

vizulo



MINI  
MARTIN



- | **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 screws

- | **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**

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

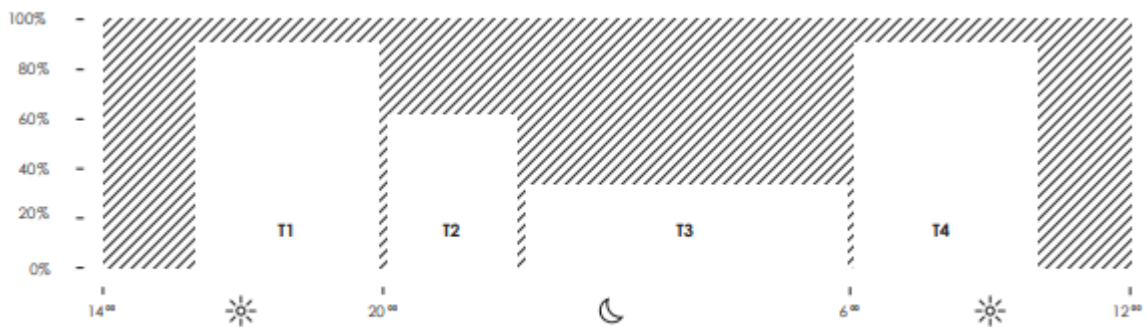
- | **Impact resistance**

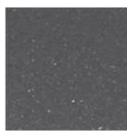
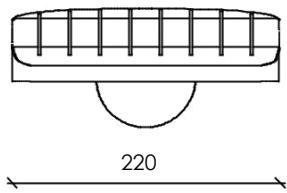
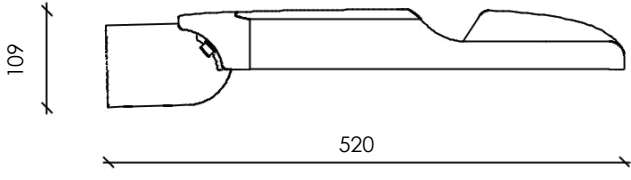
IK08 (Vandal protected) for the complete luminaire

- | Traffic roads
- Pedestrian Roads
- Residential Street/Area
- City Centre

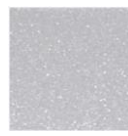
## Midnight dimming

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.



