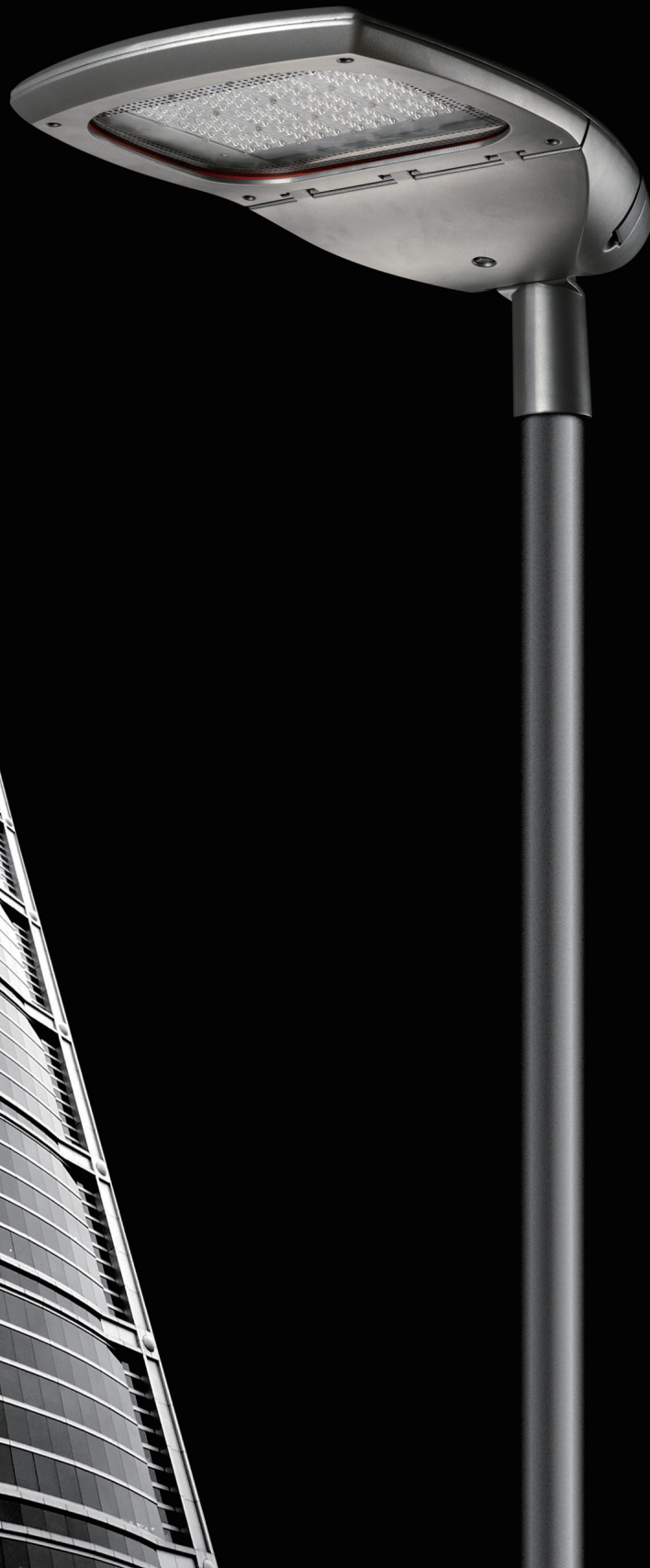


lux velocitas

lighting to the point





## LUXHYDD-LED10 SERIES

With simple and super-thin design, STAR looks very modern. With delicate structure of radiator, LUX is more powerful in heat sinking and can reach IP66. Multiple choose for installation, makes it more easy for different poles. Tool-free design makes it more convenient for install and maintenance. Moreover, LUX has wide wattage range from 30W to 280W, which makes it more applicable for different places.

