

vizULO



Mustang

Sports Lighting

Airport Infrastructure

Airport Infrastructure

Ventilation cable gland

Pressure equalisation. 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

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 10 kV

Light regulation

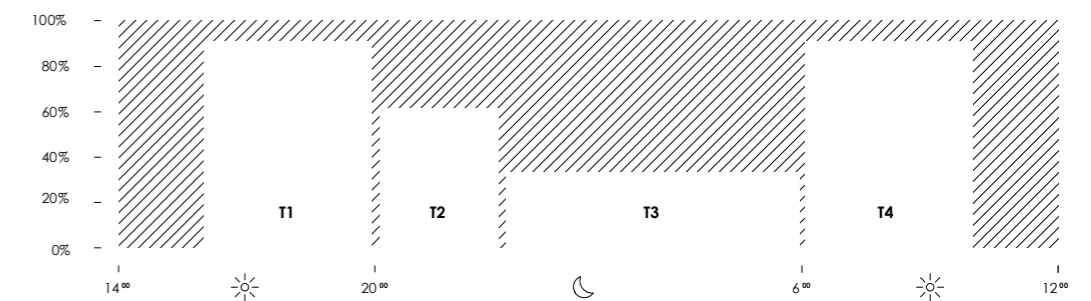
MUSTANG drivers offer integrated midnight dimming and network-controlled 1-10V and DALI protocols

Opening

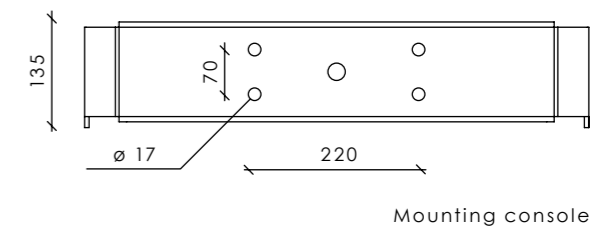
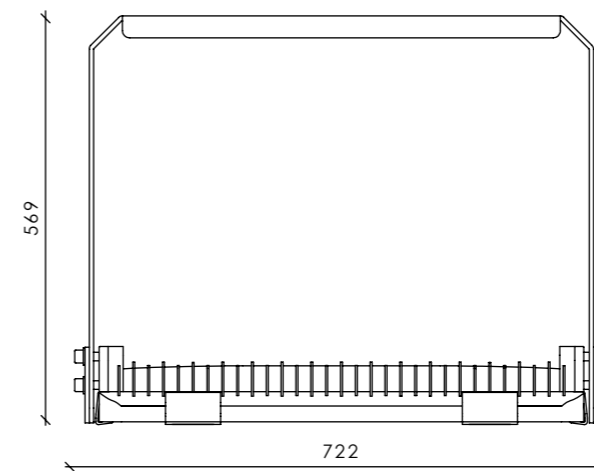
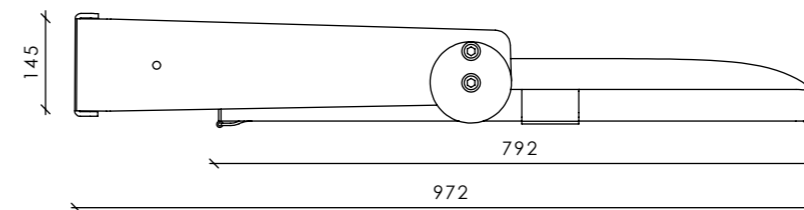
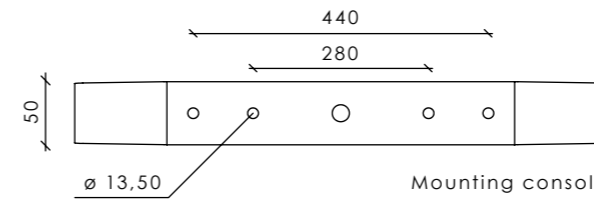
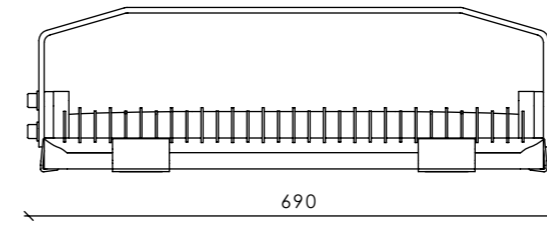
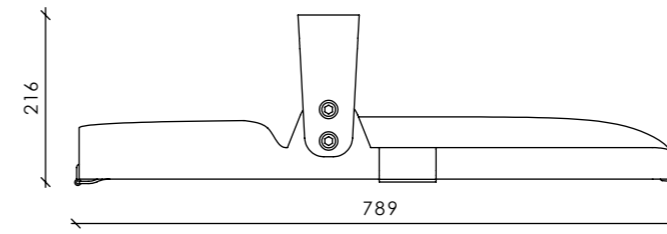
Die-cast aluminium clip for tool-less opening or closing, fixed to the frame with stainless steel spring for easy maintenance