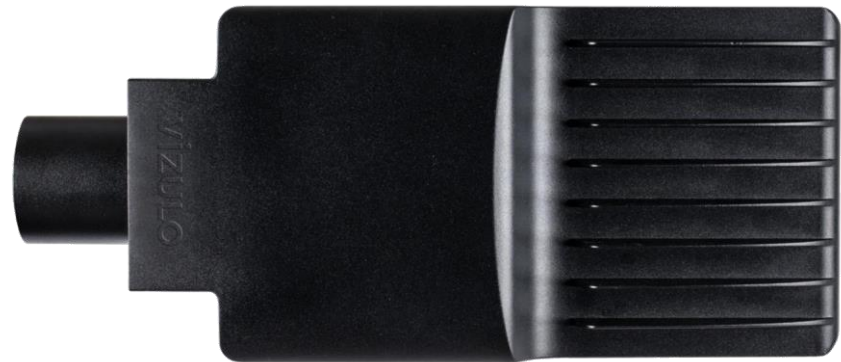


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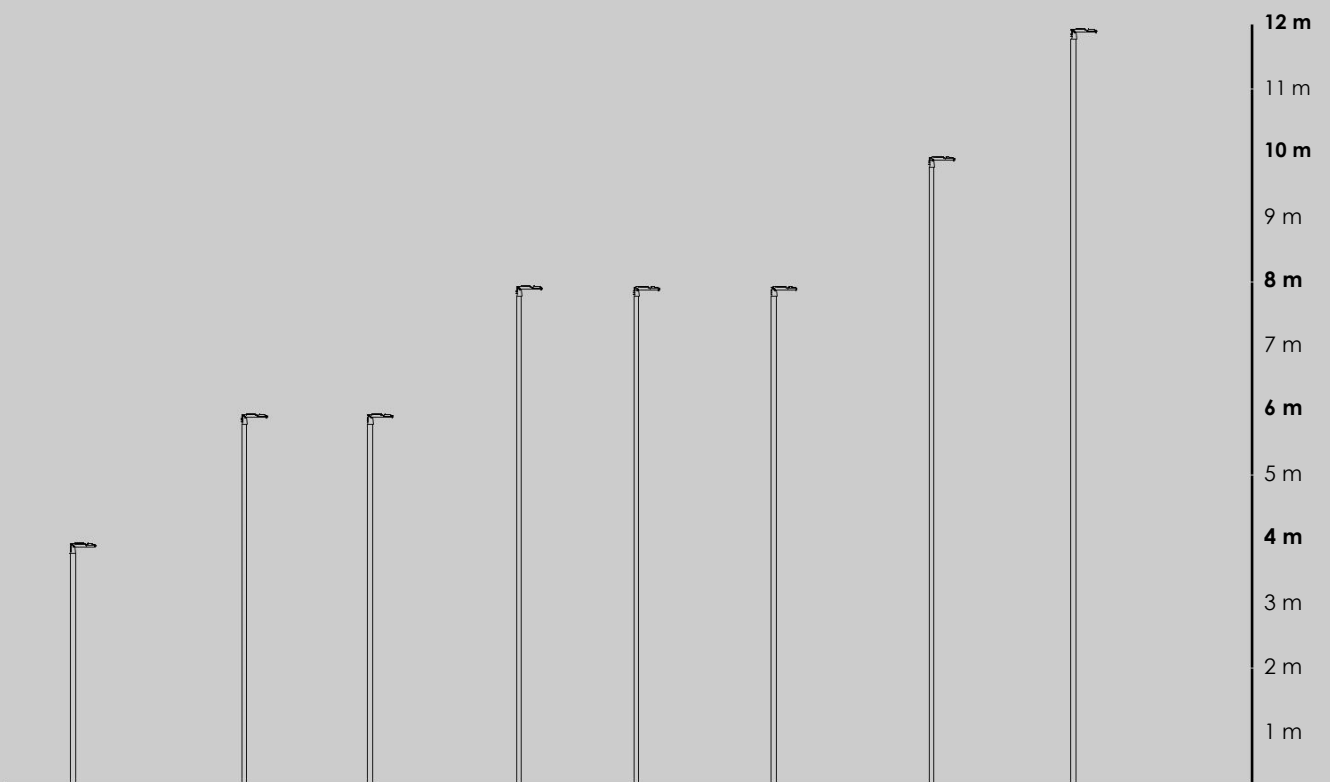


R A L 9 0 0 6

OTHER COLORS AVAILABLE ON REQUEST

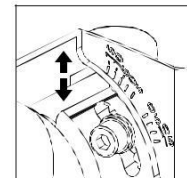
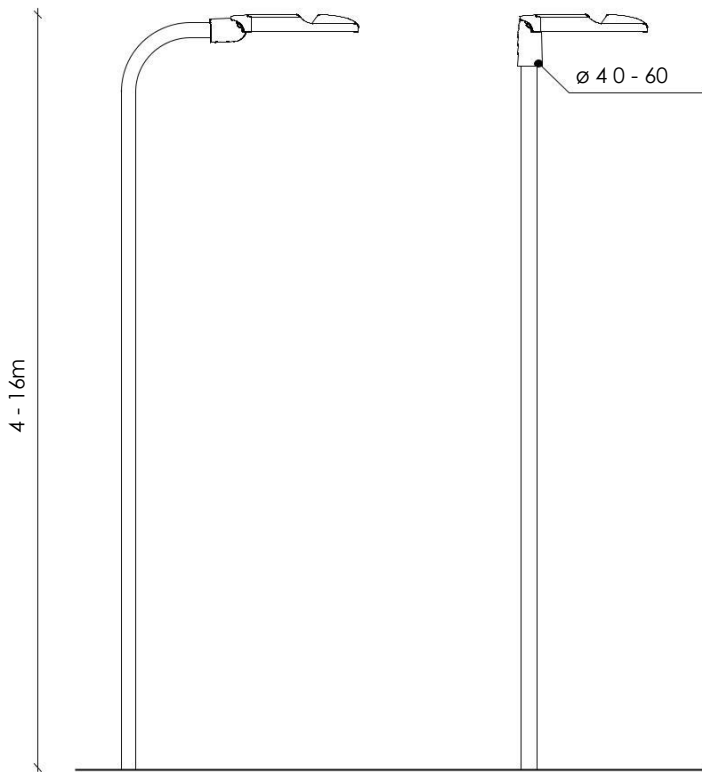


