VIZULO

STORK
LITTLE SISTER

Architectural & Landscape

Outdoor Industrial Area

Residental Street/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: 2700 K, 3000 K, 4000 K
(1800 K, 2200 K, 3500 K, 5000 K, 5700 K, 6500 K available on customer request)

Sockets
Zhaga and NEMA sockets compatible

Protection
IP66 for the complete luminaire

Safety switch
Safety switch disconnects power on opening

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

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

Impact resistance
IK10 (Vandal protected) for the complete luminaire

Traffic Roads

Pedestrian Roads

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.
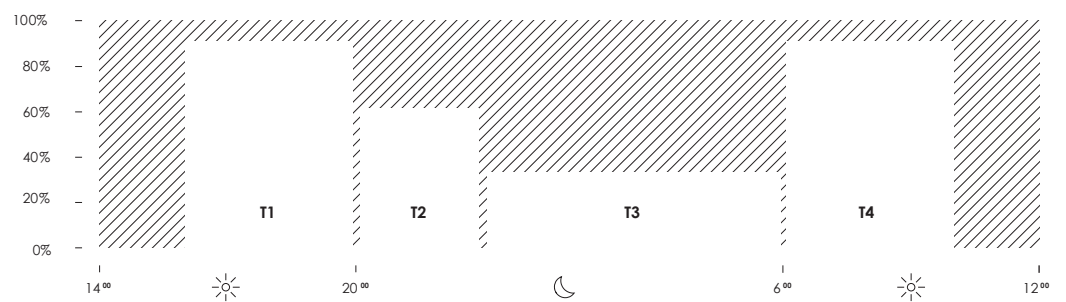
Stork little sister

with 60 mm console
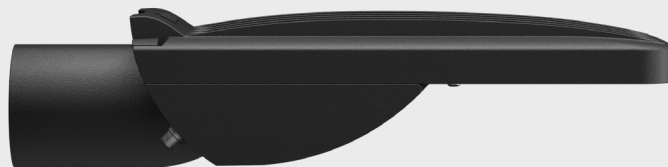
Note! Glass with gray print is standard
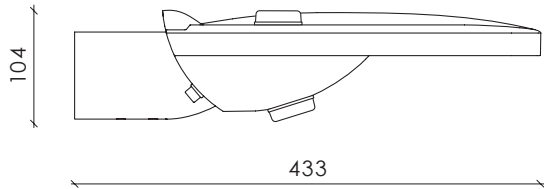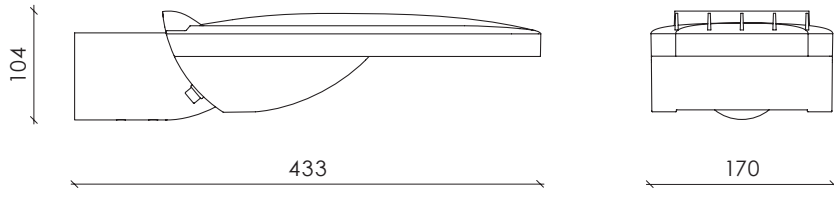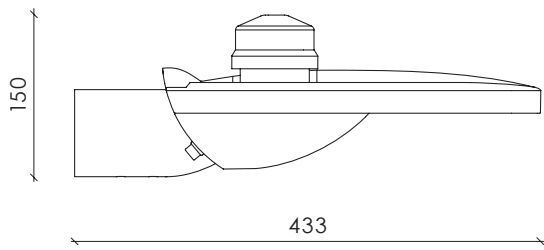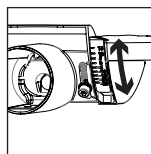(black print glass on request!)
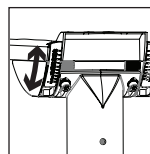
RAL7035 RAL9006 DB703 RAL9005

Other colors
available on request

104

433

170

104

433

Dimensions with 2 Zhaga connectors

150

433

Dimensions with NEMA socket

4 - 16 m

ø 40 - 60
ø 32 on request

≤ -25° ... 15°

Horizontal entry

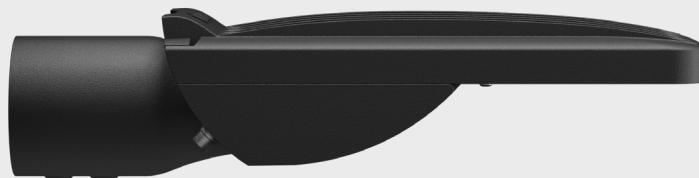≤ -5° ... 40°
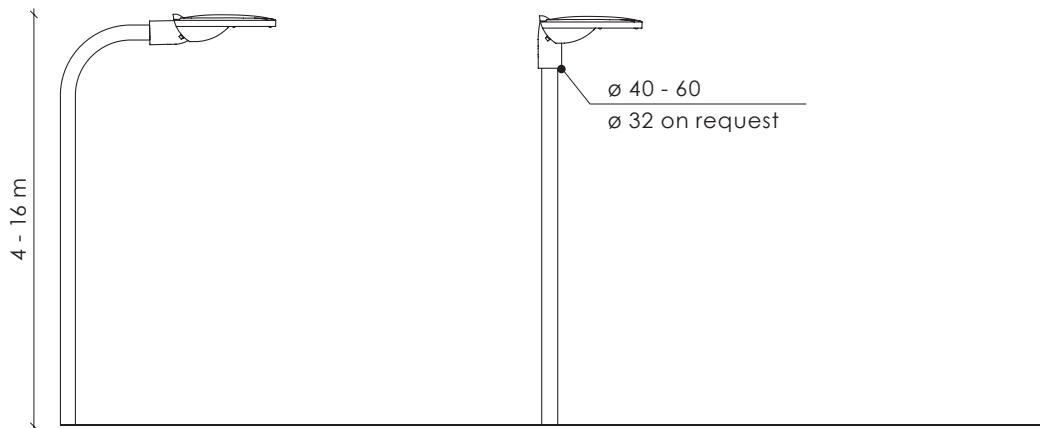
Vertical entry

Note! Only those models with fixed mounting position (0° relative to the ground) are DarkSky approved!

Stork little sister

with 76 mm console

Note! Glass with gray print is standard
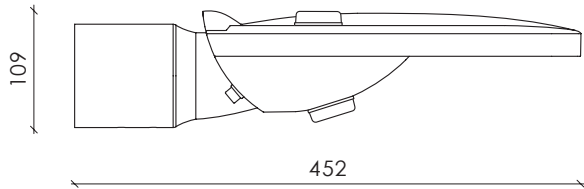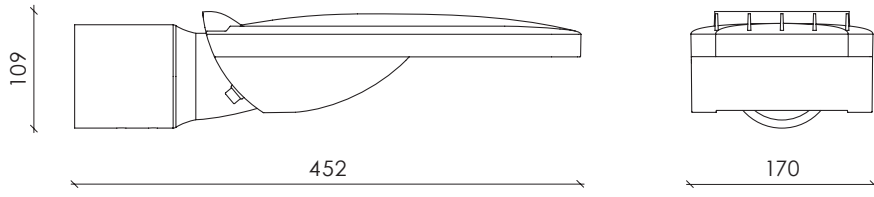(black print glass on request!)

