

# STYLO

## STYLO

### MAIN CHARACTERISTICS

<b>Applications</b>	Street and urban lighting.
<b>Optic</b>	STU: Asymmetrical optic for street lighting (urban). STE: Asymmetrical optic for street lighting (suburban). STW: Asymmetrical optic for wide roads and wet asphalts lighting. STA/STA1: Asymmetrical optic for V and P categories. SV: Asymmetrical optic for narrow urban streets or highway entrance/exit turns S05: Asymmetrical optic for urban and street lighting Colour temperature: 4000K (3000K optional), CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C, 4000K
<b>Diffusive screen</b>	Diffusive screen effect (optional – available max 6 modules with glass / PC screen )
<b>Insulation class</b>	I - II
<b>Protection degree</b>	IP66   IK08 with polycarbonate screen, IK07 with glass screen.
<b>LED Modules</b>	Removable / Replaceable optical unit
<b>Tilt Angle</b>	Bracket: 0°/-5°/-10°/-15°
<b>Dimensions</b>	See the drawing
<b>Weight</b>	10kg
<b>Exposed surface</b>	Side: 0.09m <sup>2</sup> – Top: 0.25m <sup>2</sup>   SCx: 0.043m <sup>2</sup> – SCy: 0.18m <sup>2</sup>
<b>Mounting</b>	On brackets with two accessories: Ø42-Ø65mm. Spigot entry 100mm.
<b>Gear tray</b>	Integrated. Removable with connectors.
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temp.</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

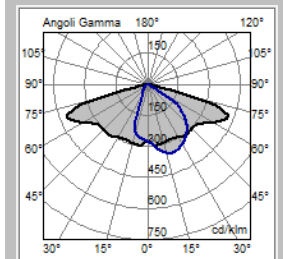


### ELECTRICAL CHARACTERISTICS

<b>Rated voltage</b>	220÷240V 50/60Hz
<b>LED current</b>	350mA , 525mA , 700mA
<b>Power factor</b>	>0,9 (at full load)
<b>On-load switch</b>	Optional, with integrated cable clamp.
<b>Mains connection</b>	For cable max section 4mm <sup>2</sup> Outgoing cable H07RN-F 2/3/5 x 1.5mm <sup>2</sup> . Length on request.(optional)
<b>Surge protection</b>	SPD integrated 10kV-10kA, type II, with LED signal and thermo fuse to disconnect load at the end of life. Pulse withstand: 10kV / 10kV CM/DM
<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. DB: Dual Power with control wire. PLM: Power Line single point communication system. WL: Wireless single point communication system. DALI: Digital dimming interface DALI. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA book 18).
<b>Optical unit lifetime (Tq=25°C, 700mA)</b>	≥100.000hr L90B10

### MATERIALS

<b>Fixing</b>	Die-cast aluminium UNI EN1706 powder painted.
<b>Canopy</b>	
<b>Body</b>	
<b>Optic</b>	99.85% aluminium with a surface finish in 99.95% with vacuum-sealed deposition. Alluminum grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass 5mm thickness high transparency Polycarbonate, UV resistant. (optional)
<b>Cable gland</b>	Plastic, M20x1,5 – IP68 (M25x1.5 – IP68 optional)
<b>Gasket</b>	Polyurethane without junction points.
<b>Colour</b>	Graphite (Cod. 01)