# | Pole height proposition

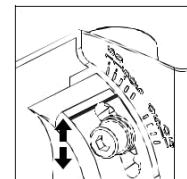


Pole height	4m	6 - 8 m	8 m	8 - 10 m	10 m	14 - 16 m
Standard modules	18 W	37 W	52 W			
High-power modules				78 W		
High-density modules		37 W		68 W	102 W	110 W

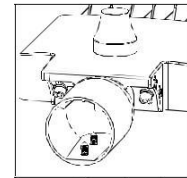
| Console



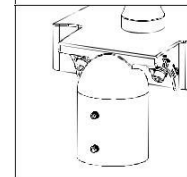
$\leq 0 \dots 15$



$\leq -15 \dots 0$



Horizontal  
entry

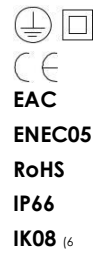


Vertical  
entry

## Technical information

### ECO

<b>V</b> 220 - 240	1-10V; DALI; Midnight dimming
<b>Hz</b> 50 - 60	Radio frequency / Power line <sup>13</sup>
<b>W</b> 37 - 280	Body: Die-cast aluminum
<b>lm</b> 5161 - 32786	Spigot: ø 40 -60, with accessories ø 32; ø 76
<b>lm/W</b> 121 - 148	Neto weight: 5,5 - 5,65 kg
<b>K</b> 3000 / 4000 <sup>11</sup>	10 kV <sup>14</sup>
<b>°C</b> -40 to +50	Warranty 5 years
<b>CRI</b> >70 <sup>12</sup>	100 000 h (L80B10C10) <sup>15</sup>
	Max.wind load area, SCd, m <sub>2</sub> : 0,036



MRSE 050 740 L22 A016 CSN DG1:

<b>Number of LED's</b>	16
<b>Nominal current, mA</b>	481
<b>Power, W</b>	50
<b>Luminous Flux, lm*</b>	6653
<b>Efficacy, lm/W</b>	133
<b>Power factor, PF</b>	0,93

<sup>1</sup> 5000; 5700 K available on request

<sup>2</sup> Luminaries with color rendering index (CRI): Ra > 80 is available according to customers special orders