RAL7035   RAL9006   DB703   RAL9005   Other colors
available on request

109

452

170

109

452

Dimensions with 2 Zhaga connectors

155

452

Dimensions with NEMA socket

4 - 16 m

ø 60 - 76
ø 32 on request

≤ -25° ... 15°

Horizontal entry

≤ -5° ... 40°
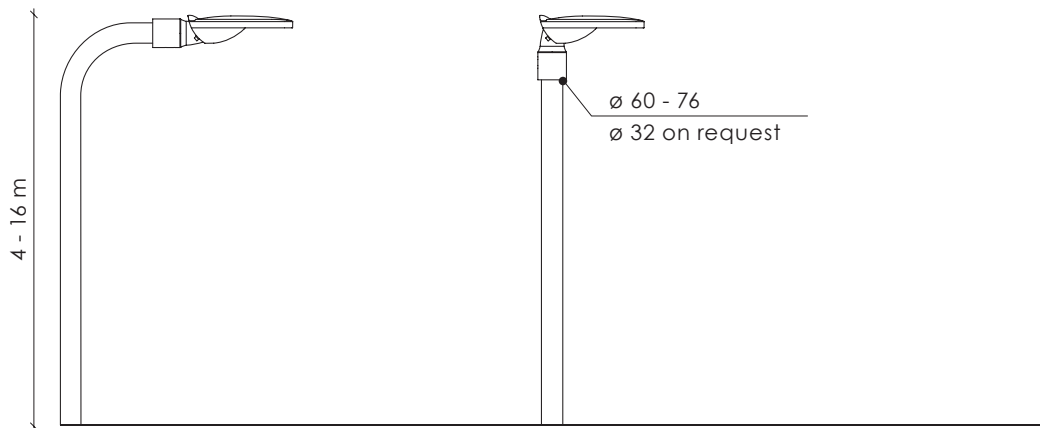
Vertical entry

Note! Only those models with fixed mounting position (0° relative to the ground) are DarkSky approved!

Stork little sister

with 60 mm adjustable console

Note! Glass with gray print is standard
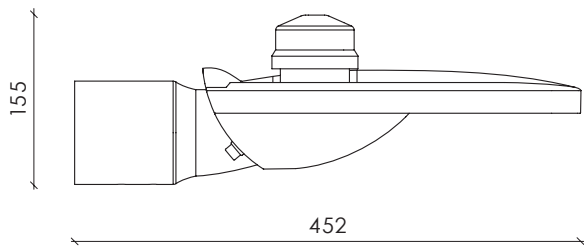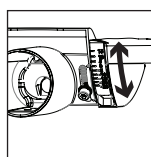(black print glass on request!)

RAL7035   RAL9006   DB703   RAL9005   Other colors
available on request

104

549

170

104

549

Dimensions with 2 Zhaga connectors

150

549

Dimensions with NEMA socket

4 - 16 m

ø 40 - 60
ø 32 on request

± 90°

Horizontal entry

± 90°
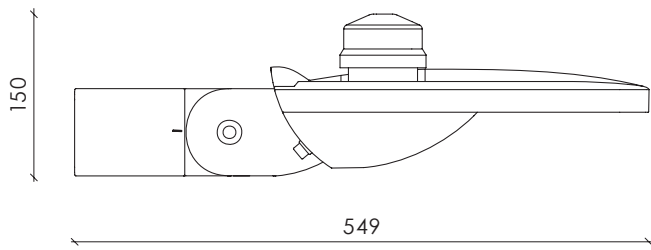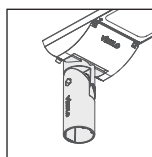
Vertical entry

Note! Only those models with fixed mounting position (0° relative to the ground) are DarkSky approved!

Stork little sister

with 76 mm adjustable console

Note! Glass with gray print is standard
(black print glass on request!)
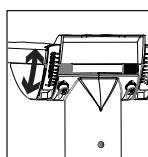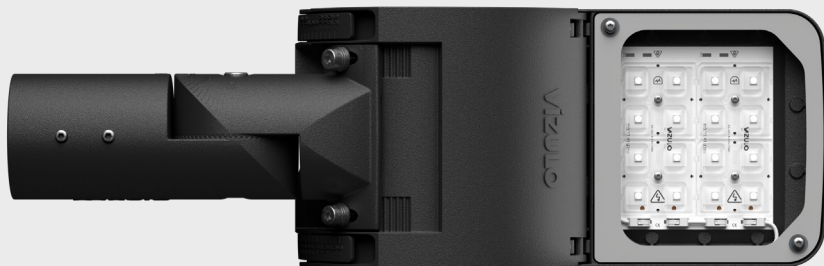
RAL7035   RAL9006   DB703   RAL9005   Other colors
available on request

