

vizulo



Luscinia

POST TOP

| Architectural & Landscape

Large Outdoor Industrial Area

Agricultural Area

Parks



| **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

| **PC Cover**

Polycarbonate cover.
Protects optics and LED module from direct impact

| **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

| **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 6 kV till 10 kV

| **Light regulation**

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

| **Impact resistance**

IK10 (Vandal protected) for the complete luminaire

| Traffic roads

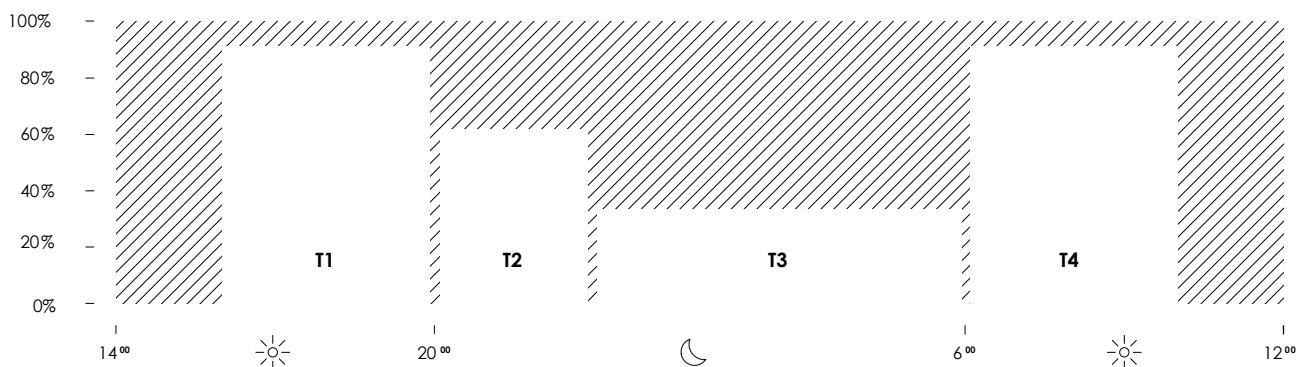
Pedestrian Roads

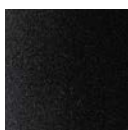
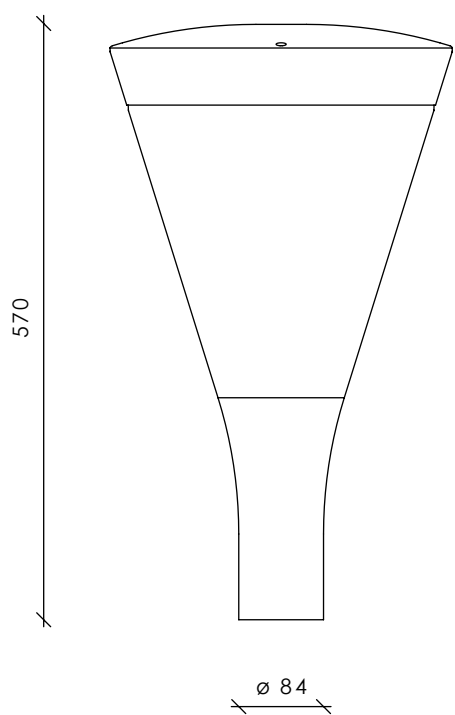
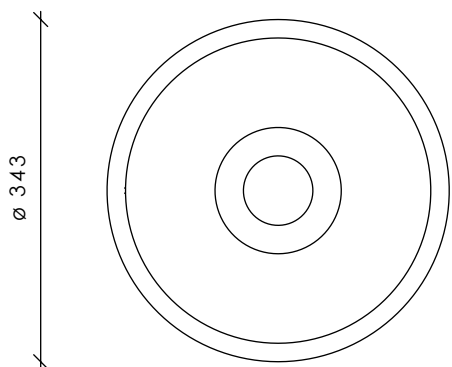
Residential Street/Area

City Centre

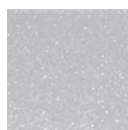
| Midnight dimming

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.