### Key Advantage:

- ◇ 5 sizes for different wattage
- ◇ Super luminaire efficiency up to 150 lm/w
- ◇ 10 optics solutions, up to ME1
- ◇ Good Thermal control system to ensure long time
- ◇ Tool-free designing for easy installation and maintenance
- ◇ IP66 & IK09

### Application:

- ◇ Residential areas
- ◇ Road and street lighting
- ◇ High way, Airport, Parking place
- ◇ Pathway & Pedestrians
- ◇ Smart city option





HYDD-LED10 **L**



HYDD-LED10A **M**



HYDD-LED10C **S**



HYDD-LED10B **XS**



HYDD-LED10D **XXS**



# Product features



Cooling fins

Electrical connection CLASS II : Neutral /Phase are connected to safety switch; for Class I earth wire to be connected on earth stud in housing. 1-10V or DALI incoming wiring is connected to a separate termination block.

Gasket IP66 for complete luminaire .

Gear tray made in high thermal and mechanical resistance thermoplastic material (30% fibreglass), tool free removable after disconnecting the plug.

Gear with INVENTRONICS /OSRAM driver optional programmable, 1-10V or DALI. SPD and EMI as per request.

Fall protection



Mounting with two stainless steel M8 bolts(extra long bolts for small column can be ordered with luminaire).

Housing is made of very corrosion resistant die-cast aluminum. Polyester powder coated painting after chemical washing treatment.

Flat toughened glass to prevent upward light. Fixed to the frame with metal clips for easy replaceability. Very high light transmission to optimise the Light Output Ratio.

Closing clip made of very corrosion resistant die-cast aluminium, fixed to the frame with stainless steel spring, for easy and tool-less operation. Safe Maintenance Technology safety switch disconnects power on opening.

Spigot made of die-cast aluminium, standard in same color as body. Universal post top / side entry spigot for  $\phi$  60mm.

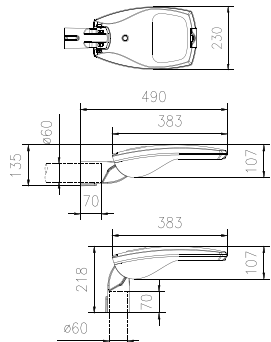
Level gauge

Cable connection M20 cable gland with strain relief, for cable  $\phi$  10-14mm.



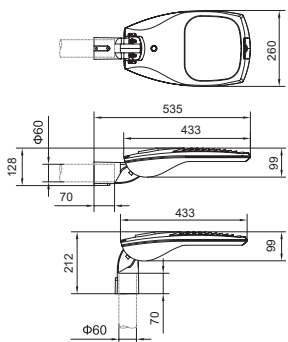
# Product Dimension

XXS



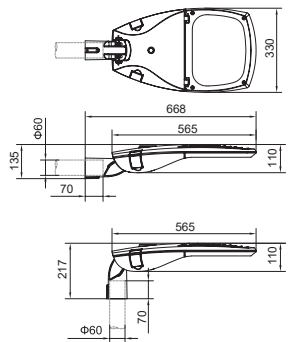
HYDD-LED10D

XS

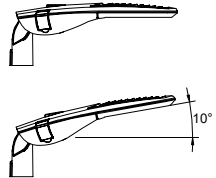
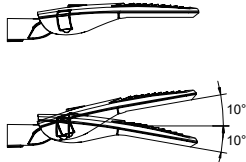
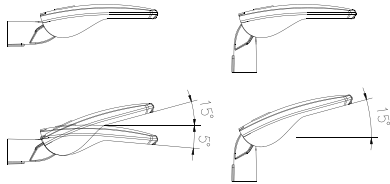