109

574

170

109

574

Dimensions with 2 Zhaga connectors

155

574

Dimensions with NEMA socket

4 - 16 m

ø 60 - 76
ø 32 on request

± 90°
Horizontal entry
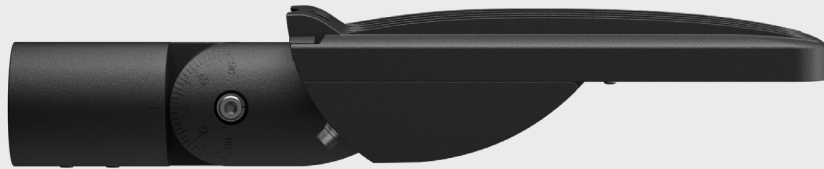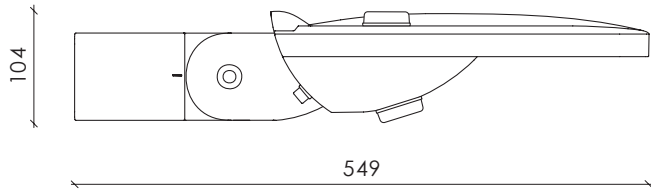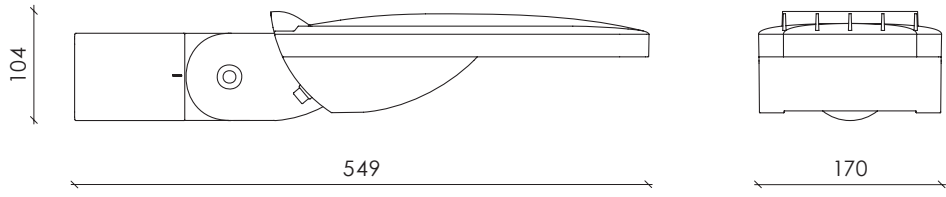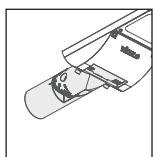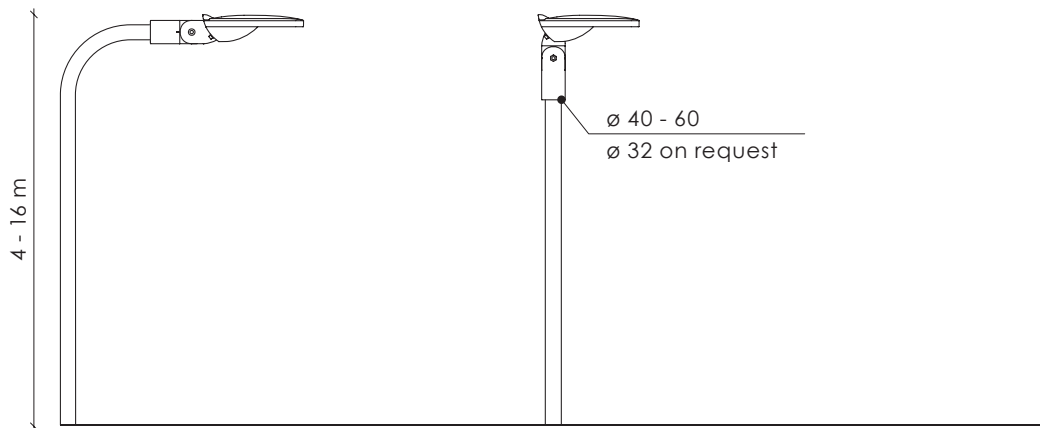
± 90°
Vertical entry
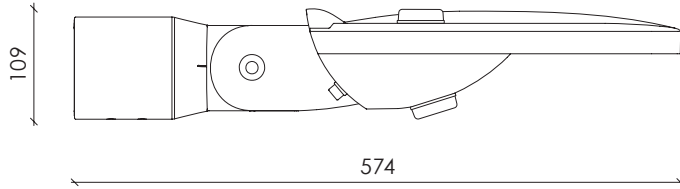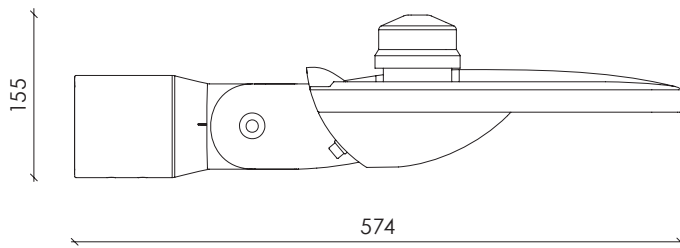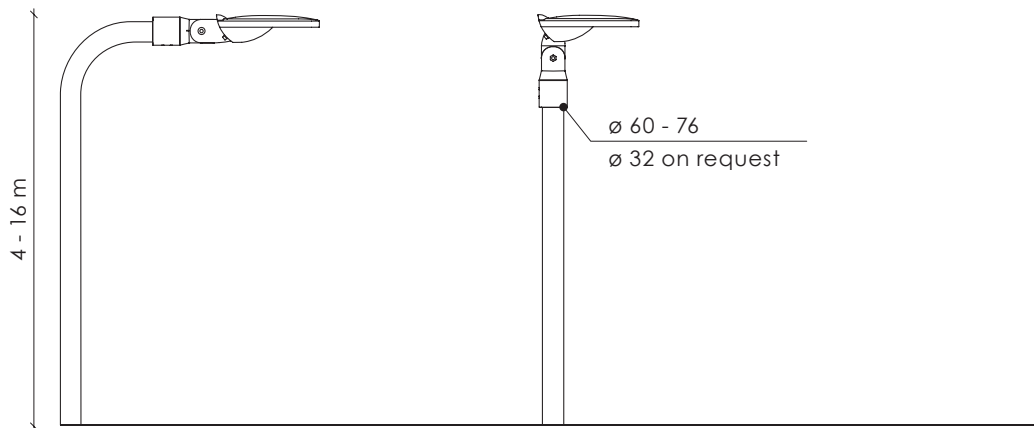
Note! Only those models with fixed mounting position (0° relative to the ground) are DarkSky approved!

Technical information

V	198 - 264 / 110 - 277 [1]	
Hz	50 - 60	
W	5 - 80	
lm	430 - 10500 [2]	
lm/W	86 - 181 [3]	
K	2700 / 3000 / 4000 [4]	
°C	-40 to +50	
CRI	>70 / >80 / >90 [4]	

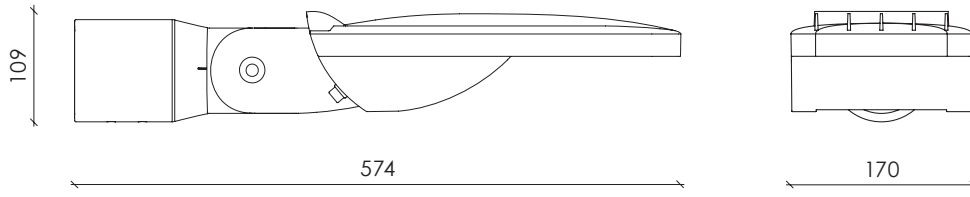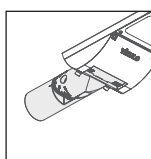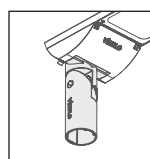|	
Body:	Die-cast aluminium
Dimming:	DALI / 1-10 V / Midnight dimming / Step dimming / Mains dimming
Initial chromaticity:	MacAdam 5
Lifetime:	Eco 100 000 h (L90B10) at Ta = 25 °C*
	Standard 100 000 h (L98B10) at Ta = 25 °C*
	High density 100 000 h (L98B10) at Ta = 25 °C*
Warranty:	5 years
Installation:	Tool-less
Spigot:	32 - 40 mm [5] / 40 - 60 mm / 60 - 76 mm
Socket:	NEMA Top / Zhaga Top and Bottom
Intelligent Control:	Stand-alone / Group / CMS
Sensor:	Motion / Motion + Daylight / Daylight
Surge protection:	4 / 6 / 10 kV [6]
Nature friendly:	PC Amber / Red / 1800 K
Corrosion protection:	Up to C5
Neto weight:	Up to 4.2 kg
Max. wind load area, SCd:	0.033 m^2

[1] Maximum operating voltage, ENEC certificate voltage 198 - 264 V, UL certificate voltage 110 - 277 V

[2] Lumen output indicated at CRI > 70

[3] This value depends from configuration and can reach even higher number when max efficient components are combined

[4] 1800 / 2200 / 3500 / 5000 / 5700 / 6500 K available on request along with other not listed CRI and CCT

Note! *Only fixtures with CCT of 3000 K or lower are DarkSky approved!*

[5] Achievable with an adapter for 40 - 60 mm spigot

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

* 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 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.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Standard modules

4000 K | CRI 70

Number of LED's	4			8			16		
Nominal current, mA	270	500	730	140	500	700	280	490	770
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	500	890	1250	560	1900	2500	2150	3500	5300
Efficacy, lm/W	100	111	114	112	127	132	143	140	136
Power factor, PF	Up to 0.93			Up to 0.94			Up to 0.98		

Luminaire efficacy			
	2700 K	5 - 39 W	430 - 4400 lm	86 - 119 lm/W
	3000 K	5 - 39 W	470 - 4800 lm	94 - 130 lm/W
	5000 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W
	5700 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W

High density modules

4000 K | CRI 70

Number of LED's	16			32		
Nominal current, mA	280	490	770	270	500	810
Power, W	15	25	39	27	50	80
Luminous Flux, lm	2150	3500	5300	4000	7100	10500
Efficacy, lm/W	143	140	136	148	142	131
Power factor, PF	Up to 0.98			Up to 0.97		

Luminaire efficacy			
	2700 K	15 - 80 W	1820 - 8900 lm	113 - 127 lm/W
	3000 K	15 - 80 W	2000 - 9900 lm	126 - 141 lm/W
	5000 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W
	5700 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W

ECO

4000 K | CRI 70

Number of LED's	4			8			12			16		
Nominal current, mA	140	490	670	280	500	710	280	500	710	280	500	710
Power, W	5	14	19	15	26	38	22	39	56	28	50	74
Luminous Flux, lm	550	1600	2200	2200	3700	5100	3100	5100	6600	4200	7100	9600
Efficacy, lm/W	110	114	116	147	142	134	141	131	118	150	142	130
Power factor, PF	Up to 0.94			Up to 0.98			Up to 0.98			Up to 0.98		