RAL9005



RAL9006

OTHER COLORS AVAILABLE ON REQUEST



Mounting



MCB / Inrush current table

Tridonic LED driver

Standard/High density	In-rush current (peak/duration)	B10A	B16A	B20A	B25A	C10A	C16A	C20A	C25A
LUP 8-16 LED, 8-33 W	36 A (195 µs)	10	16	21	28	16	21	35	44
LUP 16-24 LED, 19-60 W	32 A (267 µs)	7	12	15	19	11	20	25	30
LUP 32-40 LED, 28-63 W	37 A (287 µs)	7	12	15	19	11	20	25	30
LUP 40-48 LED, 44-63 W	56 A (280 µs)	5	8	11	14	10	16	22	22

Eco		B10A	B16A	B20A	B25A	C10A	C16A	C20A	C25A
LUPE 4-12 LED, 8-33 W	36 A (195 µs)	10	16	21	28	16	21	35	44
LUPE 6-12 LED, 17-60 W	32 A (267 µs)	7	12	15	19	11	20	25	30
LUPE 12-20 LED, 22-63 W	37 A (287 µs)	7	12	15	19	11	20	25	30
LUPE 20-24 LED, 46-63 W	56 A (280 µs)	5	8	11	14	10	16	22	22



Osram LED driver

Standard/High density	In-rush current (peak/duration)	B10A	B16A	B20A	B25A	C10A	C16A	C20A	C25A
LUP 8-16 LED, 8-40 W	45 A (180 µs)	10	17	21	28	16	27	33	44
LUP 20-32 LED, 18-63 W	53 A (200 µs)	7	12	15	20	11	19	24	32
LUP 32-48 LED, 28-63 W	57 A (210 µs)	7	12	15	20	11	19	24	32

Eco		B10A	B16A	B20A	B25A	C10A	C16A	C20A	C25A
LUPE 4-8 LED, 11-41 W	45 A (180 µs)	10	17	21	28	16	27	33	44
LUPE 6-16 LED, 16-63 W	53 A (200 µs)	7	12	15	20	11	19	24	32
LUPE 12-24 LED, 28-63 W	57 A (210 µs)	7	12	15	20	11	19	24	32

Technical information

Standard modules

V 220 - 240	1-10V; DALI; Midnight dimming	  IP66 IK10
Hz 50 - 60	Intelligent light control system: RF (radio frequency)	
W 8 - 52	Body: Die-cast aluminum	
lm 900 - 6330	Spigot: ø 40-60 mm	
lm/W 114 - 134	Surge protection: 6 kV, 10kV (optional)	
K 3000 / 4000	100 000 h (L95B10) at ta = 25°	
°C -40 to +50	Warranty 5 years	
CRI >70		

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

4000K



Number of LED's	8			16			24		
Nominal current, mA	270	500	710	270	500	710	270	500	700
Power, W	8	13	19	14	25	35	20	37	52
Luminous Flux, lm	900	1580	2150	1770	3140	4230	2650	4710	6330
Efficacy, lm/W	112,5	122	113	126	126	121	133	127	122
Power factor, PF	0,84	0,96	0,94	0,81	0,93	0,97	0,86	0,94	0,97

Luminaire efficacy

3000 K	8 - 52 W	870 - 6130 lm	110 - 127 lm/W
4000 K	8 - 52 W	900 - 6330 lm	114 - 131 lm/W
5000 K	8 - 52 W	900 - 6330 lm	114 - 131 lm/W

Technical information

High density modules

V 220 - 240	1-10V; DALI; Midnight dimming	  IP66 IK10
Hz 50 - 60	Intelligent light control system: RF (radio frequency)	
W 14 - 63	Body: Die-cast aluminum	
lm 1810 - 8572	Spigot: ø 40-60 mm	
lm/W 124 - 138	Surge protection: 6 kV, 10kV (optional)	
K 3000 / 4000	100 000 h (L95B10) at ta = 25°	
°C -40 to +50	Warranty 5 years	
CRI >70		

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

4000K

	16			32			48	
Number of LED's								
Nominal current, mA	270	500	710	270	500	640	350	440
Power, W	14	25	35	27	49	63	51	63
Luminous Flux, lm	1770	3140	4230	3520	6230	7714	6850	8370
Efficacy, lm/W	126	126	121	130	127	122	134	133
Power factor, PF	0,81	0,93	0,97	0,71	0,93	0,96	0,9	0,93

