

MOD 2.0 URBAN 200

MAIN CHARACTERISTICS

Applications	Street, urban and architectural lighting.
Optic	<p>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. OP-DX/SX: Asymmetrical optic for crosswalks lighting. S05: Asymmetrical optic for street, urban and green areas lighting. STA/STA1: Asymmetrical optic for long interdistance and wide roads, V and P class. ASP/ASC: Asymmetrical optics for floodlighting. Colour temperature: 4000K (3000K optional) CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C, 4000K</p>
Insulation class	II, I
Protection degree	IP66
LED Modules	Removable / Replaceable
Tilt Angle	0°
Dimensions	See the table
Weight	max 11 kg
Exposed surface	Side max 0.08 m ² Top max 0.19 m ²
Mounting	<p>TP: post-top Ø60-70-76-102 mm RX-2: post-top on rectangular poles 200x80 mm AC: bracket on poles Ø102-114-127 mm</p>
Gear tray	Removable plate.
Operating temp.	-40°C / +50°C
Storage temperature	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



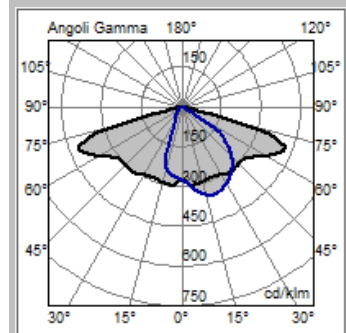
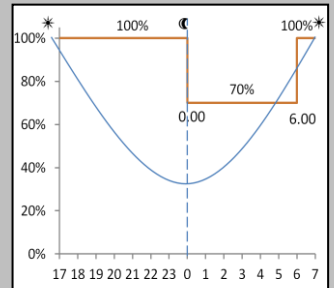
ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz
Power factor	>0,95 (at full load - F, DA, DAC)
On-load switch	Included, with integrated cable clamp.(version L=800 – 950 mm)
Mains connection	<p>For cables max section 4mm² (on-load switch version) Cable H07RN-F nx1.5mm² (version L=350 - 500 - 650mm) Optional: connector M/F IP66/68 for cables max. 2,5mm², Ø max. 12mm</p>
Surge protection	Up to 10kV With SPD (optional) 10kV / 10kV CM/DM
SPD (optional)	10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life.
Control system (options)	<p>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).</p>
Optical unit lifetime (Tq=25°C, 700mA)	<p>>100.000hr L90B10 >100.000hr L90, TM-21</p>

MATERIALS

Fixing	Die-cast aluminium UNI EN 1706. Powder painted.
Heat-sink	Extruded aluminium. Powder painted.
Closure hook	Stainless steel springs.
Optic	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Aluminium grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness high transparency.
Cable gland	Plastic M20x1.5 - IP68
Gasket	Polyurethane
Colour	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)	ON - LOAD SWITCH	PHOTOCELL (NEMA-ZODION)	CABLE
1 MODULO 0F2H1/F3	350	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
2 MODULI 0F2H1/F3	500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	650	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	800	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request
3 MODULI 0F2H1/F3	800	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request
	950	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request
4 MODULI 0F2H1/F3	950	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request
1 MODULO 0F6	500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	535	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	650	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	800	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request
2 MODULO 0F6	650	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,5 m
	950	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	on request



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 URBAN 200 0F2H1 4.5-1M	S05 STU-M STU-S SV	525	1880	16	117	2184	13
MOD 2.0 URBAN 200 0F2H1 4.5-2M			3690	30.5	120	4368	26
MOD 2.0 URBAN 200 0F2H1 4.5-3M			5530	44	125	6552	39
MOD 2.0 URBAN 200 0F2H1 4.5-4M			7150	57	125	8736	52
MOD 2.0 URBAN 200 0F2H1 4.7-1M	S05 STU-M STU-S SV	700	2420	21.5	112	2765	18
MOD 2.0 URBAN 200 0F2H1 4.7-2M			4720	40	118	5530	36
MOD 2.0 URBAN 200 0F2H1 4.7-3M			7030	58	121	8295	54
MOD 2.0 URBAN 200 0F2H1 4.7-4M			8990	76	118	11060	72
MOD 2.0 URBAN 200 0F3 4.5-1M	STE-M STE-S STW	525	2610	21.5	121	2950	17
MOD 2.0 URBAN 200 0F3 4.5-2M			5160	39	132	5900	34
MOD 2.0 URBAN 200 0F3 4.5-3M			7490	57	131	8850	51
MOD 2.0 URBAN 200 0F3 4.5-4M			9950	76	130	11800	68
MOD 2.0 URBAN 200 0F3 4.7-1M	STE-M STE-S STW	700	3270	28	116	3735	24
MOD 2.0 URBAN 200 0F3 4.7-2M			6530	52	125	7470	48
MOD 2.0 URBAN 200 0F3 4.7-3M			9420	76	123	11205	72
MOD 2.0 URBAN 200 0F3 4.7-4M			12550	102	123	14940	96
MOD 2.0 URBAN 200 0F6 4.5-1M	OP-DX OP-SX	525	5160	39	132	5901	35
MOD 2.0 URBAN 200 0F6 4.5-2M			10180	76	133	11802	70
MOD 2.0 URBAN 200 0F6 4.7-1M	OP-DX OP-SX	700	6530	52	125	7470	47
MOD 2.0 URBAN 200 0F6 4.7-2M			12940	102	126	14940	94