Luminaire efficacy			
	2700 K	5 - 74 W	500 - 9000 lm	100 - 143 lm/W
	3000 K	5 - 74 W	540 - 9300 lm	108 - 146 lm/W
	5000 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W
	5700 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W

Model name principles

SRU

X - Extended | F - Flood (flood light) | S - Smooth (finless) | E - Eco

Power [W]   005 ... 080

Color rendering index   ≥70 - 7
≥80 - 8

Color temperature [K]   1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... LZ9
type 4x2 - B01 ... BZ9
type 8 - V01 ... VZ9
type 1 - Z01 ... ZZ9
custom configuration - M01 ... NZ9

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
16 LEDs, type 4x2 lens - BT

LED quantity   004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console
* post top / side-entry, 60 mm - N
* post top / side-entry, 76 mm - T
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
midnight dimming + DALI - R
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
** custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation   class I - 1
class II - 2

EXAMPLE   SRU 080 730 L01 AA016 CSN NG1

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*   *Console regulation range - side entry: +15° ... -25° | post top: +40° ... -5°*

**   CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

LED modules

Type	Max module quantity	Min LED quantity per module	Max LED quantity per module	Max LED quantity per luminaire	LED step	LED type	Lens type	Layout
AA	2	4	8	16	2	Standard Eco	type 2x2 L01...LZ9	
AF	2	4	16	32	4	Standard	type 8 V01...VZ9	
BT	2	4	16	32	4	Standard	type 4x2 B01...BZ9	

Cable core count

Socket	Dimming	Model number abbreviation	Input cable core count - Class I	Input cable core count - Class II
None	None	N	3	2
None	DALI	D	5	4
None	Midnight dimming	M	3	2
None	Midnight dimming + DALI	R	5	4
None	Step dimming	S	5 [1]	4 [1]
None	Mains dimming	L	3	2
Zhaga	DALI	Z	3 [2]	2 [2]
Zhaga	Midnight dimming	X	3	2
Zhaga	Mains dimming	X	3	2
NEMA	DALI	Y	3 / 5 [3]	2 / 4 [3]
NEMA	Midnight dimming	X	3	2
NEMA	Step dimming	X	5 [1]	4 [1]
NEMA	Mains dimming	X	3	2

[1] 1 core unused

[2] DALI wires used only for internal connection between driver and Zhaga socket(s)

[3] +2 cores for external DALI connection

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
44 x 19 x 18	1	11	24	70	120 x 80 x 196	7	10

	NETO WEIGHT / KG		BRUTO WEIGHT / KG	
	Per 1 pcs	Per pallet	Per 1 pcs	Per pallet
STORK LITTLE SISTER side-entry / post top 60 mm luminaires	3,5	245	3,8	290
STORK LITTLE SISTER Eco side-entry / post top 60 mm luminaires	3,5	245	3,8	290
STORK LITTLE SISTER side-entry / post top ±90°, 60 mm luminaires	4,1	287	4,4	332
STORK LITTLE SISTER Eco side-entry / post top ±90°, 60 mm luminaires	4,1	287	4,4	332
STORK LITTLE SISTER side-entry / post top ±90°, 76 mm luminaires	4,2	294	4,5	339
STORK LITTLE SISTER Eco side-entry / post top ±90°, 76 mm luminaires	4,2	294	4,5	339

1960

800   1200
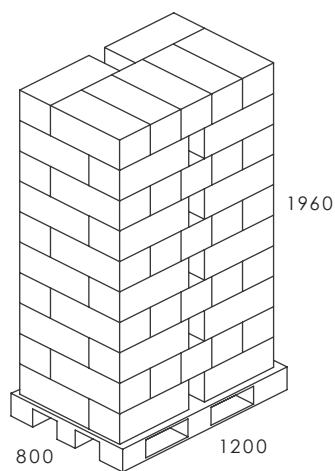
Optics

Standard
modules

L01
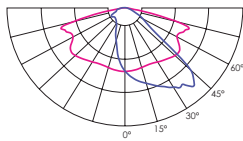
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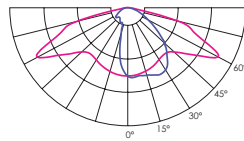
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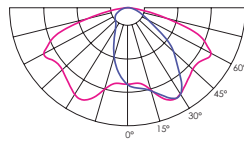
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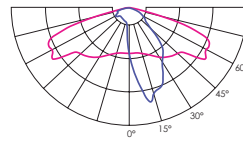
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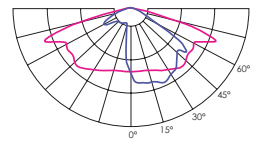
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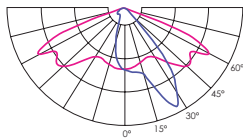
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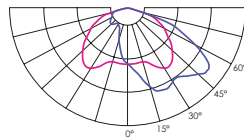
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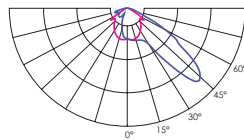
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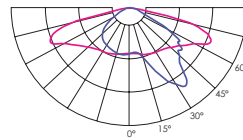
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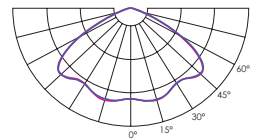
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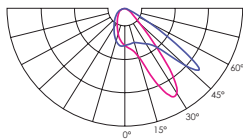
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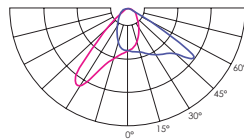
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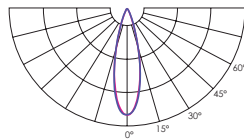
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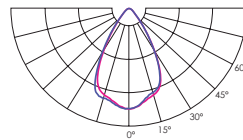
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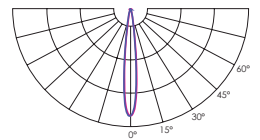
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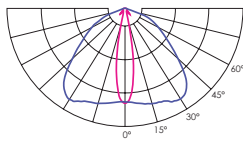
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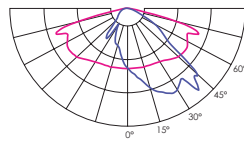
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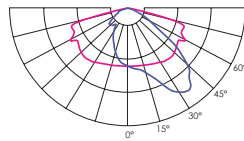
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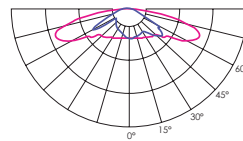
L20
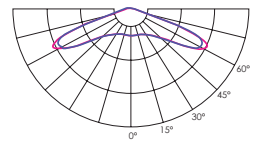
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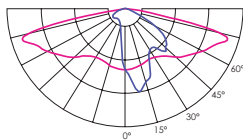
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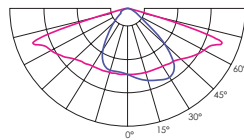
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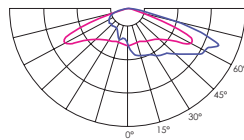
L36