STU-M Optic

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



**4000K**

LUMINAIRE	OPTICS	LED Current (mA)	RATED LUMINAIRE FLUX <sup>1</sup> (Tq=25°C, 4000K, lm)	RATED LUMINAIRE POWER <sup>1</sup> (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX <sup>2</sup> (Tj=85°C, 4000K, lm)	RATED LED POWER <sup>2</sup> (Tj=85°C, W)
STYLO 0F3 4.3-1M	STE-M STE-S STW	350	1830	15,5	118	2054	11
STYLO 0F3 4.3-2M			3620	27	134	4109	23
STYLO 0F3 4.3-3M			5290	39	136	6163	34
STYLO 0F3 4.3-4M			7020	52	135	8217	46
STYLO 0F3 4.3-5M			9000	65	138	10271	57
STYLO 0F3 4.3-6M			10630	75	142	12326	69
STYLO 0F3 4.3-7M			12280	87	141	14380	80
STYLO 0F3 4.5-1M	STE-M STE-S STW	525	2610	21,5	121	2951	18
STYLO 0F3 4.5-2M			5160	39	132	5901	35
STYLO 0F3 4.5-3M			7490	57	131	8852	53
STYLO 0F3 4.5-4M			9950	76	131	11803	70
STYLO 0F3 4.5-5M			12720	95	134	14753	88
STYLO 0F3 4.5-6M			15170	112	135	17704	105
STYLO 0F3 4.5-7M			17590	131	134	20655	123
STYLO 0F3 4.7-1M	STE-M STE-S STW	700	3270	28	117	3735	24
STYLO 0F3 4.7-2M			6530	52	126	7470	47
STYLO 0F3 4.7-3M			9420	76	124	11205	71
STYLO 0F3 4.7-4M			12550	102	123	14940	95
STYLO 0F3 4.7-5M			15950	127	126	18675	119
STYLO 0F3 4.7-6M			19040	150	127	22410	142
STYLO 0F2H1 4.3-1M			STU-M STU-S SV S05	350	1300	11	118
STYLO 0F2H1 4.3-2M	2580	21			123	3042	17
STYLO 0F2H1 4.3-3M	3870	30			129	4562	26
STYLO 0F2H1 4.3-4M	5040	38			133	6083	34
STYLO 0F2H1 4.3-5M	6580	49			134	7604	43
STYLO 0F2H1 4.3-6M	7800	57			137	9125	52
STYLO 0F2H1 4.3-7M	8990	66			136	10645	60
STYLO 0F2H1 4.5-1M	STU-M STU-S SV S05	525	1880	16	118	2184	13
STYLO 0F2H1 4.5-2M			3690	30,5	121	4369	26
STYLO 0F2H1 4.5-3M			5530	44	126	6553	39
STYLO 0F2H1 4.5-4M			7150	57	125	8737	53
STYLO 0F2H1 4.5-5M			9430	72	131	10922	66
STYLO 0F2H1 4.5-6M			11110	85	131	13106	79
STYLO 0F2H1 4.5-7M			12920	99	131	15290	92
STYLO 0F2H1 4.7-1M	STU-M STU-S SV S05	700	2420	21,5	113	2765	18
STYLO 0F2H1 4.7-2M			4720	40	118	5530	36
STYLO 0F2H1 4.7-3M			7030	58	121	8295	53
STYLO 0F2H1 4.7-4M			8990	76	118	11060	71
STYLO 0F2H1 4.7-5M			11890	95	125	13825	89
STYLO 0F2H1 4.7-6M			14070	114	123	16590	107
STYLO 0F2H1 4.7-7M			16290	132	123	19355	124
STYLO 0F2 4.3-1M	STA / STA1	350	1120	9,5	118	1370	8
STYLO 0F2 4.3-2M			2210	18,5	119	2739	15
STYLO 0F2 4.3-3M			3320	27	123	4109	23
STYLO 0F2 4.3-4M			4250	35	121	5478	31
STYLO 0F2 4.3-5M			5660	44	129	6848	38
STYLO 0F2 4.3-6M			6700	52	129	8217	46
STYLO 0F2 4.3-7M			7720	59	131	9587	53
STYLO 0F2 4.5-1M	STA / STA1	525	1620	14	116	1967	12
STYLO 0F2 4.5-2M			3170	27	117	3934	23
STYLO 0F2 4.5-3M			4750	39	122	5901	35
STYLO 0F2 4.5-4M			6020	51	118	7868	47
STYLO 0F2 4.5-5M			8120	64	127	9836	58
STYLO 0F2 4.5-6M			9540	76	126	11803	70
STYLO 0F2 4.5-7M			11090	88	126	13770	82
STYLO 0F2 4.7-1M	STA / STA1	700	2080	19,5	107	2490	16
STYLO 0F2 4.7-2M			4050	36	113	4980	32
STYLO 0F2 4.7-3M			6040	52	116	7470	47
STYLO 0F2 4.7-4M			7570	68	111	9960	63
STYLO 0F2 4.7-5M			10240	85	120	12450	79
STYLO 0F2 4.7-6M			12090	101	120	14940	95
STYLO 0F2 4.7-7M			13990	117	120	17430	111

The tables above describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance. In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit.

For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

Note: 1: Rated data obtained in laboratory | 2: Rated data extrapolated from LED manufacturer datasheet.

The characteristics of the product listed above are subjected to change without notice. They will have to be confirmed in case of order.

Values indicated in this technical sheet are rated values subject to a tolerance of +/-5%.



