

Electrical characteristics

- Power current up to 1050mA.
- Voltage range: from 42 V to 190 V.
- Electrical class: I & II.
- Varistor (protection against surges).
- Optional surge protector or over/under voltage protection systems.
- Standard electrical shock resistance: 6/10 kV (diff/comm).

LED characteristics

- Type: CMS.
- Luminous flux maintenance: L90 B10 100 000 hrs.
- 3000K/4000K/5700K/2700K: CRI >70 - 2200K: CRI >80 - Amber, no CRI.
- ULR 0% (ULR: Upward Light Ratio).
- Photobiological hazard: RG1.

Powers and luminous intensities

1700K (Amber) Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA		
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾
16	4375	109	17	1574	93	24	2154	90	35	2883	83	53	4043	77
32	8750	113	33	3149	96	47	4308	92	66	5766	88	102	8085	80
48	9360	114	49	4723	97	70	6462	93	98	8649	89	-	-	-
64	9324	117	63	6298	100	91	8615	95	-	-	-	-	-	-

2200K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	4940	110	19	1774	94	26	2435	94	36	3262	91	53	4565	87	E
32	9880	119	35	3548	102	49	4869	100	69	6523	95	105	9129	87	E
48	10590	123	51	5322	105	73	7304	101	103	9785	95	-	-	-	E
64	10540	123	68	7096	105	96	9739	102	-	-	-	-	-	-	E

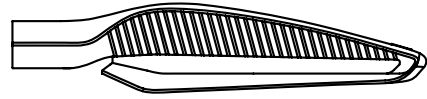
2700K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	6099	136	19	2196	116	26	3011	116	36	4030	112	53	5635	107	E
32	12197	147	35	4393	126	49	6023	123	69	8060	117	105	11270	108	E
48	13085	153	51	6589	130	73	9034	124	103	12091	118	-	-	-	E
64	13036	153	68	8785	130	96	12045	126	-	-	-	-	-	-	E

3000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	6600	147	19	2375	125	26	3257	126	36	4361	122	53	6098	116	D
32	13200	159	35	4749	136	49	6514	133	69	8723	127	105	12197	117	D
48	14160	165	51	7124	140	73	9771	134	103	13084	128	-	-	-	D
64	14100	165	68	9499	140	96	13028	136	-	-	-	-	-	-	D

4000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	6965	156	19	2504	132	26	3437	133	36	4602	128	53	6436	122	D
32	13930	169	35	5008	144	49	6875	141	69	9203	134	105	12871	123	D
48	14940	173	51	7512	148	73	10312	142	103	13805	135	-	-	-	D
64	14880	173	68	10016	148	96	13749	144	-	-	-	-	-	-	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.