L37

L38

L40

L41

L42

L46

L55

L56

L58

L60

L63

L66

L90

L94

High density modules

V01

V04

V05

V10

V13

V16

V20

V22

V35

V45

V52

V53

V57
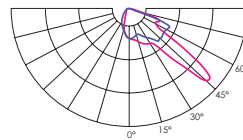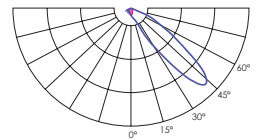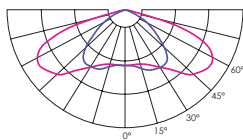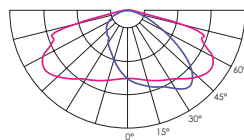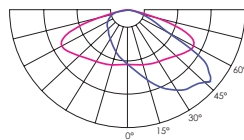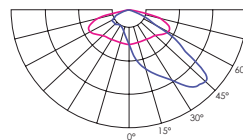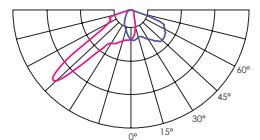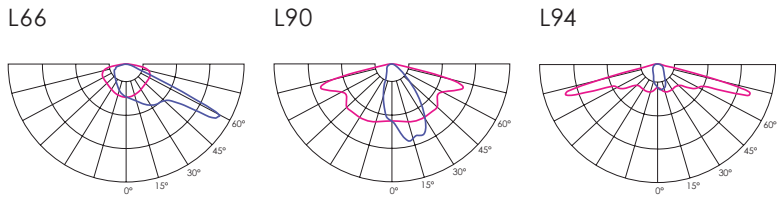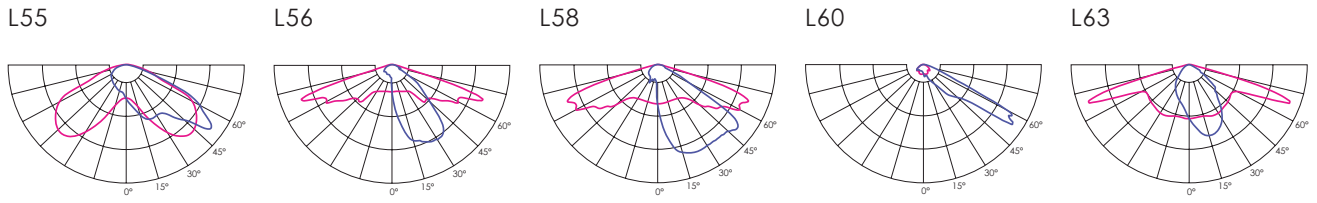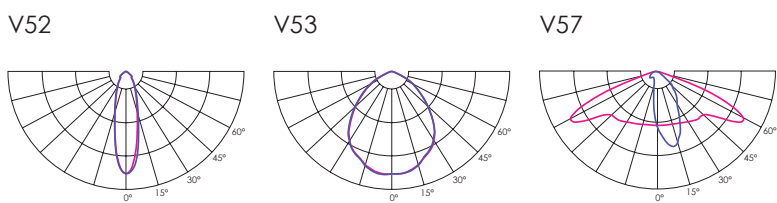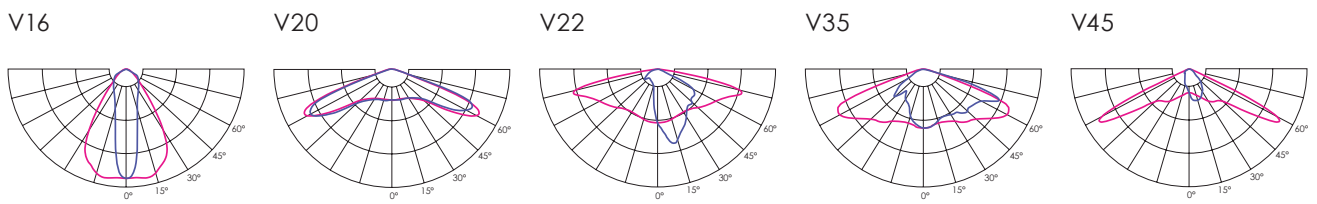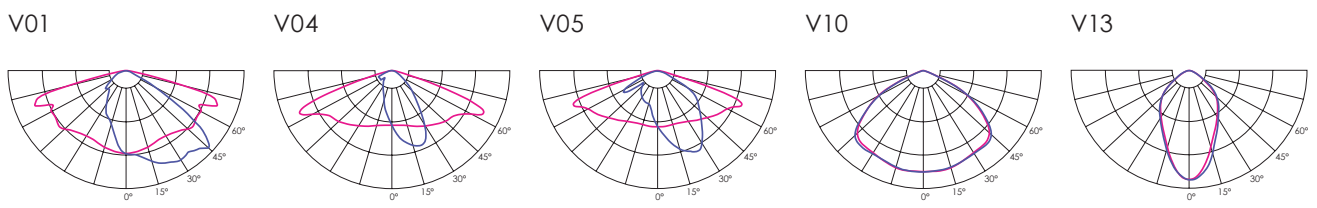
Pedestrian crossing optics

⏚	▣	IP66	IK10	CE	UKCA	RoHS	ZZDi	UL CERTIFIED		PLUS	DARKSKY APPROVED	EPD®			

V	198 - 264 / 110 - 277 [1]	
Hz	50 - 60	
W	5 - 39 [2]	
	15 - 74 [3]	
lm	Up to 5300 [2]	
	Up to 9600 [3]	
lm/W	Up to 181 [4]	
K	2700 / 3000 / 4000 [5]	
°C	-40 to +50	
CRI	>70 / >80 / >90 [5]	

Body:	Die-cast aluminium
Dimming:	DALI / 1-10 V / Midnight dimming / Step dimming / Mains dimming
Initial chromaticity:	MacAdam 5
Lifetime:	Eco 100 000 h (L90B10) at Ta = 25 °C*
	Standard 100 000 h (L98B10) at Ta = 25 °C*
Warranty:	5 years
Installation:	Tool-less
Spigot:	32 - 40 mm [6] / 40 - 60 mm / 60 - 76 mm
Socket:	NEMA Top / Zhaga Top and Bottom
Intelligent Control:	Stand-alone / Group / CMS
Sensor:	Motion / Motion + Daylight / Daylight
Surge protection:	4 / 6 / 10 kV [7]
Nature friendly:	PC Amber / Red / 1800 K
Corrosion protection:	Up to C5
Neto weight:	Up to 4.2 kg
Max. wind load area, SCd:	0.033 m^2

[1] Maximum operating voltage, ENEC certificate voltage 198 - 264 V, UL certificate voltage 110 - 277 V
[2] Standard modules, lumen output indicated at CRI > 70
[3] ECO modules, lumen output indicated at CRI > 70
[4] This value depends from configuration and can reach even higher number when max efficient components are combined
[5] 1800 / 2200 / 3500 / 5000 / 5700 / 6500 K available on request along with other not listed CRI and CCT
   Note! *Only fixtures with CCT of 3000 K or lower are DarkSky approved!*
[6] Achievable with an adapter for 40 - 60 mm spigot
[7] 10 kV (L-N; L/N-PE) surge protection device available on request

* 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 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.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Right side traffic