**3000K**

LUMINAIRE	OPTICS	LED Current (mA)	RATED LUMINAIRE FLUX <sup>1</sup> (Tq=25°C, 3000K, lm)	RATED LUMINAIRE POWER <sup>1</sup> (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	LUMINAIRE EFFICACY (Tq=25°C, lm/W)	RATED LED FLUX <sup>2</sup> (Tj=85°C, 3000K, lm)	RATED LED POWER <sup>2</sup> (Tj=85°C, W)
STYLO 0F3 3.3-1M	STE-M STE-S STW	350	1700	15,5	110	1910	11
STYLO 0F3 3.3-2M			3370	27	125	3821	23
STYLO 0F3 3.3-3M			4920	39	126	5731	34
STYLO 0F3 3.3-4M			6530	52	126	7642	46
STYLO 0F3 3.3-5M			8370	65	129	9552	57
STYLO 0F3 3.3-6M			9890	75	132	11463	69
STYLO 0F3 3.3-7M			11420	87	131	13373	80
STYLO 0F3 3.5-1M	STE-M STE-S STW	525	2430	21,5	113	2744	18
STYLO 0F3 3.5-2M			4800	39	123	5488	35
STYLO 0F3 3.5-3M			6970	57	122	8232	53
STYLO 0F3 3.5-4M			9250	76	122	10976	70
STYLO 0F3 3.5-5M			11830	95	125	13721	88
STYLO 0F3 3.5-6M			14110	112	126	16465	105
STYLO 0F3 3.5-7M			16360	131	125	19209	123
STYLO 0F3 3.7-1M	STE-M STE-S STW	700	3040	28	109	3474	24
STYLO 0F3 3.7-2M			6070	52	117	6947	47
STYLO 0F3 3.7-3M			8760	76	115	10421	71
STYLO 0F3 3.7-4M			11670	102	114	13894	95
STYLO 0F3 3.7-5M			14830	127	117	17368	119
STYLO 0F3 3.7-6M			17710	150	118	20841	142
STYLO 0F2H1 3.3-1M			STU-M STU-S SV S05	350	1210	11	110
STYLO 0F2H1 3.3-2M	2400	21			114	2829	17
STYLO 0F2H1 3.3-3M	3600	30			120	4243	26
STYLO 0F2H1 3.3-4M	4690	38			123	5657	34
STYLO 0F2H1 3.3-5M	6120	49			125	7071	43
STYLO 0F2H1 3.3-6M	7250	57			127	8486	52
STYLO 0F2H1 3.3-7M	8360	66			127	9900	60
STYLO 0F2H1 3.5-1M	STU-M STU-S SV S05	525	1750	16	109	2031	13
STYLO 0F2H1 3.5-2M			3430	30,5	112	4063	26
STYLO 0F2H1 3.5-3M			5140	44	117	6094	39
STYLO 0F2H1 3.5-4M			6650	57	117	8126	53
STYLO 0F2H1 3.5-5M			8770	72	122	10157	66
STYLO 0F2H1 3.5-6M			10330	85	122	12189	79
STYLO 0F2H1 3.5-7M			12020	99	121	14220	92
STYLO 0F2H1 3.7-1M	STU-M STU-S SV S05	700	2250	21,5	105	2571	18
STYLO 0F2H1 3.7-2M			4390	40	110	5143	36
STYLO 0F2H1 3.7-3M			6540	58	113	7714	53
STYLO 0F2H1 3.7-4M			8360	76	110	10286	71
STYLO 0F2H1 3.7-5M			11060	95	116	12857	89
STYLO 0F2H1 3.7-6M			13090	114	115	15429	107
STYLO 0F2H1 3.7-7M			15150	132	115	18000	124
STYLO 0F2 3.3-1M	STA / STA1	350	1040	9,5	109	1274	8
STYLO 0F2 3.3-2M			2060	18,5	111	2547	15
STYLO 0F2 3.3-3M			3090	27	114	3821	23
STYLO 0F2 3.3-4M			3950	35	113	5095	31
STYLO 0F2 3.3-5M			5260	44	120	6368	38
STYLO 0F2 3.3-6M			6230	52	120	7642	46
STYLO 0F2 3.3-7M			7180	59	122	8915	53
STYLO 0F2 3.5-1M	STA / STA1	525	1510	14	108	1829	12
STYLO 0F2 3.5-2M			2950	27	109	3659	23
STYLO 0F2 3.5-3M			4420	39	113	5488	35
STYLO 0F2 3.5-4M			5600	51	110	7318	47
STYLO 0F2 3.5-5M			7550	64	118	9147	58
STYLO 0F2 3.5-6M			8870	76	117	10976	70
STYLO 0F2 3.5-7M			10310	88	117	12806	82
STYLO 0F2 3.7-1M	STA / STA1	700	1930	19,5	99	2316	16
STYLO 0F2 3.7-2M			3770	36	105	4631	32
STYLO 0F2 3.7-3M			5620	52	108	6947	47
STYLO 0F2 3.7-4M			7040	68	104	9263	63
STYLO 0F2 3.7-5M			9520	85	112	11579	79
STYLO 0F2 3.7-6M			11240	101	111	13894	95
STYLO 0F2 3.7-7M			13010	117	111	16210	111

