

## TECHNICAL DESCRIPTION



IS 10322  
(Part 5/Sec 3):2012



### DIMENSIONS



Model	Wattages (W)	Dimensions H x W (mm)
CAIRO MINI	60W	573 x 194
	75W	
CAIRO MIDI	90W	641 x 241
	120W	
CAIRO MAXI	150W	718 x 284
	180W	
	200W	

### APPLICATIONS

- Highways and Main Road Lighting
- Parking lots and Area Lighting
- City Roads

### DESCRIPTION (Tender text)

LED Street light luminaire (IP66), BIS certified with a flat toughened glass protector (IK08) screen printed/reflector for enhanced aesthetics and better light control, body of high pressure die cast aluminium, with a control gear cover designed for tool free opening and closing.

Several optical options providing excellent photometry to optimally cater to all kinds of road configurations.

Suitable for both horizontal and vertical mounting for 60mm diameter pipe with an adjustable bracket. Separate optical and control gear compartment. Provision for installation of NEMA socket and pre-cabled as required.

Overall luminous efficiency of 130lm/W at correlated colour temperature (CCT) of 5700K (optional 3000K & 4000K), colour rendering index (CRI) >70 and L70 rated lifetime of 50,000 hours. Electrical Class I, rated voltage 240Vac, Power Factor ≥ 0.95, with BIS certified potted driver having internal surge protection of 4/4 kV and an additional surge protection device (SPD) of 10/10 kV (in both Common & Differential Modes).

### CHARACTERISTICS

- Perfectly designed heat sinks for higher wattages and better heat dissipation
- Operating Voltage Range: 240Vac
- Surge Protection Device: Standard 10kV or optional 20kV SPD
- Ø60mm adjustable adaptor suitable for horizontal & vertical mounting
- Mounting with different degrees of Inclination
- Separate optical and control gear compartment
- Option of NEMA socket for smart lighting
- IK08
- IP66

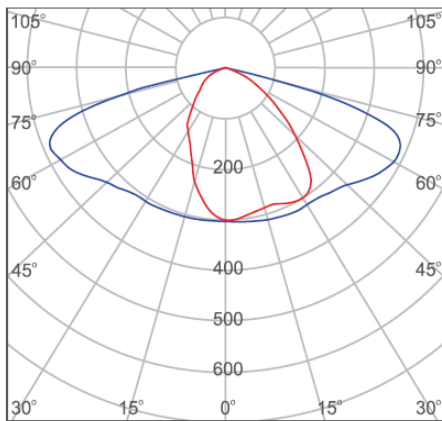
**PHOTOMETRY**

Catalogue Reference	Wattage (W)	CCT (K)	CRI	System Efficacy (Lm/W)
CAIRO 60W	60W	5700	> 70	130
CAIRO 75W	75W	5700	> 70	130
CAIRO 90W	90W	5700	> 70	130
CAIRO 120W	120W	5700	> 70	130
CAIRO 150W	150W	5700	> 70	130
CAIRO 180W	180W	5700	> 70	130
CAIRO 200W	200W	5700	> 70	130

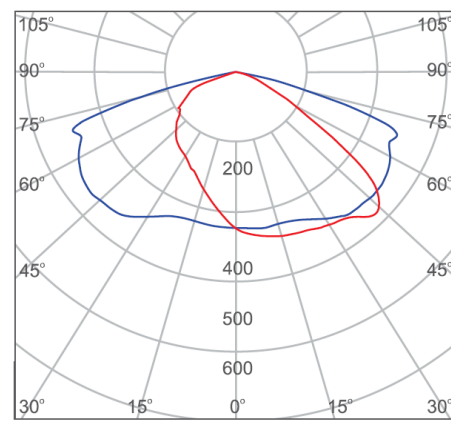
- The system efficacy & power consumption (wattage) of the luminaire are the values at 25°C ambient temperature, as initially tested and are dependent on environmental conditions, like temperature and may vary with specific configurations. Efficacy values are subject to ±5% tolerance at rated voltage.
- Data subjected to change as we keep on adopting latest technologies to keep in sync with market, please consult us.
- Products for special application are also available, Please contact us for details.

**Light Distributions**

- Several optical options providing excellent photometry to optimally cater to different applications.
- It can cover larger area with increased pole span & reduced number of luminaires.



Cd/klm  
— C0 - C180 — C90 - C270



Cd/klm  
— C0 - C180 — C90 - C270

**KESELEC ORDERING CODE (KOC)**

**EXAMPLE: CA-200-57-R0-E9-AS-O4-P1-D0-S4-C1-T1-F1-L14**

