

**MOD 2.0 PRO**

**MAIN CHARACTERISTICS**

<b>Applications</b>	Street, urban and architectural lighting.
<b>Optic</b>	STE-M/S: Asymmetrical optic for suburban street lighting. STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting. STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. S05: Asymmetrical optic for street, urban and green areas lighting. ASP/ASC: Asymmetrical optics for floodlighting. Colour temperature: 4000K (3000K optional)   CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C, 4000K
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66
<b>LED Modules</b>	Removable / Replaceable
<b>Tilt Angle</b>	From -90° to +90°
<b>Dimensions</b>	See the table
<b>Weight</b>	max 9 kg
<b>Exposed surface</b>	Side max 0.05 m <sup>2</sup>   Top max 0.13 m <sup>2</sup>
<b>Mounting</b>	Wall mounting with integrated fixing accessory.
<b>Gear tray</b>	Removable plate.
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temperature</b>	-40°C / +80°C
<b>Main reference standards</b>	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



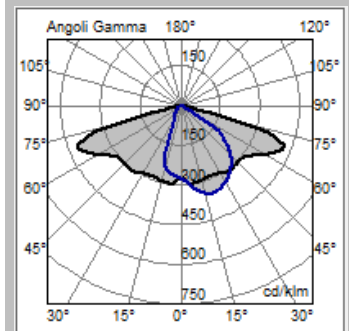
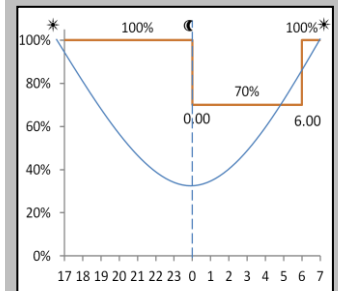
**ELECTRICAL CHARACTERISTICS**

<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,95 (at full load - F, DA, DAC)
<b>On-load switch</b>	Included, with integrated cable clamp.(version L=800 – 950 mm)
<b>Mains connection</b>	Cable H07RN-F nx1.5mm <sup>2</sup> Optional: connector M/F IP66/68 for cables max. 2,5mm <sup>2</sup> , Ø max. 14mm
<b>Surge protection</b>	Up to 10kV   With SPD (optional) 10kV / 10kV CM/DM
<b>SPD (optional)</b>	10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	F: Fixed power not dimmable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. WL: Wireless single point communication system. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41).
<b>Optical unit lifetime (Tq=25°C, 700mA)</b>	>100.000hr L90B10 >100.000hr L90, TM-21

**MATERIALS**

<b>Fixing</b>	Extruded aluminium. Powder painted.
<b>Heat-sink</b>	Extruded aluminium. Powder painted.
<b>Closure hook</b>	Stainless steel springs.
<b>Optic</b>	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Aluminium grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass, 5mm thickness high transparency.
<b>Cable gland</b>	Metallic M20x1.5 - IP68
<b>Gasket</b>	Polyurethane
<b>Colour</b>	Graphite - Cod. 01

**DA Profile**



STU-M Optic

All the published photometrical data has been obtained according to EN 13032-1



LED MODULES	LUMINAIRE LENGHT L (mm)	PHOTOCELL (NEMA-ZODION)	CABLE
1 MODULO 0F2H1/F3	535	<input checked="" type="checkbox"/>	0,5 m
2 MODULI 0F2H1/F3	535	<input checked="" type="checkbox"/>	0,5 m
3 - 4 MODULI 0F2H1/F3	650	<input checked="" type="checkbox"/>	0,5 m
1 MODULO 0F6	535	<input checked="" type="checkbox"/>	0,5 m
2 MODULI 0F6	650	<input checked="" type="checkbox"/>	0,5 m



LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX* (Tj=85°C, 4000K, lm)	RATED LED POWER* (Tj=85°C, W)
MOD 2.0 PRO 0F2H1 4.5-1M	S05 STU-M STU-S SV	525	1880	16	117	2184	13
MOD 2.0 PRO 0F2H1 4.5-2M			3690	30.5	120	4368	26
MOD 2.0 PRO 0F2H1 4.5-3M			5530	44	125	6552	39
MOD 2.0 PRO 0F2H1 4.5-4M			7010	57	122	8736	52
MOD 2.0 PRO 0F2H1 4.7-1M	S05 STU-M STU-S SV	700	2420	21.5	112	2765	18
MOD 2.0 PRO 0F2H1 4.7-2M			4720	40	118	5530	36
MOD 2.0 PRO 0F2H1 4.7-3M			7030	58	121	8295	54
MOD 2.0 PRO 0F2H1 4.7-4M			8810	76	115	11060	72
MOD 2.0 PRO 0F3 4.5-1M	STE-M STE-S STW	525	2490	21.5	115	2950	17
MOD 2.0 PRO 0F3 4.5-2M			5160	39	132	5900	34
MOD 2.0 PRO 0F3 4.5-3M			7490	57	131	8850	51
MOD 2.0 PRO 0F3 4.5-4M			10180	76	133	11800	68
MOD 2.0 PRO 0F3 4.7-1M	STE-M STE-S STW	700	3170	28	113	3735	24
MOD 2.0 PRO 0F3 4.7-2M			6530	52	125	7470	48
MOD 2.0 PRO 0F3 4.7-3M			9420	76	123	11205	72
MOD 2.0 PRO 0F3 4.7-4M			12940	102	126	14940	96

\*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.

\*RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±5%.

The characteristics of the product listed above are subjected to change without notice.



LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX* (Tj=85°C, 4000K, lm)	RATED LED POWER* (Tj=85°C, W)
MOD 2.0 PRO 0F6 4.5-1M	ASC-4W	525	5160	39	132	5901	35
MOD 2.0 PRO 0F6 4.5-2M	ASP-4N ASP-4W		10130	76	133	11802	70
MOD 2.0 PRO 0F6 4.7-1M	ASC-4W	700	6440	52	123	7470	47
MOD 2.0 PRO 0F6 4.7-2M	ASP-4N ASP-4W		12580	102	123	14940	94
MOD 2.0 PRO 0F6 4.5-1M	ASC-5W	525	5050	39	129	5901	35
MOD 2.0 PRO 0F6 4.5-2M	ASP-5N ASP-5W		9890	76	130	11802	70
MOD 2.0 PRO 0F6 4.7-1M	ASC-5W	700	6290	52	120	7470	47
MOD 2.0 PRO 0F6 4.7-2M	ASP-5N ASP-5W		12290	102	120	14940	94
MOD 2.0 PRO 0F6 4.5-1M	ASC-6W	525	5020	39	128	5901	35
MOD 2.0 PRO 0F6 4.5-2M	ASP-6N ASP-6W		9760	76	128	11802	70
MOD 2.0 PRO 0F6 4.7-1M	ASC-6W	700	6210	52	119	7470	47
MOD 2.0 PRO 0F6 4.7-2M	ASP-6N ASP-6W		12130	102	118	14940	94
MOD 2.0 PRO 0F6 4.5-1M	ASC-7W	525	4820	39	123	5901	35
MOD 2.0 PRO 0F6 4.5-2M	ASP-7N ASP-7W		9580	76	126	11802	70
MOD 2.0 PRO 0F6 4.7-1M	ASC-7W	700	6090	52	117	7470	47
MOD 2.0 PRO 0F6 4.7-2M	ASP-7N ASP-7W		11900	102	116	14940	94

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LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 3000K, lm)	RATED LUMINAIRE POWER* (Tq=25°C, Vin=230Vac, F/DA/DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX* (Tj=85°C, 3000K, lm)	RATED LED POWER* (Tj=85°C, W)
MOD 2.0 PRO 0F2H1 3.5-1M	S05 STU-M STU-S SV	525	1750	16	109	1990	13
MOD 2.0 PRO 0F2H1 3.5-2M			3430	30.5	112	3980	26
MOD 2.0 PRO 0F2H1 3.5-3M			5140	44	116	5970	39
MOD 2.0 PRO 0F2H1 3.5-4M			6650	57	116	7960	52
MOD 2.0 PRO 0F2H1 3.7-1M	S05 STU-M STU-S SV	700	2250	21.5	104	2520	18
MOD 2.0 PRO 0F2H1 3.7-2M			4390	40	109	5040	36
MOD 2.0 PRO 0F2H1 3.7-3M			6540	58	112	7560	54
MOD 2.0 PRO 0F2H1 3.7-4M			8360	76	110	10080	72
MOD 2.0 PRO 0F3 3.5-1M	STE-M STE-S STW	525	2430	21.5	113	2701	17
MOD 2.0 PRO 0F3 3.5-2M			4800	39	123	5402	34
MOD 2.0 PRO 0F3 3.5-3M			6970	57	122	8103	51
MOD 2.0 PRO 0F3 3.5-4M			9250	76	121	10804	68
MOD 2.0 PRO 0F3 3.7-1M	STE-M STE-S STW	700	3040	28	108	3420	24
MOD 2.0 PRO 0F3 3.7-2M			6070	52	116	6840	48
MOD 2.0 PRO 0F3 3.7-3M			8760	76	115	10260	72
MOD 2.0 PRO 0F3 3.7-4M			11670	102	114	13680	96

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MOD 2.0 PRO 0F6 3.5-1M	ASC-4W	525	4800	39	123	5190	35
MOD 2.0 PRO 0F6 3.5-2M	ASP-4N ASP-4W		9420	76	123	10380	70
MOD 2.0 PRO 0F6 3.7-1M	ASC-4W	700	5990	52	115	6570	47
MOD 2.0 PRO 0F6 3.7-2M	ASP-4N ASP-4W		11700	102	114	13140	94
MOD 2.0 PRO 0F6 3.5-1M	ASC-5W	525	4700	39	120	5190	35
MOD 2.0 PRO 0F6 3.5-2M	ASP-5N ASP-5W		9200	76	121	10380	70
MOD 2.0 PRO 0F6 3.7-1M	ASC-5W	700	5850	52	112	6570	47
MOD 2.0 PRO 0F6 3.7-2M	ASP-5N ASP-5W		11430	102	112	13140	94
MOD 2.0 PRO 0F6 3.5-1M	ASC-6W	525	4670	39	119	5190	35
MOD 2.0 PRO 0F6 3.5-2M	ASP-6N ASP-6W		9080	76	119	10380	70
MOD 2.0 PRO 0F6 3.7-1M	ASC-6W	700	5780	52	111	6570	47
MOD 2.0 PRO 0F6 3.7-2M	ASP-6N ASP-6W		11280	102	110	13140	94
MOD 2.0 PRO 0F6 3.5-1M	ASC-7W	525	4480	39	114	5190	35
MOD 2.0 PRO 0F6 3.5-2M	ASP-7N ASP-7W		8910	76	117	10380	70
MOD 2.0 PRO 0F6 3.7-1M	ASC-7W	700	5660	52	108	6570	47
MOD 2.0 PRO 0F6 3.7-2M	ASP-7N ASP-7W		11070	102	108	13140	94

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