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.



Mustang



Other colors available on request

Technical information



V 220 - 240
Hz 50 - 60
W 700
lm 34449 - 90540
lm/W 102 - 141
K 3000 / 4000 / 5000 / 5700
°C -40 to +50
CRI >70 / >80 ⁽¹⁾

1-10V; DALI; Midnight dimming
 Chromaticity tolerance (initial MacAdam): 5
 Warranty 5 years
 100 000 h (L90B10) at Ta = 25 °C ⁽³⁾

Surge protection: 6kV (L-N) and 10 kV (L/N -PE without DALI connection) ⁽²⁾

Console: Side-entry / Hanging / Post top
Body: Die-cast aluminum
Intelligent light control system: RF (radio frequency) / Power line

⁽¹⁾ Luminaries with color rendering index (CRI): Ra >90 on request
⁽²⁾ 10 kV (L-N; L/N-PE) surge protection device available on request
⁽³⁾ This value is only informative and may change according to selected article

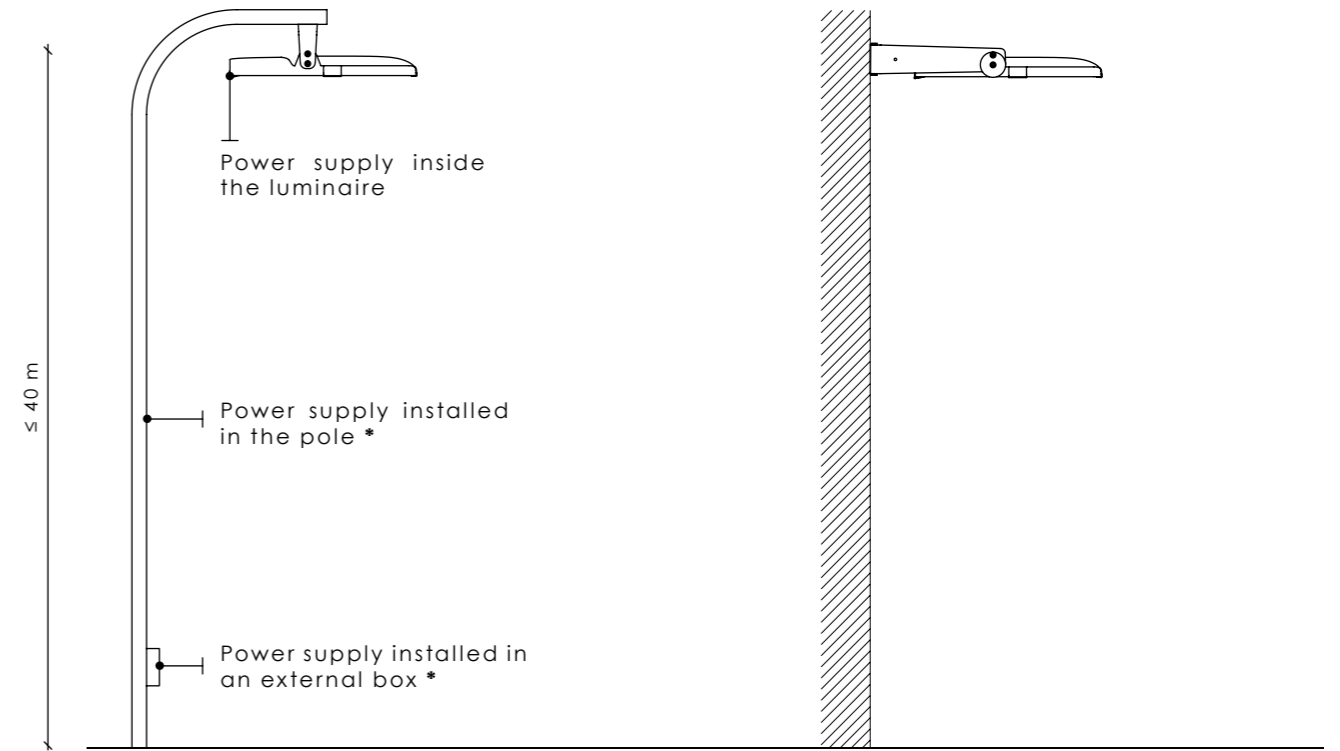
Custom modules
4000K

Number of LED's	72			96			
Nominal current, mA	350	500	700	350	430	520	580
Power, W	300	400	500	400	500	600	675
Luminous Flux, lm	34449	43792	51875	45820	55294	63654	69087
Efficacy, lm/W	114	109	103	114	110	106	102
Power factor, PF	0,97	0,98	0,99	0,97	0,98	0,99	0,99

Standard modules
4000K

Number of LED's	264			352		
Nominal current, mA	350	500	700	350	500	700
Power, W	275	390	525	365	518	700
Luminous Flux, lm	38740	52950	68070	51390	70310	90540
Efficacy, lm/W	141	136	130	141	136	129
Power factor, PF	0,96	0,97	0,98	0,96	0,97	0,98

