. 70000322
3 x 1,5 mm - 10 m long cable.....	Art. 70000323
3 x 1,5 mm - 12 m long cable.....	Art. 70000324
3 x 1,5 mm - 18 m long cable.....	Art. 70000325
3 x 1,5 mm - 20 m long cable.....	Art. 70000425
3 x 1,5 mm - 22 m long cable.....	Art. 70000426
3 x 1,5 mm - 25 m long cable.....	Art. 70000427
3 x 1,5 mm - 32 m long cable.....	Art. 70000430
3 x 1,5 mm - 42 m long cable.....	Art. 70000431
3 x 1,5 mm - 50 m long cable.....	Art. 70000432



Pre-installed cable sets

For internal power supply:

5 x 1,5 mm - 0,5 m long cable.....	Art. 70000305
5 x 1,5 mm - 5 m long cable.....	Art. 70000316
5 x 1,5 mm - 6 m long cable.....	Art. 70000317
5 x 1,5 mm - 8 m long cable.....	Art. 70000318
5 x 1,5 mm - 10 m long cable.....	Art. 70000306
5 x 1,5 mm - 12 m long cable.....	Art. 70000307
5 x 1,5 mm - 18 m long cable.....	Art. 70000308
5 x 1,5 mm - 20 m long cable.....	Art. 70000428
5 x 1,5 mm - 22 m long cable.....	Art. 70000429
5 x 1,5 mm - 25 m long cable.....	Art. 70000429
5 x 1,5 mm - 32 m long cable.....	Art. 70000433
5 x 1,5 mm - 42 m long cable.....	Art. 70000434
5 x 1,5 mm - 50 m long cable.....	Art. 70000435





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