Luminaire efficacy

3000 K	14 - 63 W	1713 - 8100 lm	114 - 131 lm/W
4000 K	14 - 63 W	1770 - 8370 lm	121 - 134 lm/W
5000 K	14 - 63 W	1770 - 8370 lm	121 - 134 lm/W

Technical information

ECO

V 220 - 240	1-10V; DALI; Midnight dimming
Hz 50 - 60	Intelligent light control system: RF (radio frequency)
W 14 - 63	Body: Die-cast aluminum
lm 1910 - 7570	Spigot: ø 40-60 mm
lm/W 116 - 139	Surge protection: 6 kV, 10kV (optional)
K 3000 / 4000	100 000 h (L80B10) at ta = 25°
°C -40 to +50	Warranty 5 years
CRI >70	



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

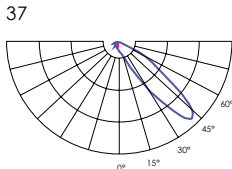
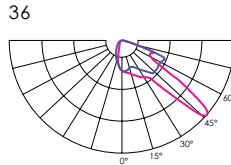
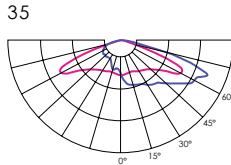
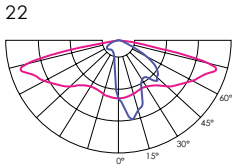
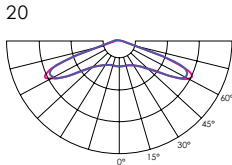
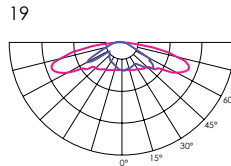
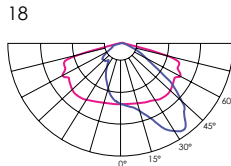
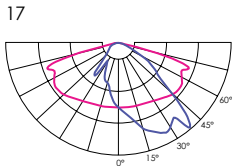
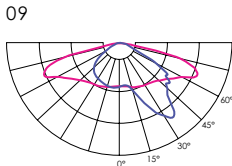
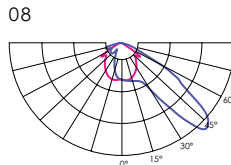
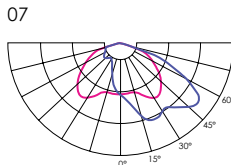
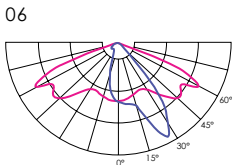
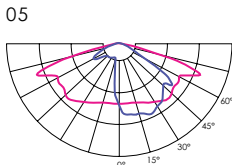
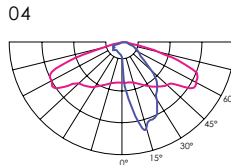
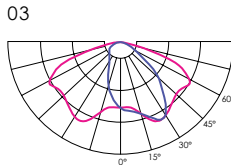
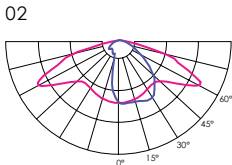
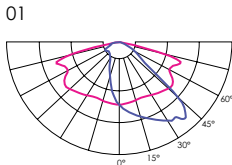
4000K

Number of LED's	8			16		
Nominal current, mA	260	500	700	260	500	600
Power, W	14	27	38	27	52	63
Luminous Flux, lm	1959	3473	4510	3853	6830	7760
Efficacy, lm/W	140	129	119	143	131	123
Power factor, PF	0,81	0,9	0,94	0,71	0,94	0,96