L11

L11
ECO

L36

L36
ECO

Left side traffic

L12

L12
ECO

L46

L46
ECO
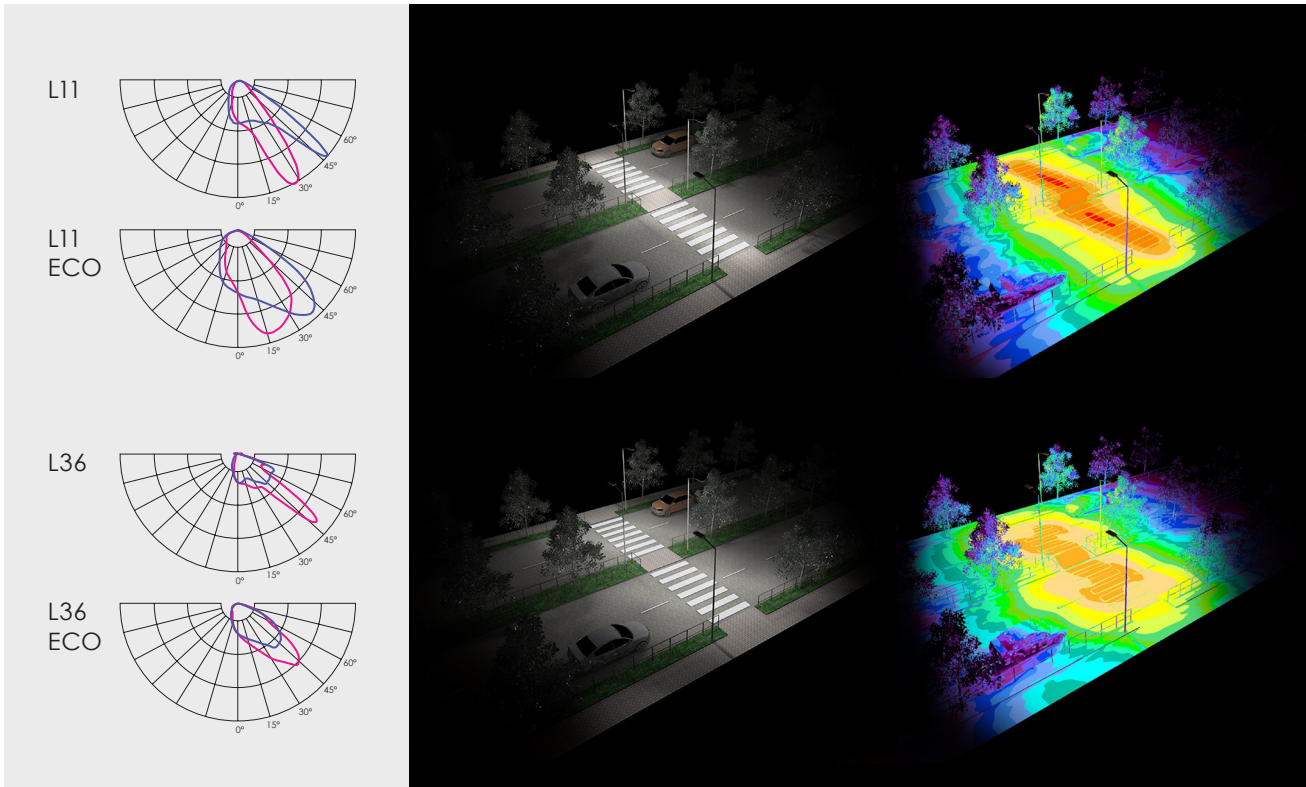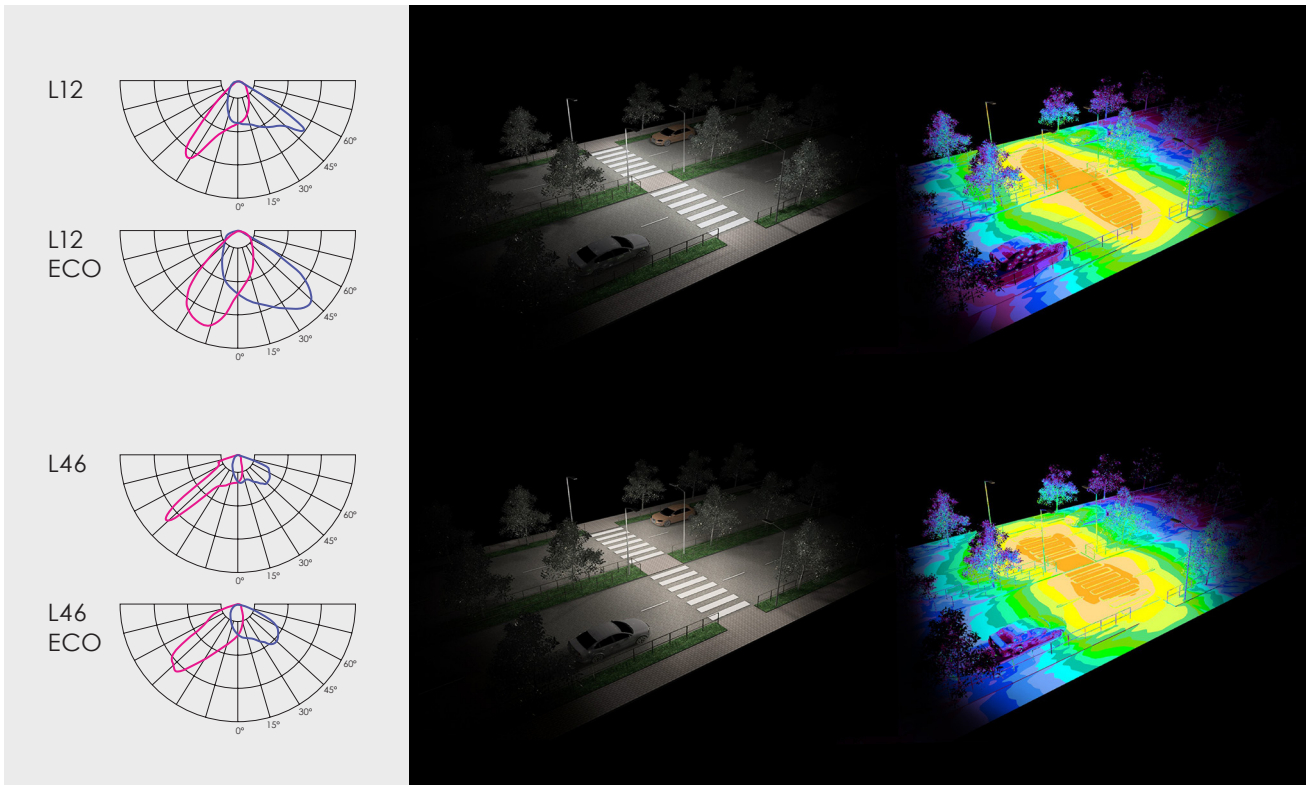
Backlight cutter

Backlight cutter | black

Art. 70000661

Backlight cutter | white

Art. 70000662
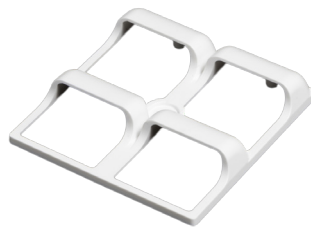
Optical loses from 10% to 31% depending from used optic.