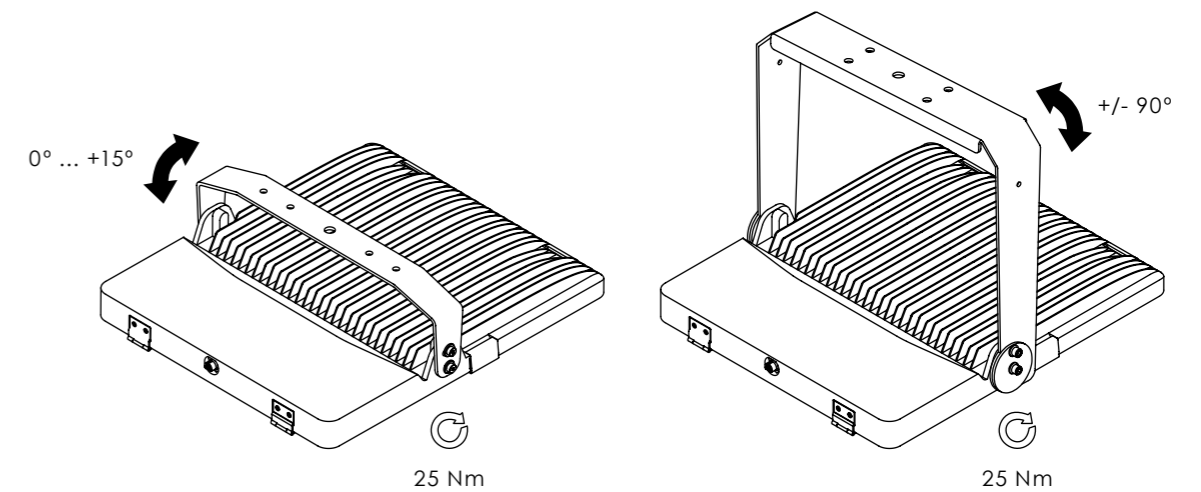
Console



Max. cable length between drivers and luminaire/LED modules: **50 m**

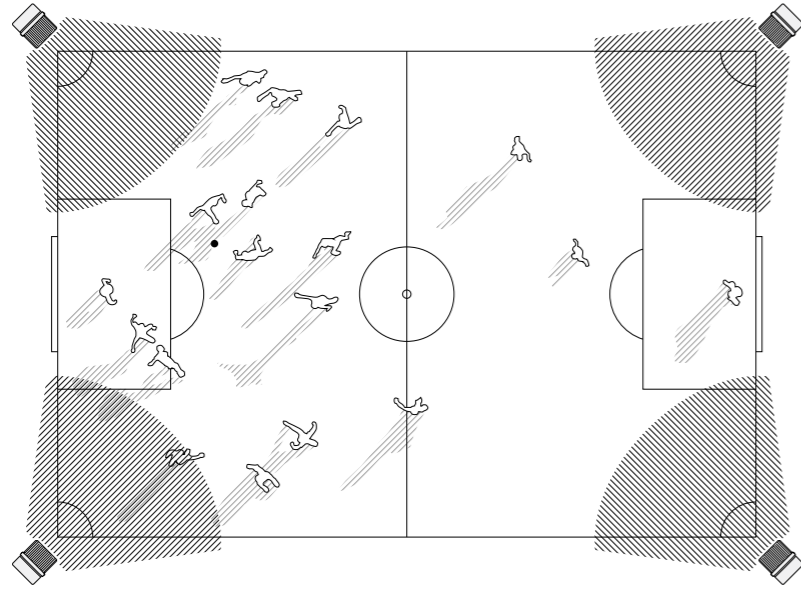
Min. conductor cross section area: **1.5 mm²**