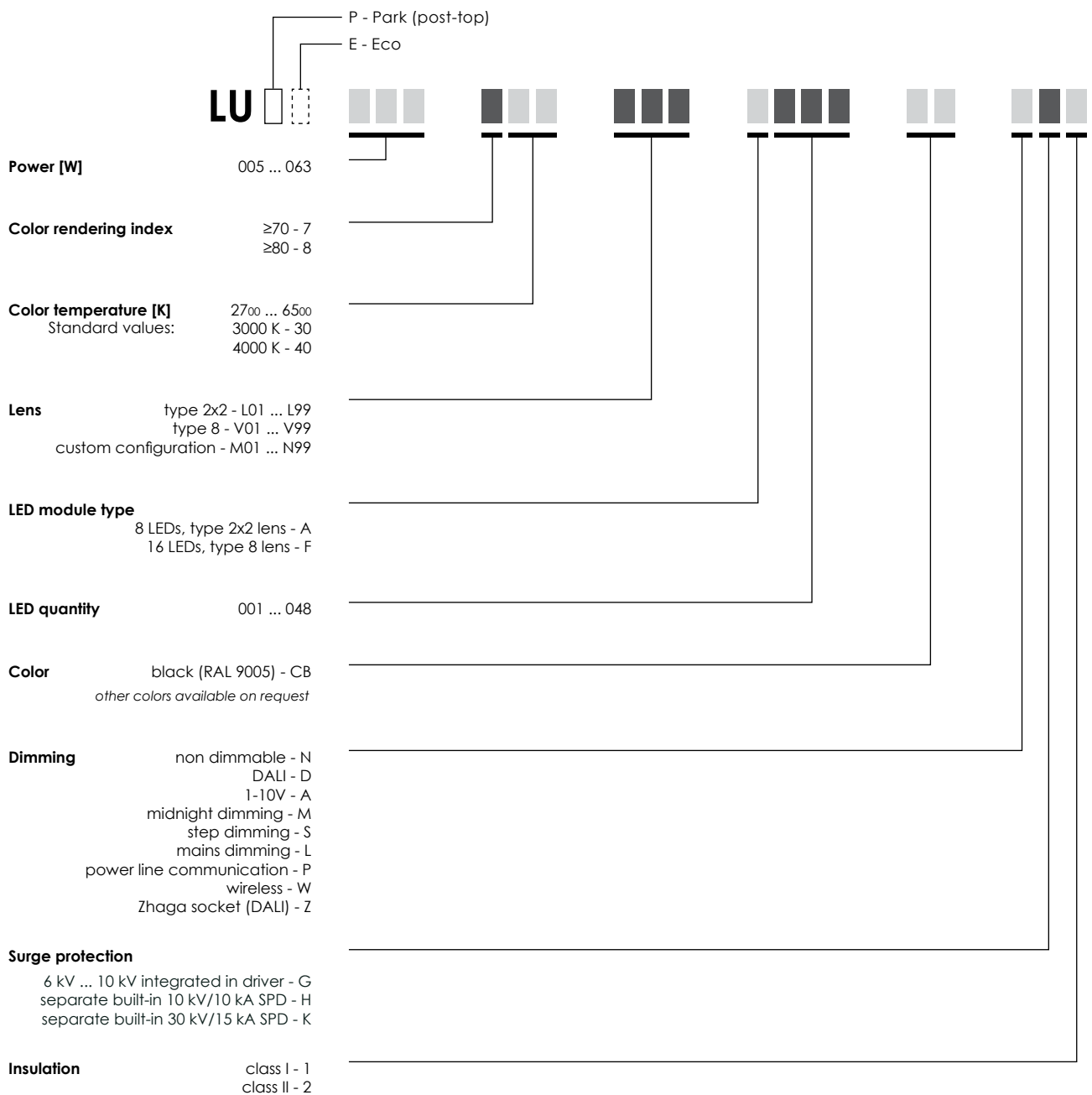
Luminaire efficacy

3000 K	14 - 63 W	1769 - 7000 lm	108 - 129 lm/W
4000 K	14 - 63 W	1910 - 7570 lm	117 - 139 lm/W
5000 K	14 - 63 W	1910 - 7570 lm	117 - 139 lm/W

| Optic

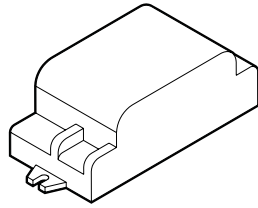


Model name principles



EXAMPLE LUP 025 730 L22 A016 CB DG1

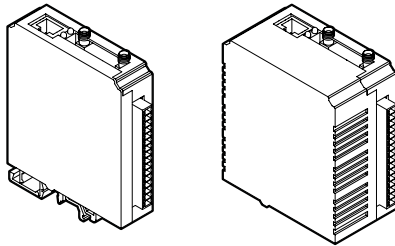
Accessories



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.