Without backlight cutter	Backlight cutter	black	Backlight cutter	white
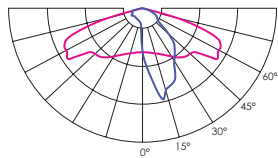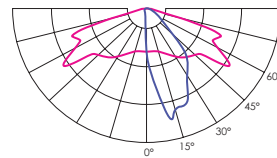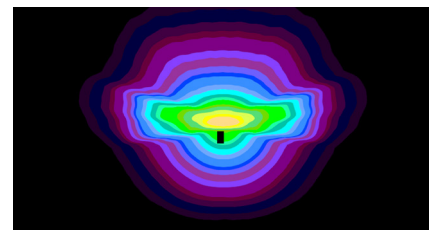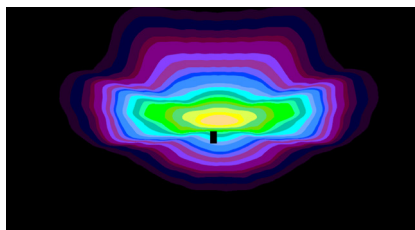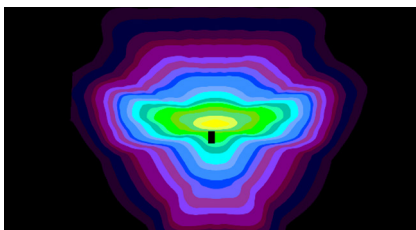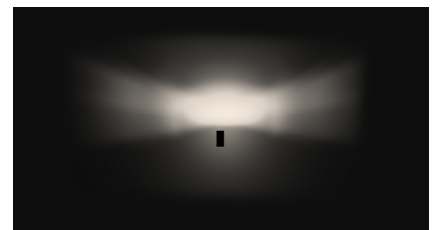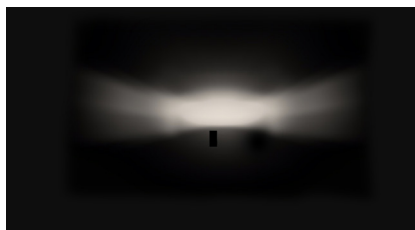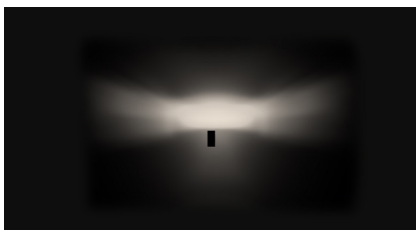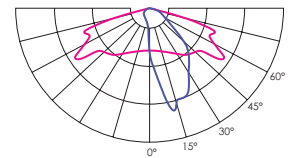
Accessories

MAUGLO Segment controller

Art. 70010004

Segment Controller receives commands from MAUGLO server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.
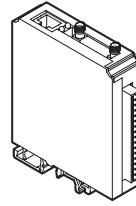
MAUGLO Surge Protection device

Art. 70020001

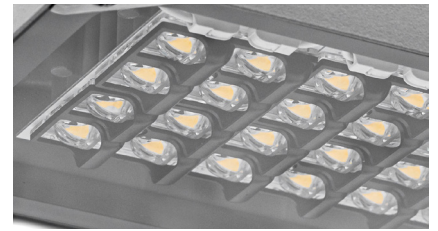Surge Protection device offersprotection against lighting surges;
Voltage Protection level up (L-N) ≤ 1,5 kV
Voltage Protection level up (L/N-PE) ≤ 2,0 kV
U_{oc} = 10 kV
I_{max} = 10 kA
I_{nom} = 5 kA
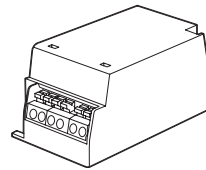
Radio Frequency Antenna

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
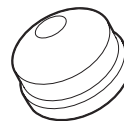
MSLC205RG Luminaire controller + radar, Zhaga, 80 mm

Art. 70010027
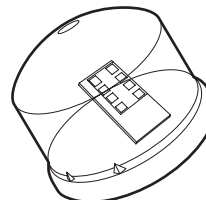
MSLC205RGL Luminaire controller, Zhaga, 80 mm

Art. 70010029
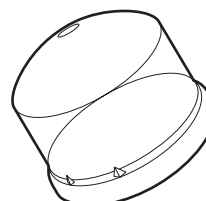
Zhaga socket no cap

Art. 70000612

Zhaga socket with cap

Art. 70000613
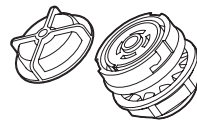
Console adapter

40 mm to 30 mm

Art. 70055002
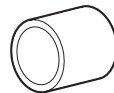
Console adapter

Spigot size 60 - 76 mm

Art. 70044002
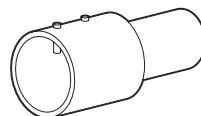
Wall mounting bracket

Spigot size 40 - 60 mm

Art. 70044001
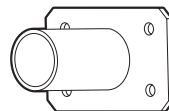
Wall mounting bracket

Vertical

Art. 70044004
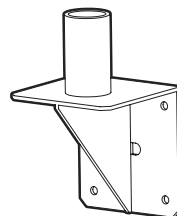
Stork LS console

60 - 76 mm, RAL 9006

Art. 70044246
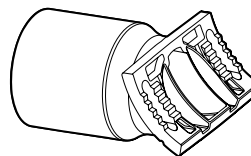
Stork LS adjustable console ±90°

40 - 60 mm, RAL 9006

Art. 70044097
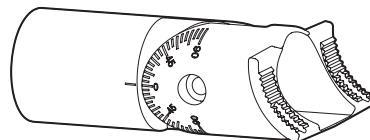
Stork LS adjustable console ±90°

60 - 76 mm, RAL 9006

Art. 70044099
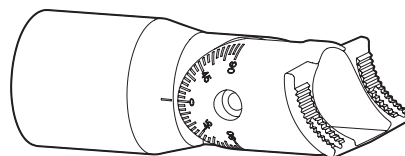
Device connector

Art. 70000315

IP66 rated connector offers easy installation of the street luminaires.
4 wire cable connector without PE connection.
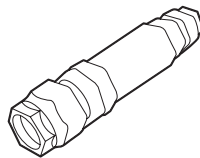
Connector

Art. 70000313

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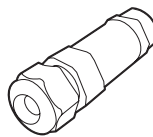
Connector

Art. 70000304

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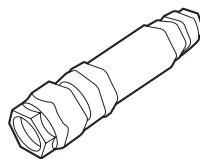
Connection cable

Art. 70000363

Male - free end, length 1 m, RST20i3, 3 pole, 250 V, 16 A, cable type H05VV, cross section 1,5 mm²
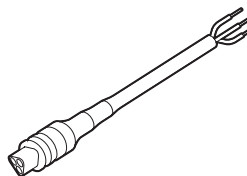
Pre-installed cable sets
For external power supply

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*
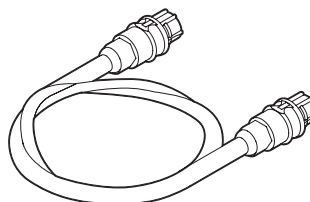
Pre-installed cable sets
For internal power supply

