

Electrical characteristics

- Power current up to 1050mA.
- Voltage range: from 21 V to 95 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			700mA			1050mA		
			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

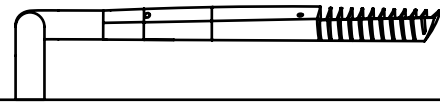
2200K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700mA			1050mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
8	2787	115	10	972	98	14	1333	96	19	1811	96	28	2575	92	E
12	4181	118	15	1458	98	20	2000	100	27	2717	101	41	3863	95	E
16	4940	110	19	1774	94	26	2435	94	36	3262	91	53	4565	87	E
24	8362	128	27	2917	109	38	4001	106	52	5433	105	79	7726	98	E
32	9880	119	35	3548	102	49	4869	100	69	6523	95	105	9129	87	E

2700K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700mA			1050mA			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⁾	
8	3235	132	10	1128	113	14	1548	111	19	2102	111	28	2989	107	D
12	4577	132	15	1645	110	20	2256	113	27	3021	112	41	4229	104	E
16	6099	136	19	2196	116	26	3011	116	36	4030	112	53	5635	107	E
24	9153	143	27	3289	122	38	4512	119	52	6043	117	79	8457	108	E
32	12197	147	35	4393	126	49	6023	123	69	8060	117	105	11270	108	E

3000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700mA			1050mA			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⁾	
8	3300	140	10	1187	119	14	1626	117	19	2181	115	28	3049	109	D
12	4950	144	15	1779	119	20	2444	123	27	3271	122	41	4574	112	D
16	6600	147	19	2375	125	26	3257	126	36	4361	122	53	6098	116	D
24	9900	155	27	3557	132	38	4888	129	52	6542	126	79	9148	116	D
32	13200	159	35	4749	136	49	6514	133	69	8723	127	105	12197	117	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

4000K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700mA			1050mA			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⁾	
8	3485	147	10	1252	126	14	1719	123	19	2301	122	28	3220	115	D
12	5225	152	15	1880	126	20	2578	129	27	3451	128	41	4828	118	D
16	6965	156	19	2504	132	26	3437	133	36	4602	128	53	6436	122	D
24	10450	165	27	3761	140	38	5156	136	52	6902	133	79	9656	123	D
32	13930	169	35	5008	144	49	6875	141	69	9203	134	105	12871	123	D

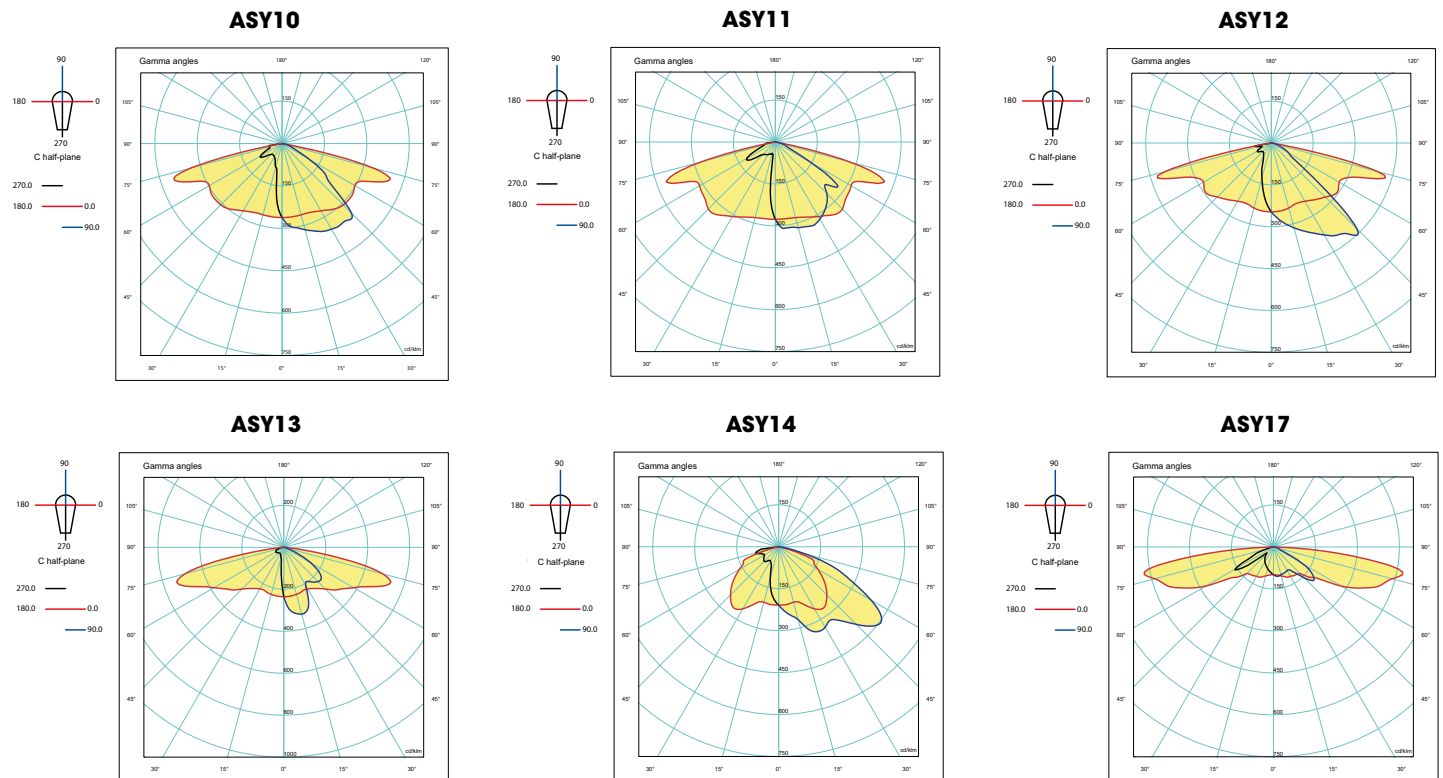
5700K Number of LED	Nominal flux ⁽¹⁾ (lm)	Nominal eff. ⁽¹⁾ (lm/W)	350 mA			500 mA			700mA			1050mA			Energy efficiency class
			P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	P _t (W) ⁽²⁾	Φ (lm) ⁽²⁾	(lm/W) ⁽²⁾	
16	6600	147	19	2375	125	26	3257	126	36	4361	122	53	6098	116	C
32	13200	159	35	4749	136	49	6514	133	69	8723	127	105	12197	117	C