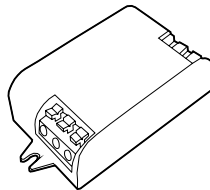
Art. 70010001 | Luminaire controller, 2 relay
Art. 70010002 | Luminaire controller, 1 relay



Citintelly Segment controller

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

Art. 70000101



Citintelly Surge Protection device

Surge Protection device offers protection against lighting surges;

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

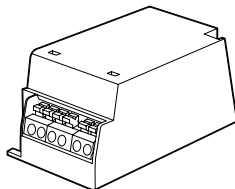
Voltage Protection level up (L/N-PE) $\leq 1,8$ kV

$U_{oc} = 10$ kV

$I_{max} = 10$ kA

$I_{nom} = 5$ kA

Art. 70002001



Surge Protection device

Surge Protection device offers protection against lighting surges;

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

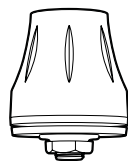
Voltage Protection level up (L/N-PE) $\leq 2,0$ kV

$U_{oc} = 10$ kV

$I_{max} = 10$ kA

$I_{nom} = 5$ kA

Art. 70000203



Radio Frequency Antenna

Heavy duty IP67 enclosure

Mounted in cabinet or luminaire body with 14 mm screw

SMA connector

Art. 70000108



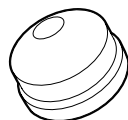
NEMA Socket

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

Art. 70000362

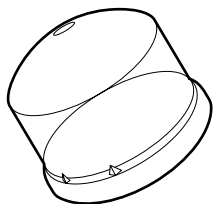
2213362-4, 7 pin NEMA socket 105°C wires

Art. 70000333



Dummy Link for NEMA Socket

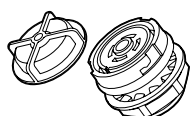
Art. 70000113



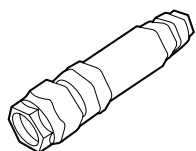
MSLC205RGL Luminaire controller, Zhaga, 80mm
Art. 70010029



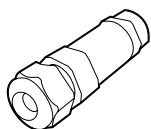
Zhaga socket no cap
Art. 70000612



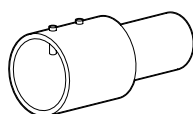
Zhaga socket with cap
Art. 70000613



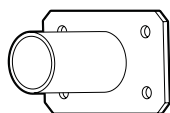
Connector
IP66 rated connector offers easy installation of luminaires.
3 wire cable connector
Art. 70000313



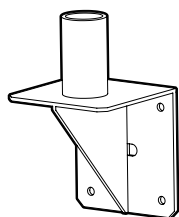
Connector
IP66 rated connector offers easy installation of luminaires.
5 wire cable connector
Art. 70000315



Console adapter
Spigot size 60 - 76 mm
Art.70044002



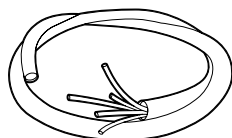
Wall mounting bracket
Spigot size 40 - 60 mm
Art.70044001



Wall mounting bracket

Vertical

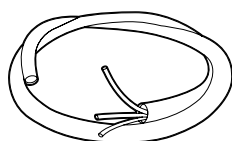
Art.70044004



Pre-installed cable sets

Pre-installed cables sets in the luminaire
Diameter of the cable:

3 x 1,5 mm - 0,5 m length	Art. 70000319
3 x 1,5 mm - 5 m length	Art. 70000320
3 x 1,5 mm - 6 m length	Art. 70000321
3 x 1,5 mm - 8 m length	Art. 70000322
3 x 1,5 mm - 10 m length	Art. 70000323
3 x 1,5 mm - 12 m length	Art. 70000324
3 x 1,5 mm - 18 m length	Art. 70000325



Pre-installed cables sets in the luminaire
Diameter of the cable:

5 x 1,5 mm - 0,5 m length	Art. 70000305
5 x 1,5 mm - 5 m length	Art. 70000316
5 x 1,5 mm - 6 m length	Art. 70000317
5 x 1,5 mm - 8 m length	Art. 70000318
5 x 1,5 mm - 10 m length	Art. 70000306
5 x 1,5 mm - 12 m length	Art. 70000307
5 x 1,5 mm - 18 m length	Art. 70000308

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