* Luminaire to driver cable must be ordered from the accessories list

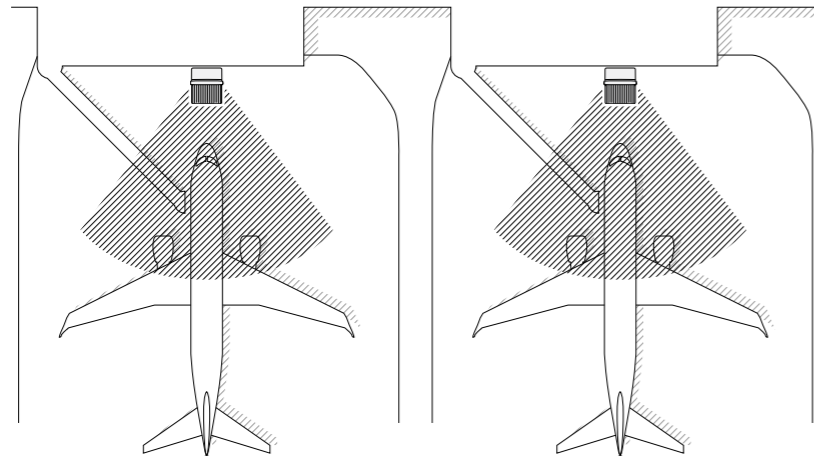


Application

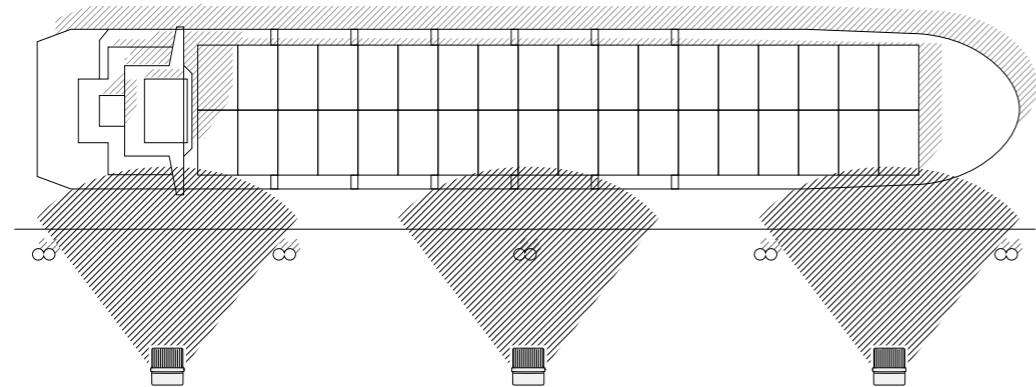
Sports lighting



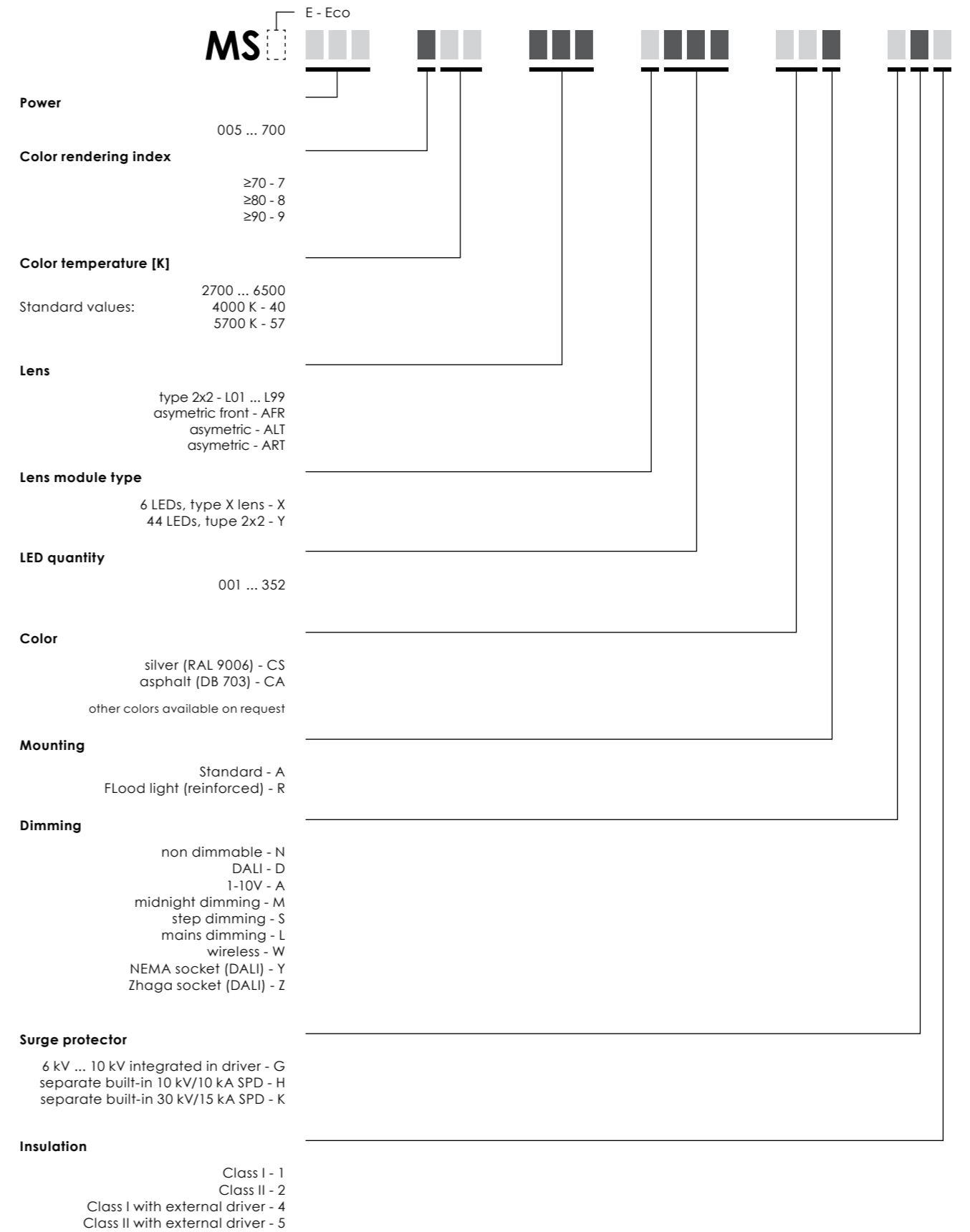
Airport infrastructure



Port infrastructure



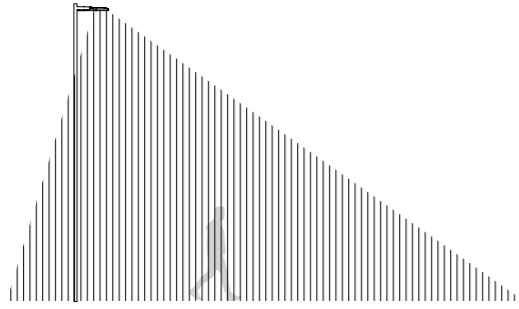