HYDD-LED10B

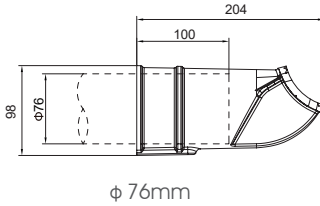
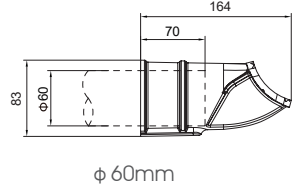
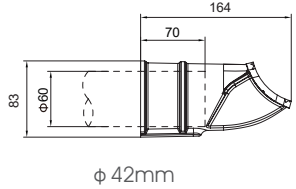
S



HYDD-LED10C

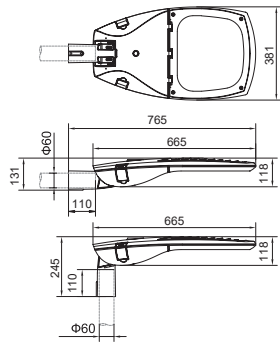


## POST TOP/SIDE ENTRE



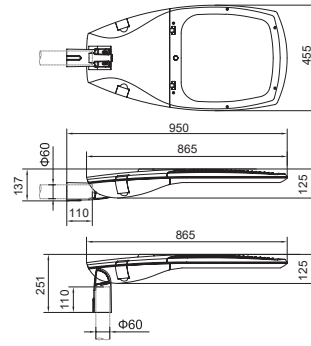
# Product Dimension

M

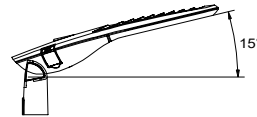
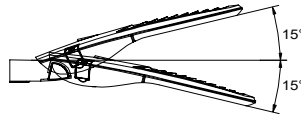