Powers and luminous intensities

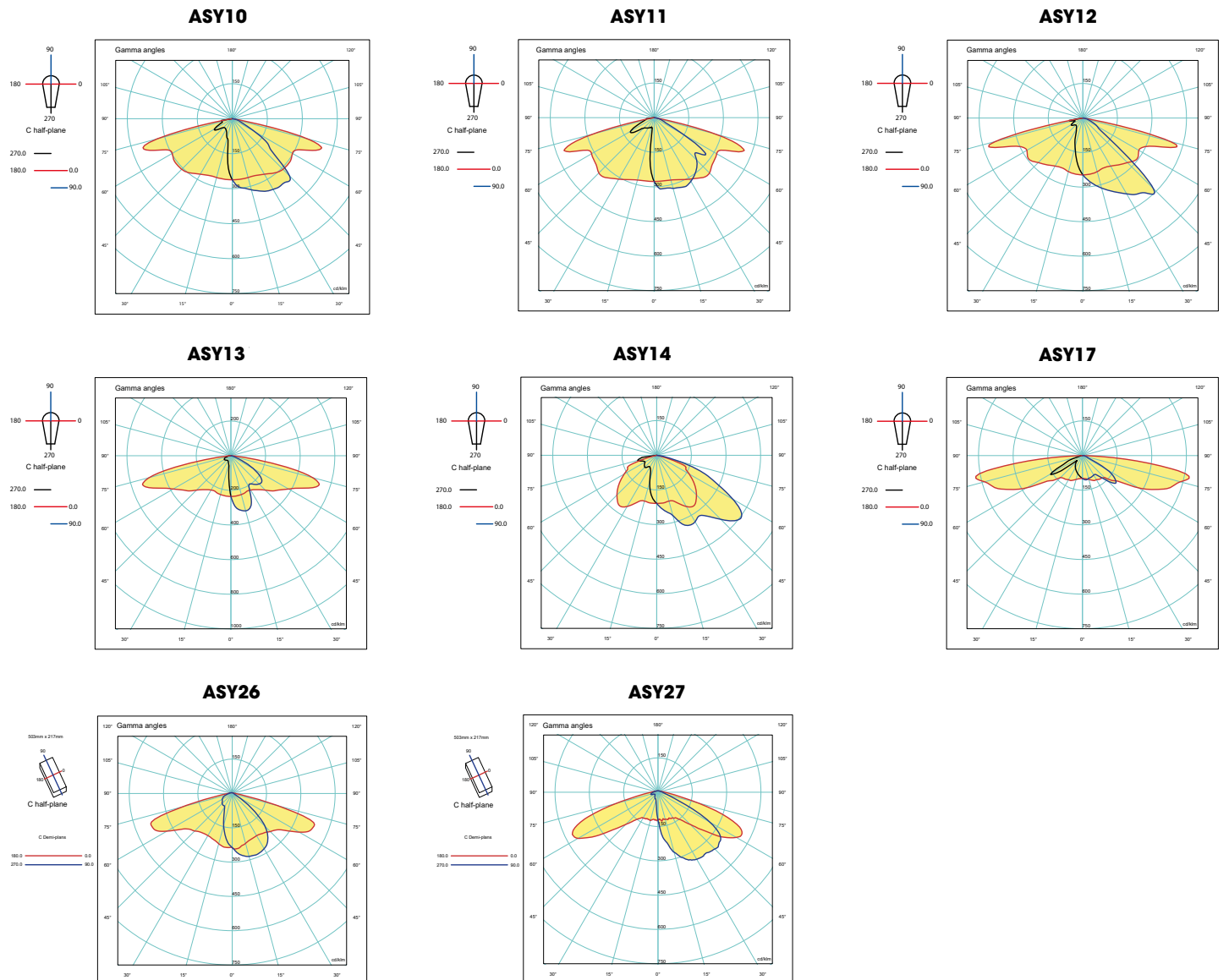
5700K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	6600	147	19	2375	125	26	3257	126	36	4361	122	53	6098	116	C
32	13200	159	35	4749	136	49	6514	133	69	8723	127	105	12197	117	C
48	14160	165	51	7124	140	73	9771	134	103	13084	128	-	-	-	C
64	14100	165	68	9499	140	96	13028	136	-	-	-	-	-	-	C

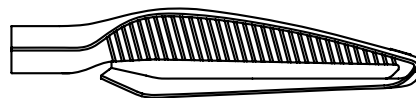
(1) Maximum LED flux at operating temperature including driver consumption.

(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

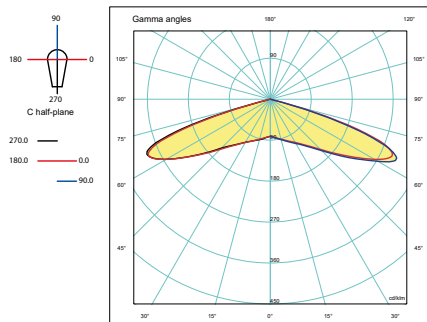




Photometric distributions

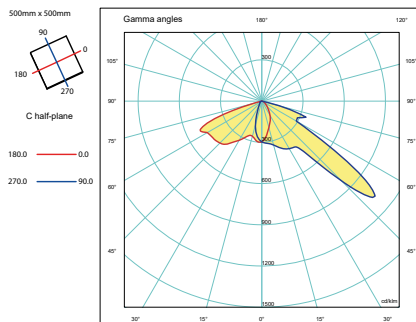
CIRCULAR

CIR06

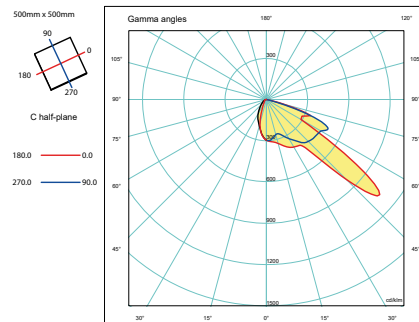


PEDESTRIAN CROSSING

PC02 45G



PC02 45D



SYMMETRICAL

SYM02