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 URBAN 200 0F3 4.5-1M	ASC-4W	525	5160	39	132	5900	34
MOD 2.0 URBAN 200 0F6 4.5-2M	ASP-4N ASP-4W		10130	76	133	11802	70
MOD 2.0 URBAN 200 0F6 4.7-1M	ASC-4W	700	6440	52	123	7470	47
MOD 2.0 URBAN 200 0F6 4.7-2M	ASP-4N ASP-4W		12580	102	123	14940	94
MOD 2.0 URBAN 200 0F6 4.5-1M	ASC-5W	525	5050	39	129	5901	35
MOD 2.0 URBAN 200 0F6 4.5-2M	ASP-5N ASP-5W		9890	76	130	11802	70
MOD 2.0 URBAN 200 0F6 4.7-1M	ASC-5W	700	6290	52	120	7470	47
MOD 2.0 URBAN 200 0F6 4.7-2M	ASP-5N ASP-5W		12290	102	120	14940	94
MOD 2.0 URBAN 200 0F6 4.5-1M	ASC-6W	525	5020	39	128	5901	35
MOD 2.0 URBAN 200 0F6 4.5-2M	ASP-6N ASP-6W		9760	76	128	11802	70
MOD 2.0 URBAN 200 0F6 4.7-1M	ASC-6W	700	6210	52	119	7470	47
MOD 2.0 URBAN 200 0F6 4.7-2M	ASP-6N ASP-6W		12130	102	118	14940	94
MOD 2.0 URBAN 200 0F6 4.5-1M	ASC-7W	525	4820	39	123	5901	35
MOD 2.0 URBAN 200 0F6 4.5-2M	ASP-7N ASP-7W		9580	76	126	11802	70
MOD 2.0 URBAN 200 0F6 4.7-1M	ASC-7W	700	6090	52	117	7470	47
MOD 2.0 URBAN 200 0F6 4.7-2M	ASP-7N ASP-7W		11900	102	116	14940	94



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 URBAN 200 0F2 4.5-1M	STA STA1	525	1650	14	117	1967	12
MOD 2.0 URBAN 200 0F2 4.5-2M			3230	27	119	3934	24
MOD 2.0 URBAN 200 0F2 4.5-3M			4850	39	124	5901	36
MOD 2.0 URBAN 200 0F2 4.5-4M			6140	51	120	7868	48
MOD 2.0 URBAN 200 0F2 4.7-1M	STA STA1	700	2120	19.5	108	2490	16
MOD 2.0 URBAN 200 0F2 4.7-2M			4130	36	114	4980	32
MOD 2.0 URBAN 200 0F2 4.7-3M			6160	51.5	119	7470	48
MOD 2.0 URBAN 200 0F2 4.7-4M			7720	67.5	114	9960	64

