

### Electrical characteristics

- Power current up to 1050 mA.
- Voltage range: from 43 V to 151 V.
- Electrical class: I or II.
- Varistor (protection against power 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.
- CRI > 70.
- ULR 0% (ULR: Upward Light Ratio).
- Photobiological hazard: RG1.

### Powers and luminous intensities

		2700K Number of LED	Nominal flux <sup>(1)</sup> (lm)	Nominal eff. <sup>(1)</sup> (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class	
					P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>		
S	XS	8	3694	171	10	1148	115	14	1584	114	19	2065	109	28	3029	109	D	
		12	5541	188	14	1721	123	19	2376	126	27	3097	115	42	4544	109	D	
	M	XS	16	7388	190	18	2295	128	26	3168	122	36	4130	115	55	6058	111	D
		M	24	11082	170	27	3879	144	37	5356	145	50	6980	140	83	10240	124	D
			32	14776	173	35	5173	148	49	7142	146	67	9306	139	110	13653	125	D
			48	27953	166	103	13733	134	151	19142	127	215	25829	121	-	-	-	E
L	72	41931	168	154	20600	134	226	28711	128	322	38744	121	-	-	-	E		
		3000K Number of LED	Nominal flux <sup>(1)</sup> (lm)	Nominal eff. <sup>(1)</sup> (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class	
		P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>		
S	XS	8	3373	180	10	1201	121	14	1647	118	19	2146	113	28	2766	99	D	
		12	5059	194	14	1789	128	19	2470	130	27	3219	120	40	4148	104	D	
	M	XS	16	6745	199	18	2402	134	26	3293	127	36	4292	120	53	5531	105	D
		M	24	10118	176	27	4032	150	37	5566	151	50	7253	146	78	9349	120	D
			32	13491	181	35	5376	154	49	7422	152	67	9672	145	105	12466	119	D
			48	29612	175	103	14548	142	151	20277	135	215	27361	128	-	-	-	E
L	72	44419	176	154	21822	142	226	30415	135	322	41043	128	-	-	-	E		
		4000K Number of LED	Nominal flux <sup>(1)</sup> (lm)	Nominal eff. <sup>(1)</sup> (lm/W)	350 mA			500 mA			700 mA			1050 mA			Energy efficiency class	
		P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>	P <sub>t</sub> (W) <sup>(2)</sup>	Φ (lm) <sup>(2)</sup>	(lm/W) <sup>(2)</sup>		
S	XS	8	3503	185	10	1247	125	14	1710	123	19	2229	118	28	2872	103	D	
		12	5254	191	15	1858	124	20	2565	129	27	3342	124	41	4308	106	D	
	M	XS	16	7005	207	18	2494	139	26	3420	132	36	4458	124	53	5744	109	D
		M	24	10508	183	27	4188	156	38	5781	153	52	7532	145	79	9709	123	D
			32	14010	187	35	5583	160	49	7707	158	67	10044	150	105	12945	124	D
			48	30640	182	103	15053	147	151	20980	139	215	28311	132	-	-	-	E
L	72	45960	183	154	22580	147	226	31471	140	322	42467	132	-	-	-	E		

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

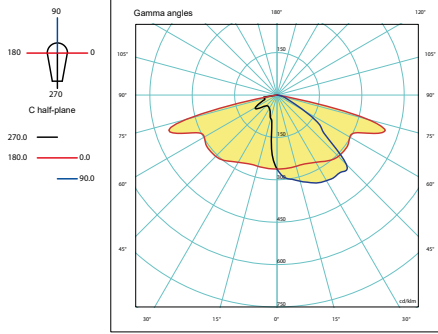
(2) Actual luminaire output data at operating temperature including driver consumption, optical accessories. A tolerance on the data is allowed in accordance with IEC 62717 and IEC 62722.



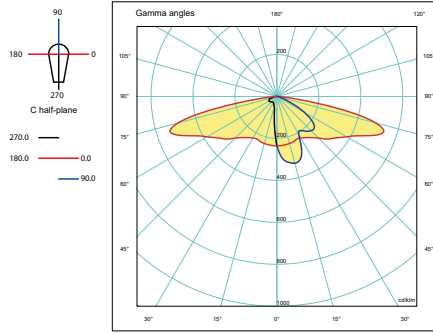
### Photometric distributions

#### ASYMMETRICAL ROAD LIGHTING

#### ASY10



#### ASY13



#### ASY14