<sup>3</sup> Optional. Available only with DALI ; 1 - 10 V

<sup>4</sup> 10 kV ( L-N; L/N-PE ) surge protection device available on request

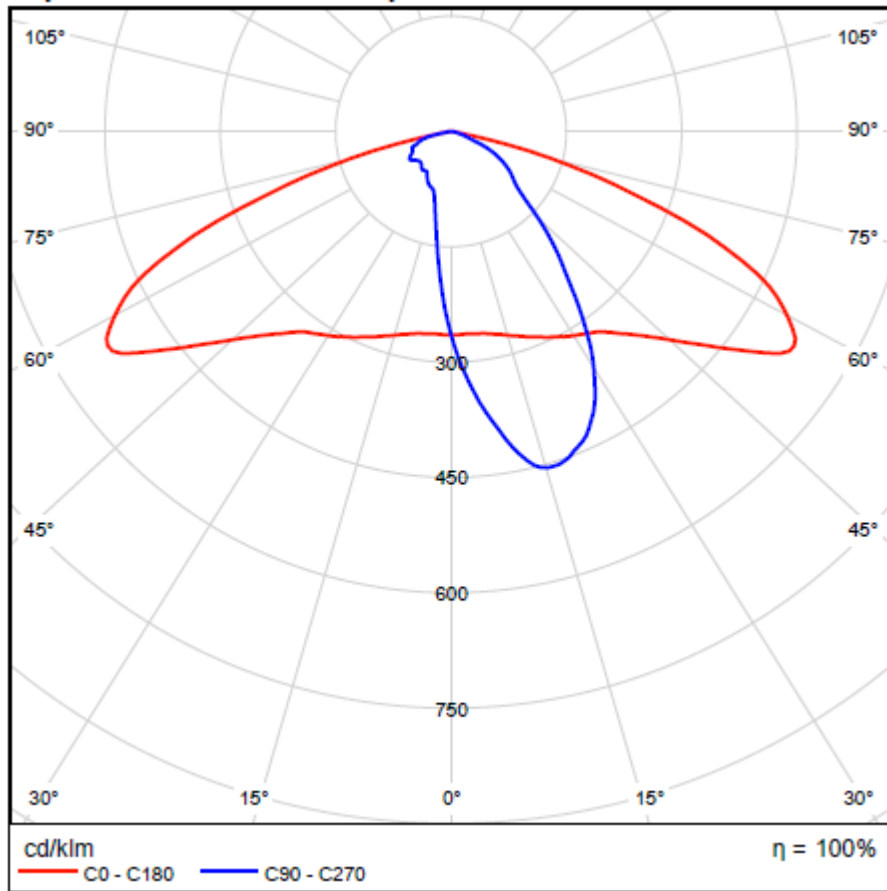
<sup>5</sup> at Ta=25°C, this value is only informative and may change according to selected article