2 x 1,5 mm - 0,5 m long cable..*Art. 70000418*
2 x 1,5 mm - 5 m long cable ....*Art. 70000342*
2 x 1,5 mm - 6 m long cable ....*Art. 70000337*
2 x 1,5 mm - 8 m long cable ....*Art. 70000344*
2 x 1,5 mm - 10 m long cable ....*Art. 70000338*
2 x 1,5 mm - 12 m long cable ....*Art. 70000345*
2 x 1,5 mm - 18 m long cable ....*Art. 70000419*
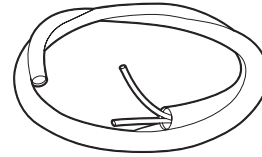
3 x 1,5 mm - 0,5 m long cable..*Art. 70000319*
3 x 1,5 mm - 5 m long cable ....*Art. 70000320*
3 x 1,5 mm - 6 m long cable ....*Art. 70000321*
3 x 1,5 mm - 8 m long cable ....*Art. 70000322*
3 x 1,5 mm - 10 m long cable   *Art. 70000323*
3 x 1,5 mm - 12 m long cable ....*Art. 70000324*
3 x 1,5 mm - 18 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*
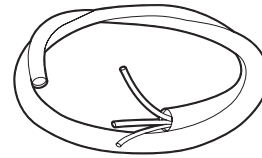
5 x 1,5 mm - 0,5 m long cable..*Art. 70000305*
5 x 1,5 mm - 5 m long cable ....*Art. 70000316*
5 x 1,5 mm - 6 m long cable ....*Art. 70000317*
5 x 1,5 mm - 8 m long cable ....*Art. 70000318*
5 x 1,5 mm - 10 m long cable ....*Art. 70000306*
5 x 1,5 mm - 12 m long cable ....*Art. 70000307*
5 x 1,5 mm - 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*
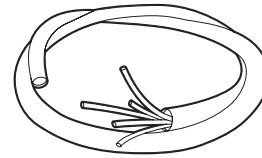
Certification

CE – conformity with European Union's health, safety and environmental protection standards

The CE mark is placed on products to state conformity with the relevant EU health, safety and environmental protection standards. In case of electronic products, the standards are, for example, the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive, Waste Electrical and Electronic Equipment (WEEE) directive, the Electromagnetic Compatibility (EMC) directive etc. The mark ensures that the product can be sold anywhere in the European Economic Area (EEA).

UKCA - conformity with the relevant essential requirements of Great Britain

UKCA is a product mark intended to demonstrate compliance with the directives set by Great Britain (England, Scotland and Wales). It is analogous to the European Union's CE marking, meaning that depending on the type of product the applicable regulations are different. In case of LED lighting, the relevant requirements are compliance with the Electromagnetic Compatibility Regulations, the Electrical Equipment (Safety) Regulations, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations and the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations.

RoHS – compliance with European Union's RoHS directive

The RoHS (Restriction of Hazardous Substances in Electrical and Electronic Equipment) directive restricts (with exceptions) the use of ten hazardous materials in the manufacture of various types of electronic and electrical equipment. The aim of the directive is to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste.

Zhaga-D4i - compliance with the requirements of Zhaga Book 18 or 20 and DALI standard

The Zhaga-D4i Mark represents the fact that a product is certified following the Zhaga-D4i joint certification program – a program established by Zhaga and the DALI Alliance (DiiA). The Zhaga part of the Mark represents that a product meets the requirements of Zhaga Book 18 or 20 – Zhaga standards that describe a smart interface between outdoor luminaires and sensing/ communication nodes. The DALI Alliance part of the Mark signifies that the product conforms with the DALI standard for intelligent, IoT-ready luminaires.

UL - compliance with UL standards for LED lighting

UL stands for Underwriter Laboratories, a third-party certification company that's been around for over a century. UL sets industry-wide standards for products and performs testing according to these standards to ensure that the products marked with the UL mark are safe and high quality.

ENEC - compliance with European standards for electrical equipment

The ENEC Mark is the high quality European Mark for electrical equipment. It is governed by the European Testing Inspection Certification System which ensures that the testing of products is conducted at ENEC – accredited laboratories, following additional requirements regarding the testing procedures. The ENEC Mark means that the testing procedure was followed scrupulously and that the consumer can be certain of the product's safety and quality.

ENEC+ - compliance with European standards for LED – based electronic products

The ENEC+ Mark is the high quality European Mark for LED – based electronic products. It demonstrates the product's compliance with the IEC standards for performance of LED modules and LED based luminaires. The ENEC+ Mark can only be granted to a product that has already acquired the ENEC Mark.

International EPD System – Environmental Product Declaration available

An Environmental Product Declaration (EPD) is a declaration of the materials, energy, transportation and other resources involved in the production, use and end-of life of a specific product. It is based on a Life Cycle Assessment (LCA) study that complies with standards EN ISO 14040 and EN ISO 14044. A product's EPD can help evaluate its impact on the environment and make sustainable choices.

DarkSky Approved - a DarkSky program seal of approval

DarkSky Approved certification is granted to outdoor lighting fixtures meeting the criteria outlined by DarkSky, an organization that aims to reduce light pollution, enabling clearer night skies and mitigating the impact on wildlife and human health. DarkSky Approved luminaires are shielded to cut off uplight, utilize energy-efficient light sources, and employ measures to limit glare. This certification reflects a dedication to responsible outdoor lighting, valued by communities, businesses, and individuals striving to protect nocturnal environments.

Synergrid approved - compliance with Synergid requirements for LED lighting

Synergrid is a federation of electricity and natural gas network operators in Belgium. The Synergrid approval mark means that the product is compliant with the design, safety and performance requirements set by Synergrid. The approval can be confirmed by checking the official list of Synergrid approved luminaires on the Synergrid website.
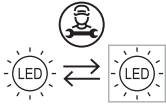
LED module replaceable by a professional

This pictogram shows that the LED modules included in the luminaire are only replaceable by a professional. This labeling is a requirement following the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.
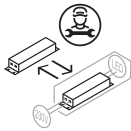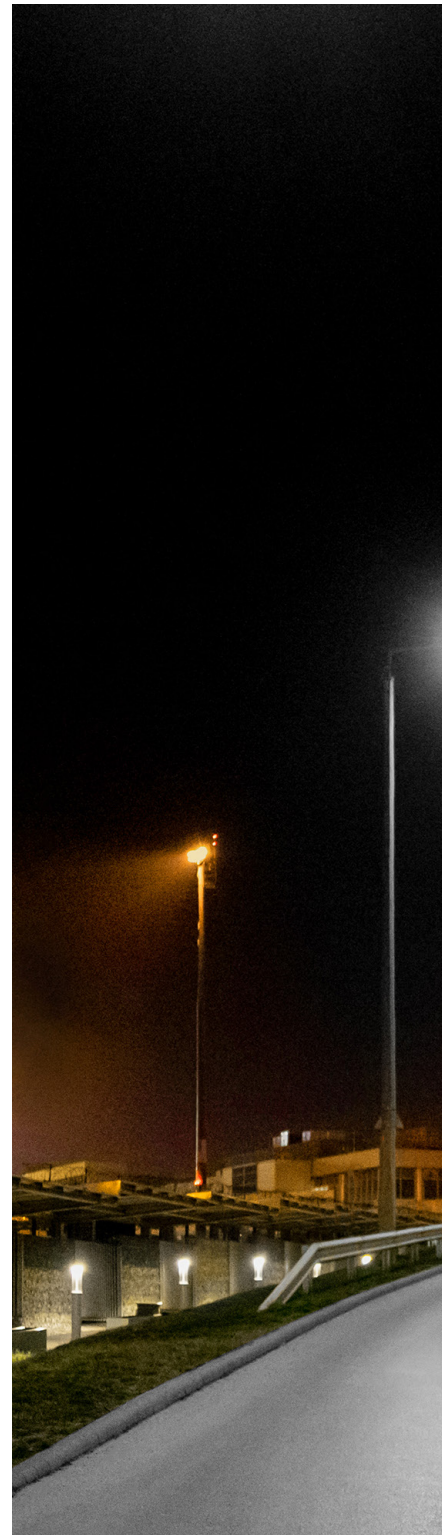
LED driver replaceable by a professional

This pictogram shows that the LED driver included in the luminaire is only replaceable by a professional. This labeling is a requirement folowing the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.

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