HYDD-LED10A

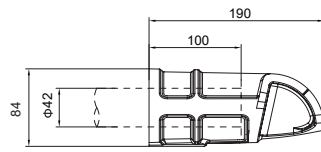
L



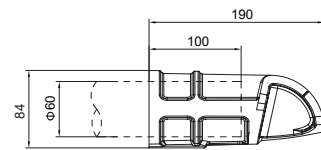
HYDD-LED10



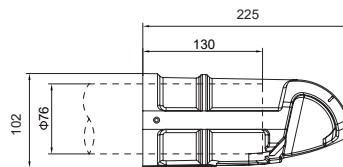
## POST TOP/SIDE ENTRE



φ 42mm



φ 60mm



φ 76mm



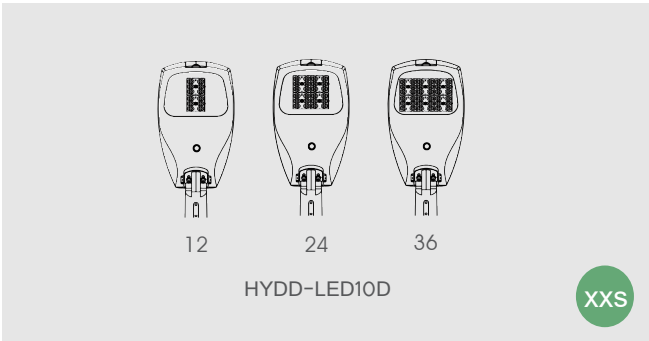
**MARKET-LEADING EFFICIENCY**

**LONG-LIFETIME AND DURABLE CONSTRUCTION**

**FULL CUTOFF LIGHT DISTRIBUTION (DARK SKY COMPLIANT)**

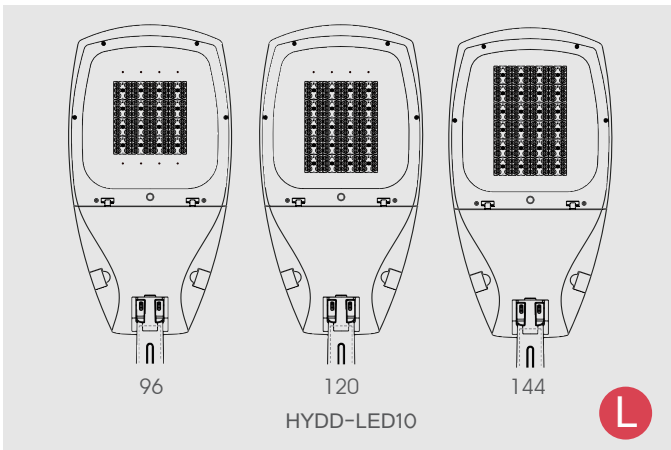
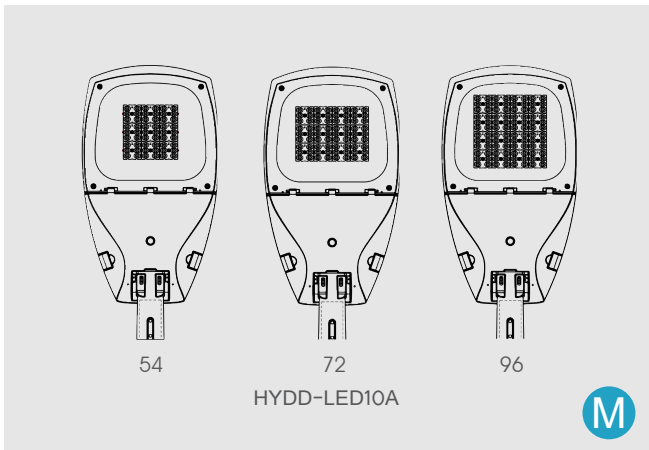
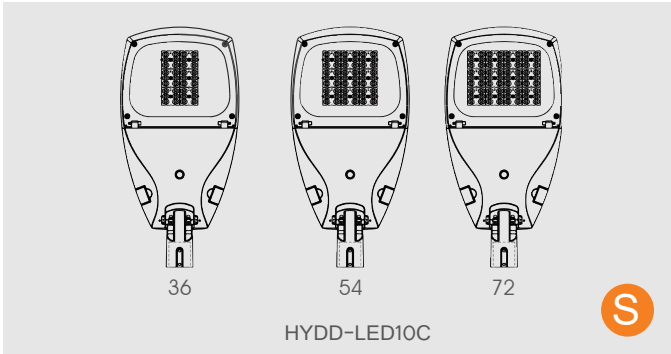
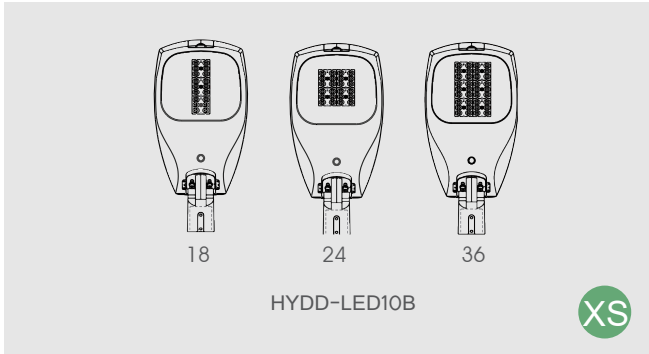
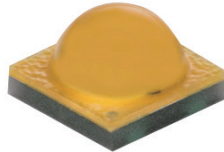
**EASY DEPLOYMENT AND TOOL-FREE MAINTENANCE ACCESS**





### Cree® XLamp® XT-E LEDs

Optimized for directional, high-lumen applications, from indoor and outdoor to portable and lamp retrofits