Model name principles



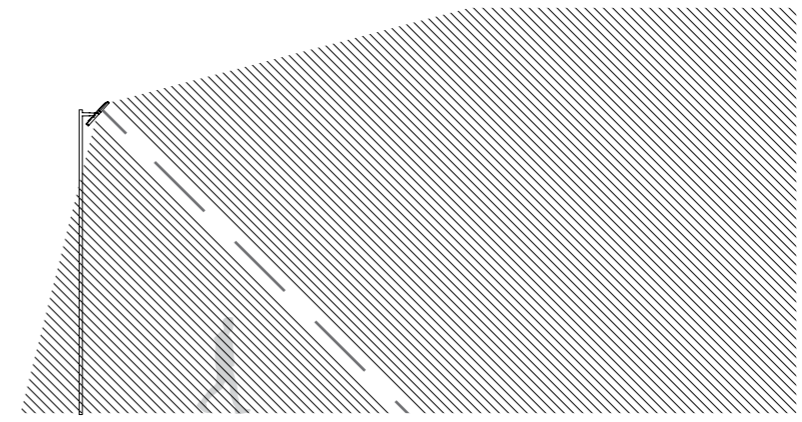
EXAMPLE MS 700 730 L01 Y352 SA DG1

Optics

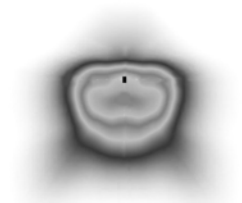
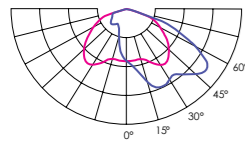
Asymmetric



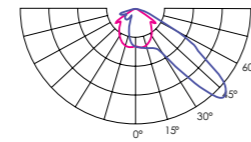
Symmetric



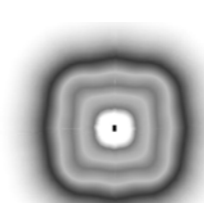
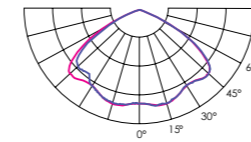
L 07



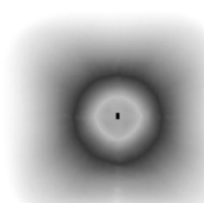
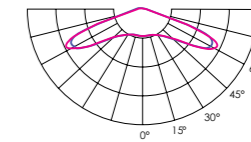
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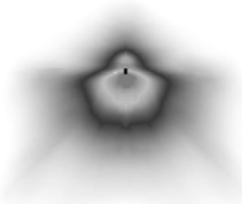
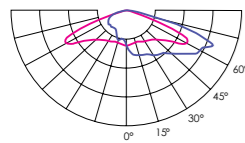
L 10



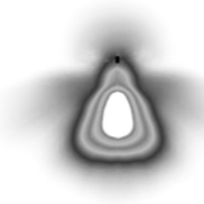
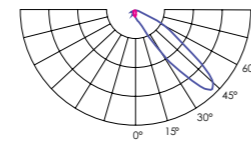
L 20