(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

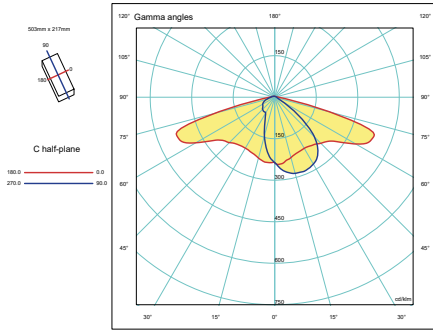




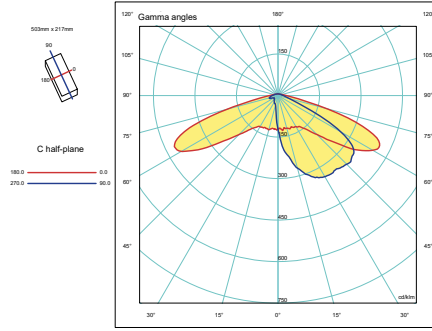
Photometric distributions

ASYMMETRICAL ROAD LIGHTING

ASY26

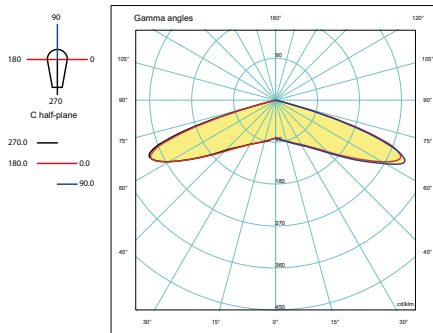


ASY27



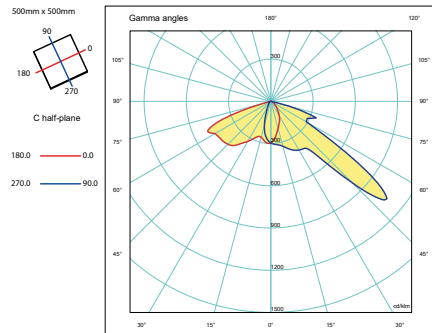
CIRCULAR

CIR06

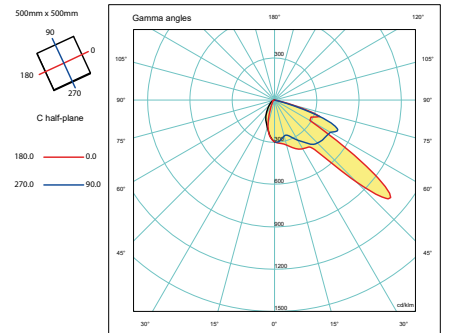


PEDESTRIAN CROSSING

PC02 45G



PC02 45D



SYMMETRICAL

SYM02