The tables above describe the flux and output power of the available versions. These parameters are necessary in order to guarantee a correct comparison of the luminaire performance. In particular, the luminaire efficiency (expressed in lm/W) must be calculated as the ratio between the output luminous flux of the luminaire and the power absorbed by the input power supply unit.

For the sake of completeness the tables also show the data of the nominal flux and power of the used LED.

Note: 1: Rated data obtained in laboratory | 2: Rated data extrapolated from LED manufacturer datasheet. The characteristics of the product listed above are subjected to change without notice. They will have to be confirmed in case of order. Values indicated in this technical sheet are rated values subject to a tolerance of +/-5%.



LUMINAIRE	OPTIC	LED Current (mA)	INRUSH CURRENT Duration 50% $\mu$ pk ( $\mu$ s)	INRUSH CURRENT Peak (A)	MCB B-Type 10A / 16A / 25A	MCB C-Type 10A / 16A / 25A	SURGE PROTECTION CL.I (CM / DM, kV)	SURGE PROTECTION CL.II (CM / DM, kV)
STYLO 0F3 4.3-1M	STE-M STE-S STW	350	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F3 4.3-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F3 4.3-3M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F3 4.3-4M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.3-5M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.3-6M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.3-7M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.5-1M	STE-M STE-S STW	525	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F3 4.5-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F3 4.5-3M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.5-4M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.5-5M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.5-6M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F3 4.5-7M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F3 4.7-1M	STE-M STE-S STW	700	250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F3 4.7-2M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.7-3M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F3 4.7-4M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F3 4.7-5M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F3 4.7-6M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F2H1 4.3-1M			STU-M STU-S SV S05	350	360	15	14 / 23 / 35	23 / 39 / 59
STYLO 0F2H1 4.3-2M	360	15			14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2H1 4.3-3M	250	30			10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2H1 4.3-4M	250	30			10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2H1 4.3-5M	230	55			7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.3-6M	230	55			7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.3-7M	210	57			7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.5-1M	STU-M STU-S SV S05	525	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2H1 4.5-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2H1 4.5-3M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.5-4M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.5-5M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.5-6M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.5-7M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F2H1 4.7-1M	STU-M STU-S SV S05	700	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2H1 4.7-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2H1 4.7-3M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.7-4M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.7-5M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2H1 4.7-6M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F2H1 4.7-7M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F2 4.3-1M	STA / STA1	350	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2 4.3-2M			360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2 4.3-3M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2 4.3-4M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2 4.3-5M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.3-6M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.3-7M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.5-1M	STA / STA1	525	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2 4.5-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2 4.5-3M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2 4.5-4M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.5-5M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.5-6M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.5-7M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.7-1M	STA / STA1	700	360	15	14 / 23 / 35	23 / 39 / 59	10 / 10	10 / 10
STYLO 0F2 4.7-2M			250	30	10 / 17 / 28	17 / 28 / 44	10 / 10	10 / 10
STYLO 0F2 4.7-3M			230	55	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.7-4M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.7-5M			210	57	7 / 12 / 20	12 / 20 / 32	10 / 10	10 / 10
STYLO 0F2 4.7-6M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10
STYLO 0F2 4.7-7M			330	62	4 / 8 / 14	8 / 14 / 21	10 / 10	10 / 10

NOTE 1: The number of luminaires under a three-phase MCB is calculated multiplying by 3 the number in the table. These values are based on data declared by power supply manufacturer and tested on worst case MCB model. An inrush current limiter (i.e. Finder SSR 77.11.x.xxx.8250 (15A) or 77.31.x.xxx.8050 model (30A)) can improve the max.number of luminaire under the MCB

NOTE 2: Power supply manufacturer never did any considerations about 50A or 63A MCB. So we can't declare anything about using of MCB higher than 25A.