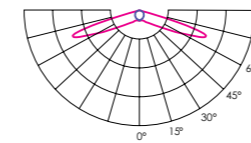
L 35



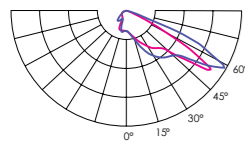
L 37



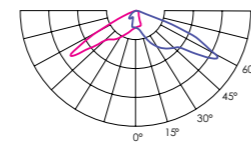
L 45



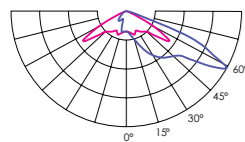
L 47



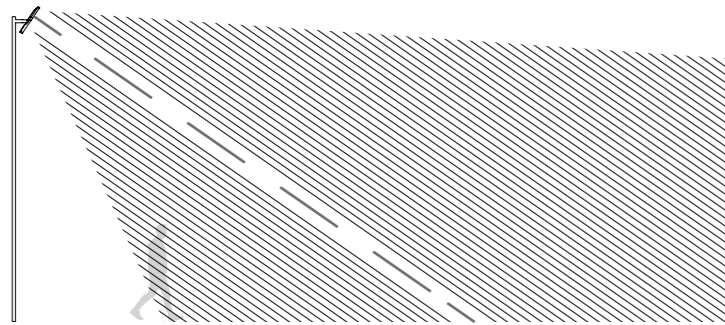
L 48



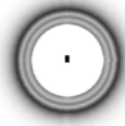
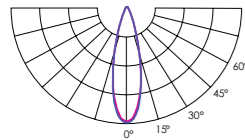
L 17



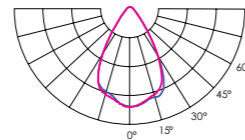
Rotosymmetric



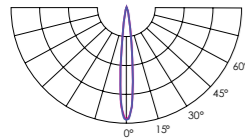
L 13



L 14



L 15



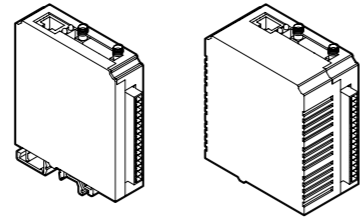
Courchevel |
France

Accessories

Citintelly Segment controller

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

Art. 70010004

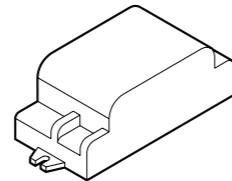


Citintelly Luminaire controller

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

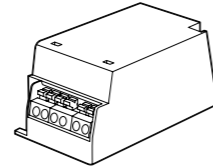
Art. 70010002 /
LC2M-12-05-R Luminaire
Controller - 1 relay



Citintelly Surge Protection device

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

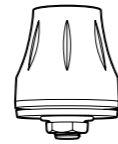
Art. 70020001



Radio Frequency Antenna

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

Art. 70000108

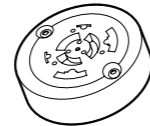


NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires
2213362-4, 7 pin NEMA socket 105°C wires

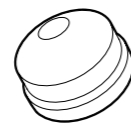
Art. 70000362

Art. 70000333



Dummy Link for NEMA Socket

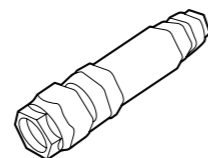
Art. 70000113



Connector

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

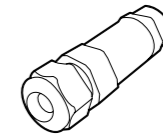
Art. 70000313



Connector

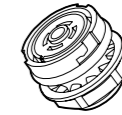
IP66 rated connector offers easy installation of the street luminaires.
5 wire cable connector

Art. 70000304



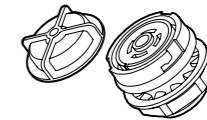
Zhaga socket no cap

Art. 70000612



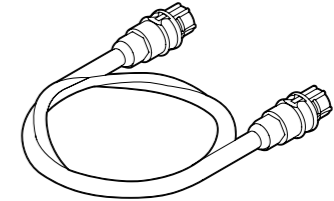
Zhaga socket with cap

Art. 70000613



Pre-installed cable sets For external power supply

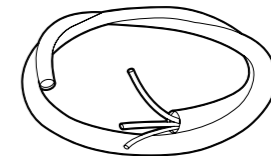
0,5 m long cable.....	Art. 70000436
5 m long cable.....	Art. 70000437
6 m long cable.....	Art. 70000438
8 m long cable.....	Art. 70000439
10 m long cable.....	Art. 70000440
12 m long cable.....	Art. 70000441
18 m long cable.....	Art. 70000442
20 m long cable.....	Art. 70000443
22 m long cable.....	Art.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



Pre-installed cable sets

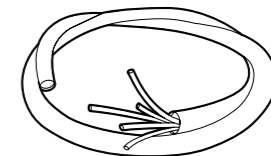
For internal power supply:

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



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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