*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, 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 URBAN 200 0F2H1 3.5-1M	S05 STU-M STU-S SV	525	1750	16	109	1990	13
MOD 2.0 URBAN 200 0F2H1 3.5-2M			3430	30.5	112	3980	26
MOD 2.0 URBAN 200 0F2H1 3.5-3M			5140	44	116	5970	39
MOD 2.0 URBAN 200 0F2H1 3.5-4M			6650	57	116	7960	52
MOD 2.0 URBAN 200 0F2H1 3.7-1M	S05 STU-M STU-S SV	700	2250	21.5	104	2520	18
MOD 2.0 URBAN 200 0F2H1 3.7-2M			4390	40	109	5040	36
MOD 2.0 URBAN 200 0F2H1 3.7-3M			6540	58	112	7560	54
MOD 2.0 URBAN 200 0F2H1 3.7-4M			8360	76	110	10080	72
MOD 2.0 URBAN 200 0F3 3.5-1M	STE-M STE-S STW	525	2430	21.5	113	2701	17
MOD 2.0 URBAN 200 0F3 3.5-2M			4800	39	123	5402	34
MOD 2.0 URBAN 200 0F3 3.5-3M			6970	57	122	8103	51
MOD 2.0 URBAN 200 0F3 3.5-4M			9250	76	121	10804	68
MOD 2.0 URBAN 200 0F3 3.7-1M	STE-M STE-S STW	700	3040	28	108	3420	24
MOD 2.0 URBAN 200 0F3 3.7-2M			6070	52	116	6840	48
MOD 2.0 URBAN 200 0F3 3.7-3M			8760	76	115	10260	72
MOD 2.0 URBAN 200 0F3 3.7-4M			11670	102	114	13680	96
MOD 2.0 URBAN 200 0F6 3.5-1M	OP-DX OP-SX	525	4800	39	123	5190	35
MOD 2.0 URBAN 200 0F6 3.5-2M			9470	76	124	10380	70
MOD 2.0 URBAN 200 0F6 3.7-1M	OP-DX OP-SX	700	6070	52	116	6570	47
MOD 2.0 URBAN 200 0F6 3.7-2M			12030	102	117	13140	94



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 URBAN 200 0F3 3.5-1M	ASC-4W	525	4800	39	123	5190	35
MOD 2.0 URBAN 200 0F6 3.5-2M	ASP-4N ASP-4W		9420	76	123	10380	70
MOD 2.0 URBAN 200 0F6 3.7-1M	ASC-4W	700	5990	52	115	6570	47
MOD 2.0 URBAN 200 0F6 3.7-2M	ASP-4N ASP-4W		11700	102	114	13140	94
MOD 2.0 URBAN 200 0F6 3.5-1M	ASC-5W	525	4700	39	120	5190	35
MOD 2.0 URBAN 200 0F6 3.5-2M	ASP-5N ASP-5W		9200	76	121	10380	70
MOD 2.0 URBAN 200 0F6 3.7-1M	ASC-5W	700	5850	52	112	6570	47
MOD 2.0 URBAN 200 0F6 3.7-2M	ASP-5N ASP-5W		11430	102	112	13140	94
MOD 2.0 URBAN 200 0F6 3.5-1M	ASC-6W	525	4670	39	119	5190	35
MOD 2.0 URBAN 200 0F6 3.5-2M	ASP-6N ASP-6W		9080	76	119	10380	70
MOD 2.0 URBAN 200 0F6 3.7-1M	ASC-6W	700	5780	52	111	6570	47
MOD 2.0 URBAN 200 0F6 3.7-2M	ASP-6N ASP-6W		11280	102	110	13140	94
MOD 2.0 URBAN 200 0F6 3.5-1M	ASC-7W	525	4480	39	114	5190	35
MOD 2.0 URBAN 200 0F6 3.5-2M	ASP-7N ASP-7W		8910	76	117	10380	70
MOD 2.0 URBAN 200 0F6 3.7-1M	ASC-7W	700	5660	52	108	6570	47
MOD 2.0 URBAN 200 0F6 3.7-2M	ASP-7N ASP-7W		11070	102	108	13140	94



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 URBAN 200 0F2 3.5-1M	STA STA1	525	1530	14	109	1801	12
MOD 2.0 URBAN 200 0F2 3.5-2M			3000	27	111	3602	24
MOD 2.0 URBAN 200 0F2 3.5-3M			4510	39	115	5403	36
MOD 2.0 URBAN 200 0F2 3.5-4M			5710	51	111	7204	48
MOD 2.0 URBAN 200 0F2 3.7-1M	STA STA1	700	1970	19.5	101	2280	16
MOD 2.0 URBAN 200 0F2 3.7-2M			3840	36	106	4560	32
MOD 2.0 URBAN 200 0F2 3.7-3M			5730	51.5	111	6840	48
MOD 2.0 URBAN 200 0F2 3.7-4M			7180	67.5	106	9120	64

*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.