

Electrical characteristics

- LED voltage: 49 V.
- Electrical class: I & II.
- Standard electrical shock resistance: 6/10 kV (diff/comm).

LED characteristics

- Type: CMS.
- Luminous flux maintenance: L90 B10 100 000 hrs.
- 4000/3000K/2700: CRI >70 - 2200K: CRI >80.
- Photobiological hazard: RG1.

Powers and luminous intensities

2200K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	2887	154	19	1516	80	26	2079	80	E

2700K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	3351	179	19	1759	93	26	2413	93	D

3000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
8	1760	179	10	925	93	14	1267	91	D
16	3520	189	19	1850	98	26	2534	98	D

4000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
8	1860	189	10	976	98	14	1339	96	D
16	3720	199	19	1951	103	26	2678	103	D

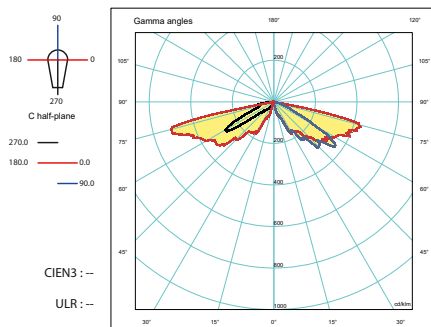
(1) Maximum LED flux at operating temperature including driver consumption.

(2) Actual luminaire output data at operating temperature including driver consumption, optical accessories. A tolerance on the data is allowed in accordance with IEC 62717 and IEC 62722.

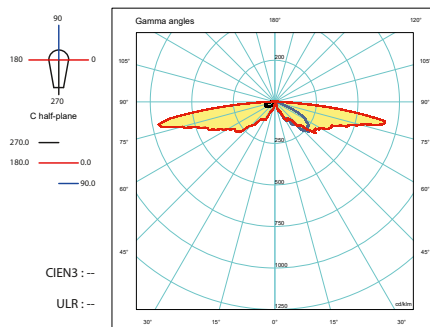
Photometric distributions

ASYMMETRICAL ROAD LIGHTING

ASY11 KARO



ASY13 KARO



CIRCULAR

CIR06 KARO