	LEDS	POWER (W) MIN/MAX	CREE XT-E MIN(lm)    MAX(lm)		L90B10 at 25°C IESNA TM-21-11	L70 at 25°C IESNA TM-21-11
XXS	12	10-30	1300	3300	> 100000hrs	> 100000hrs
	24	20-50	2600	5500	> 100000hrs	> 100000hrs
	36	30-50	3900	5500	> 100000hrs	> 100000hrs
XS	18	15-30	1950	3300	> 100000hrs	> 100000hrs
	24	20-50	2600	5500	> 100000hrs	> 100000hrs
	36	30-70	3900	7700	> 100000hrs	> 100000hrs
S	36	30-80	3900	8800	> 100000hrs	> 100000hrs
	54	50-100	6500	11000	> 100000hrs	> 100000hrs
	72	80-150	10400	16500	> 100000hrs	> 100000hrs
M	54	50-100	6500	11000	> 100000hrs	> 100000hrs
	72	70-150	9100	16500	> 100000hrs	> 100000hrs
	96	100-200	13000	22000	> 100000hrs	> 100000hrs
L	96	100-200	13000	22000	> 100000hrs	> 100000hrs
	120	120-240	15600	26400	> 100000hrs	> 100000hrs
	144	150-300	19500	33000	> 100000hrs	> 100000hrs

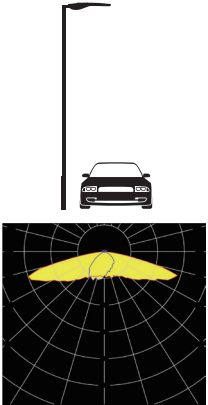
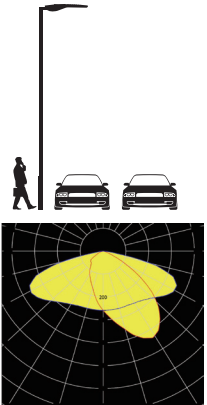
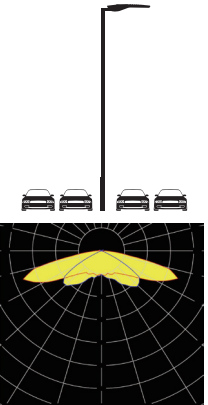
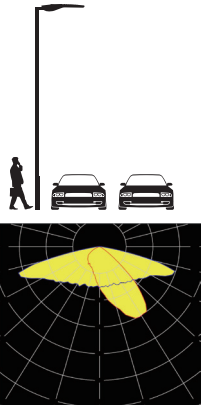
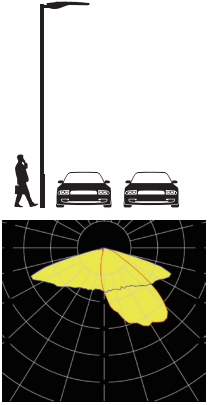
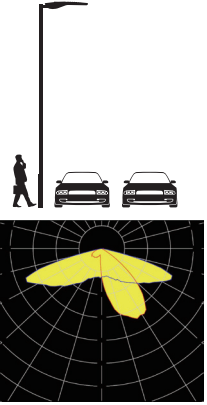
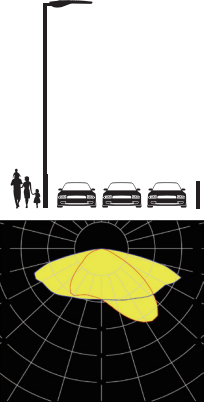
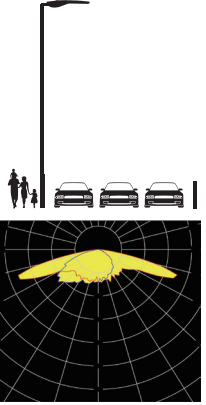
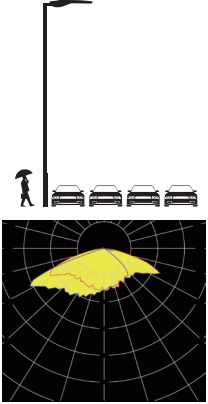