<sup>6</sup> IK09 is available according to customers special orders

\* Preliminary data



# | Optic

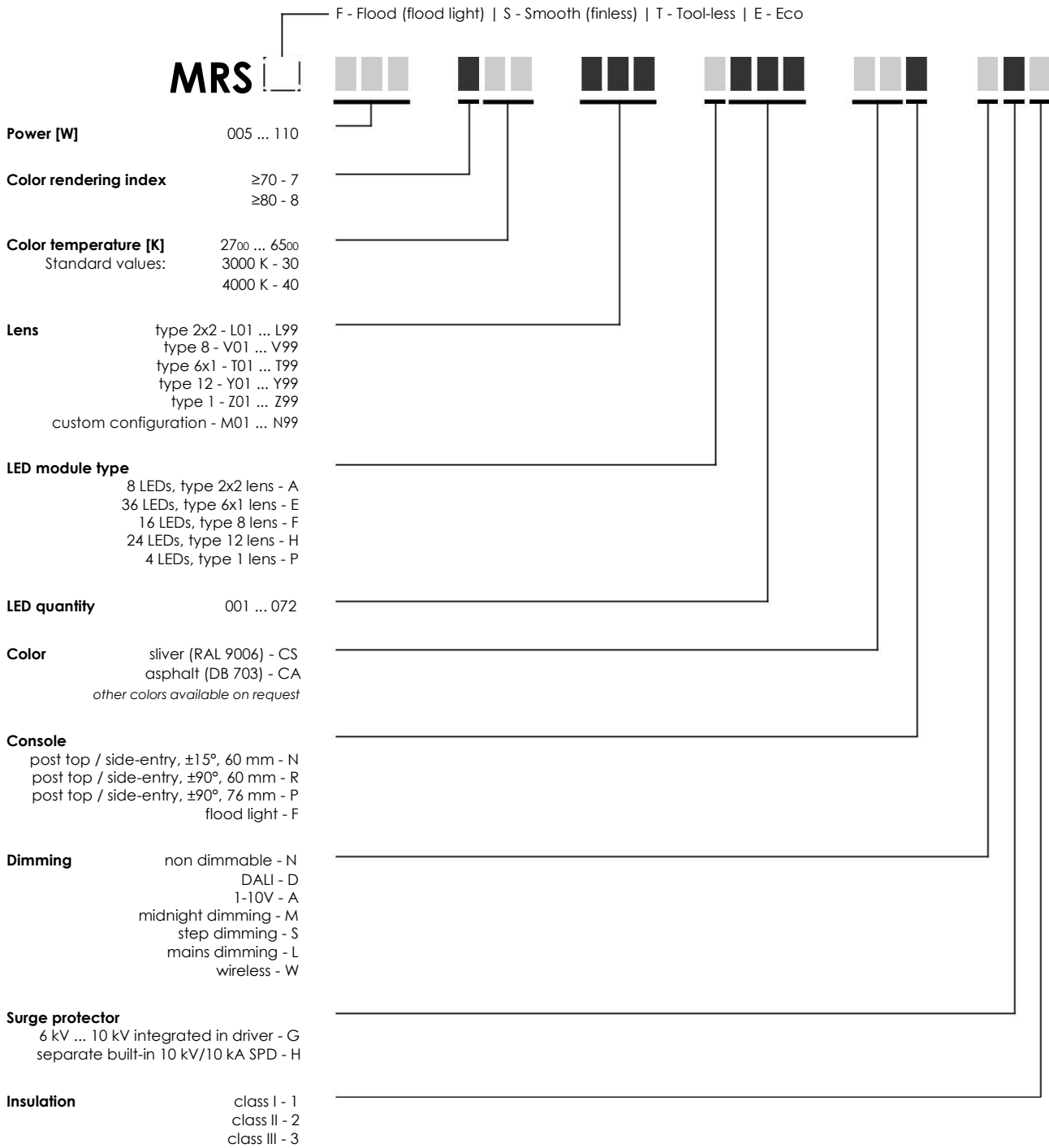


## | Logistic information

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 pallet size/cm L*W*H	Number of luminaires per row	Number of rows
54,5 x 23,5 x 16,5	1	11	25	70	120 x 80 x 177	7	10

	NETO WEIGHT/KG		BRUTO WEIGHT/KG	
	Per 1 pcs	Per pallet	Per 1 pcs	Per pallet
MINI MARTIN 1 module luminaires	5,5	385	6,1	427
MINI MARTIN 2 module luminaires	5,55	388,5	6,15	430,5
MINI MARTIN 3 module luminaires	5,6	392	6,2	434
MINI MARTIN 4 module luminaires	5,65	395,5	6,25	437,5

# Model name principles



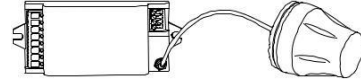
**EXAMPLE** MRSF 005 730 L99 A001 CSN NG1

## 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.

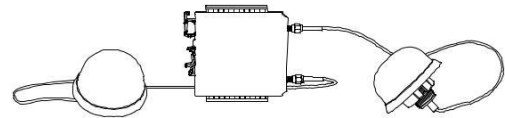
Art. 70010001 | Luminaire controller, 2 relay  
Art. 70010002 | Luminaire controller, 1 relay



### Citintelly Segment controller

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

Art. 70000101

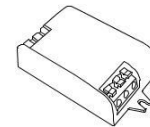


### Citintelly Surge Protection device

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

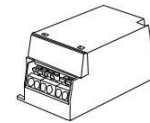


### Surge Protection device

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



### Connector

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

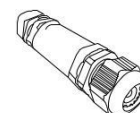
Art. 70000313



### Connector

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

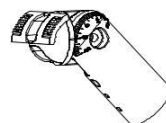
Art. 70000315



**Adjustable Console ±90°**

Spigot size 60 mm

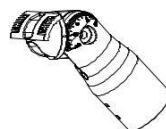
Art. 70055005



**Adjustable Console ±90°**

Spigot size 76 mm

Art. 70055006



**Console**

Spigot size 76 mm

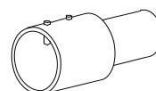
Art. 70044011



**Console adapter**

Spigot size 60 - 76 mm

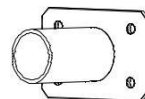
Art.70044002



**Wall mounting bracket**

Spigot size 40 - 60 mm

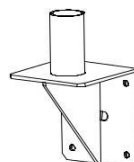
Art.70044001



**Wall mounting bracket**

Vertical

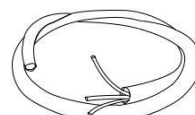
Art.70044004



**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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