## Product features

PARAMETER	TECHNICAL DATA
Type	LUXHYDD SERIES
Light source	SMD LED Module
Color temperature	4000K as standard. Optional 2700K, 3000K & 5000K & 5700K. Amber LED available
Color stability	3 or 5 MacAdam steps for all standard LED colors
Color Rendering Index	>70 or >80 (neutral white and cool white)
Luminous Flux (led flux @ Ta=25C outdoor)	from 1800 to 45000 lm
Power	from 10W up to 350W
Luminaire efficiency	130-155 lm/W
Constant lumen output (CLO)	as requirement
Optics Material	PC
Optical Cover	Tempered Glass (5mm)
ULOR (%)	0% for flat glass versions
Spigot diameter	42 mm, 60 mm, 76 mm
Control inputs	DALI, 0-10V, Astro Dim, Step Dim
Electrical class	class I and class II (According to IEC-EN 60598)
Color	RAL7024 as standard (RAL or AKZO Future colors available)
IP rating	IP66
IK rating	IK09 (according to IEC - EN 62262)
Windage M <sup>2</sup>	XS 0.023 / S 0.048 / M 0.058 / L 0.088
Operating temperature range	-40°C < Ta ≤ 50°C
LED module thermal protection	yes
Driver thermal protection	yes
Surge protection	4kV (10kV available as an option)
Options	mini Photocell and NEMA socket, including cable
Certifications	CE CB ENEC(in certification)
Material	ADC12 / Lower copper contents

Street series 2X3

50 x 50 mm  
up to  
5050  
size  
LED  
packets  
For street and  
urban light

TYPE I -M	TYPE II -M A	TYPE II -M B	TYPE II -M C
			
TYPE II -M D	TYPE II -M E	TYPE III -L	TYPE III -M
			
TYPE IV -S			
			

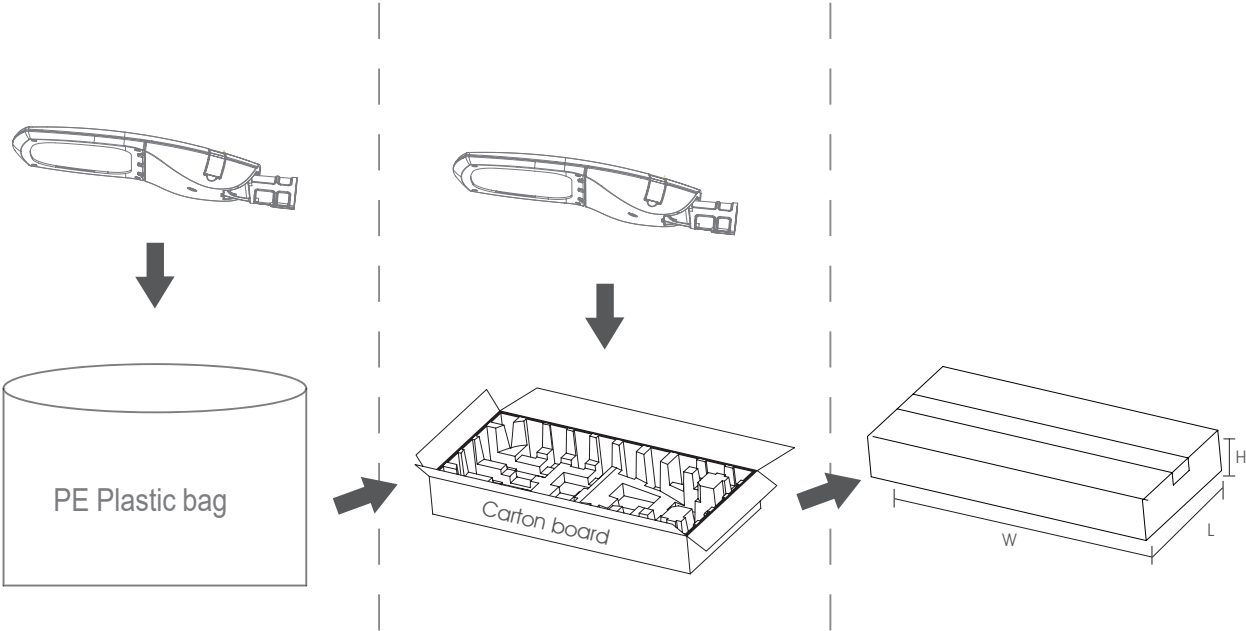
VERSION

RECOMMENDED MOUNTING  
HEIGHT (METERS)

LUXHYDD XXS	3-6M
LUXHYDD XS	3-6M
LUXHYDD S	4-8M
LUXHYDD M	6-12M
LUXHYDD L	12-15M



# Packing Information



Model	Carton Size (mm) L*W*H	QTY / Carton	N.W.(kg)	G.W.(kg)	QTY for Container 20FT	QTY for Container 40HQ
LUXHYDD-LED10D/30W	595*315*130	1	3.50	4.50	1150	2800
LUXHYDD-LED10B/60W	605*315*140	1	4.55	5.65	950	2400
LUXHYDD-LED10C/120W	735*390*130	1	7.60	9.00	700	1700
LUXHYDD-LED10A/150W	830*435*145	1	10.50	12.10	500	1200
LUXHYDD-LED10/280W	1010*500*155	1	15.10	18.00	305	900





### Surge Protection device

Surge Protection device offers protection against lightning 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



### Surge Protection device

Maximum Discharge Current ( $I_{max}$ ) 10kA, 8/20 $\mu$ s

- Meets ANSI C136.2 Enhanced Level 10kV/5kA, IEEE C62.41.2

Location Category C Low Exposure and US Dept. of Energy MSSLC Model Spec.

- Thermally Protected Varistor technology
- Parallel and Series Connected SPD Options
- IP66 Water-proof and Dust-proof



### Shorting Cap

Standard: ANSI C136.10-1996



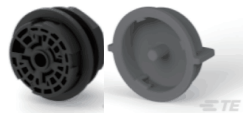
### Photocell

Standard: ANSIC136.10-2010



### Nema Socket

Standard: ANSI C136.10



### Zhaga Connector

- Contacts rating: 1.5A, 30V (24V typical)
- Meets 10kV dielectric withstand voltage to mounting surface
- 4 pole contacts
- Pin 1: 24Vdc
- Pin 2: DALI (or DALI based protocol) -/common ground
- Pin 3: DALI (or DALI based protocol) +
- Pin 4: General I/O



### Console adapter

Spigot size 60 - 76 mm



### Wall mounting bracket

Spigot size 40 - 60 mm



### Wall mounting bracket

Vertical



### Microwave Motion Sensor

Detailed Product Description

Operating Voltage: 120-277Vac, 50/60Hz

HF System: 5.8GHz  $\pm$  75MHz, ISM Wave Band

IP Rating: IP65

Rated Load: 120Vac 4A Electronic/magnetic Ballast  
277Vac 3A Electronic/magnetic Ballast

Operation Temperature: -25°C ~ 55°C

Function: 2 Step / 3 Step Dimming/ On Off Function

Mounting Height: 6-15m

Cover Color: Blank Or White

Hold Time: 5s/30s/1min/3min/5min/10min/20min/30min



### Connector

10m cable with IP66 rated connector offers easy installation of the street luminaires.

3 wire cable connector



### Pre-installed cable sets

Pre-installed cables sets in the luminaire

Diameter of the cable:

3 x 1,5 mm - 0,5 m length

3 x 1,5 mm - 5 m length

3 x 1,5 mm - 6 m length

3 x 1,5 mm - 8 m length

3 x 1,5 mm - 10 m length

3 x 1,5 mm - 12 m length

3 x 1,5 mm - 18 m length



### Pre-installed cable sets

Pre-installed cables sets in the luminaire

Diameter of the cable:

5 x 1,5 mm - 0,5 m length

5 x 1,5 mm - 5 m length

5 x 1,5 mm - 6 m length

5 x 1,5 mm - 8 m length

5 x 1,5 mm - 10 m length

5 x 1,5 mm - 12 m length

5 x 1,5 mm - 18 m length