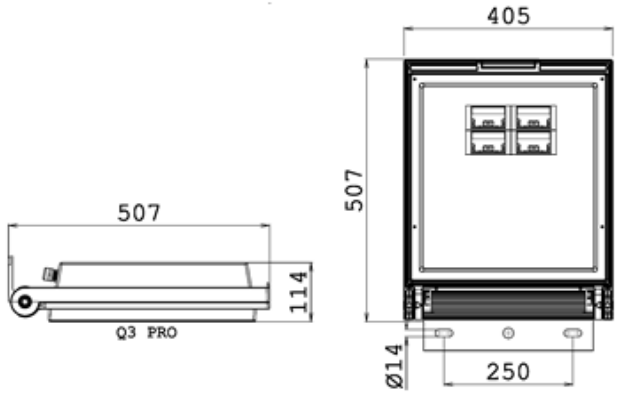
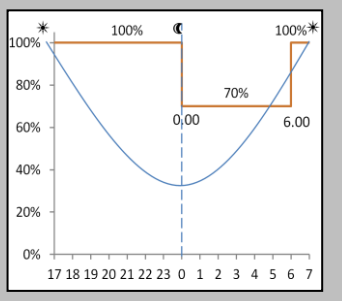
Product Sheet

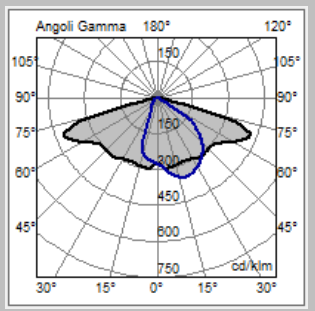


Q3 PRO TRIO

MAIN CHARACTERISTICS	
Applications	Street, urban and architectural lighting.
Optic	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. S05: Asymmetrical optic for street, urban and green areas lighting. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. 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
Insulation class	II, I
Protection degree	IP66 | IK08 total
Tilt angle	Adjustable
Mounting	Brackets MT, AD/Q3 , Post-top Ø60mm.
Gear tray	Removable
LED Modules	Removable
Dimensions and weight	*See the drawing* – 12kg
Exposed surface	Side: 0.07m^2 – Top: 0.2m^2
Operating temperature	-40°C / +35°C
Storage temperature	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 60598-2-5, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
CE IK08 IP66 EXEMPT GROUP HIGH PERFORMANCE OPTIC	
ELECTRICAL CHARACTERISTICS	
Rated voltage	220÷240V 50/60Hz
Power factor	>0,9 (at full load)
Connection	Connector for cables max. section 2.5mm^2
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)	F: Fixed power not dimmerable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. DALI: Digital dimming interface DALI.
Optical unit lifetime (Tq=25°C, 700mA)	>100.000hr L90B10 >100.000hr L90, TM-21
MATERIALS	
Fixing	Extruded aluminium EN AW - UNI EN 755
Lower frame and canopy	Die-cast aluminium UNI EN 1706
Heatsink	Extruded aluminium (on each LED module)
Optic	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 4mm thickness (on each LED module)
Cable gland	Metallic M20x1,5 - IP68
Colour	Graphite - Cod. 01

DA Profile





STU-M Optic

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

LUMINAIRE	OPTIC	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)
Q3 PRO 0F2H1 4.5-1M	S05 STU-M STU-S SV	1840	16	115	2184	13
Q3 PRO 0F2H1 4.5-2M		3620	30.5	118	4368	26
Q3 PRO 0F2H1 4.5-3M		5420	44	123	6552	39
Q3 PRO 0F2H1 4.5-4M		7010	57	122	8736	52
Q3 PRO 0F2H1 4.7-1M	S05 STU-M STU-S SV	2370	21.5	110	2765	18
Q3 PRO 0F2H1 4.7-2M		4630	40	115	5530	36
Q3 PRO 0F2H1 4.7-3M		6890	58	118	8295	54
Q3 PRO 0F2H1 4.7-4M		8810	76	115	11060	72
Q3 PRO 0F3 4.5-1M	STE-M STE-S STW	2560	21.5	119	2950	17
Q3 PRO 0F3 4.5-2M		5060	39	129	5900	34
Q3 PRO 0F3 4.5-3M		7340	57	128	8850	51
Q3 PRO 0F3 4.5-4M		9750	76	128	11800	68
Q3 PRO 0F3 4.7-1M	STE-M STE-S STW	3200	28	114	3735	24
Q3 PRO 0F3 4.7-2M		6400	52	123	7470	48
Q3 PRO 0F3 4.7-3M		9230	76	121	11205	72
Q3 PRO 0F3 4.7-4M		12300	102	120	14940	96

LUMINAIRE	OPTIC	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)
Q3 PRO 0F6 4.5-1M	ASC-4W	5020	39	128	5901	35
Q3 PRO 0F6 4.5-2M		9880	76	130	11802	70
Q3 PRO 0F6 4.5-1M	ASC-5W	4930	39	126	5901	35
Q3 PRO 0F6 4.5-2M		9700	76	127	11802	70
Q3 PRO 0F6 4.5-1M	ASC-6W	4850	39	124	5901	35
Q3 PRO 0F6 4.5-2M		9560	76	125	11802	70
Q3 PRO 0F6 4.5-1M	ASC-7W	4760	39	122	5901	35
Q3 PRO 0F6 4.5-2M		9380	76	123	11802	70

**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	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)
Q3 PRO 0F2H1 3.5-1M	S05 STU-M STU-S SV	1710	16	106	1990	13
Q3 PRO 0F2H1 3.5-2M		3370	30.5	110	3980	26
Q3 PRO 0F2H1 3.5-3M		5040	44	114	5970	39
Q3 PRO 0F2H1 3.5-4M		6520	57	114	7960	52
Q3 PRO 0F2H1 3.7-1M	S05 STU-M STU-S SV	2200	21.5	102	2520	18
Q3 PRO 0F2H1 3.7-2M		4310	40	107	5040	36
Q3 PRO 0F2H1 3.7-3M		6410	58	110	7560	54
Q3 PRO 0F2H1 3.7-4M		8190	76	107	10080	72
Q3 PRO 0F3 3.5-1M	STE-M STE-S STW	2380	21.5	110	2701	17
Q3 PRO 0F3 3.5-2M		4710	39	120	5402	34
Q3 PRO 0F3 3.5-3M		6830	57	119	8103	51
Q3 PRO 0F3 3.5-4M		9070	76	119	10804	68
Q3 PRO 0F3 3.7-1M	STE-M STE-S STW	2980	28	106	3420	24
Q3 PRO 0F3 3.7-2M		5950	52	114	6840	48
Q3 PRO 0F3 3.7-3M		8580	76	112	10260	72
Q3 PRO 0F3 3.7-4M		11440	102	112	13680	96

LUMINAIRE	OPTIC	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)
Q3 PRO 0F6 3.5-1M	ASC-4W	4670	39	119	5190	35
Q3 PRO 0F6 3.5-2M		9190	76	120	10380	70
Q3 PRO 0F6 3.5-1M	ASC-5W	4580	39	117	5190	35
Q3 PRO 0F6 3.5-2M		9020	76	118	10380	70
Q3 PRO 0F6 3.5-1M	ASC-6W	4510	39	115	5190	35
Q3 PRO 0F6 3.5-2M		8890	76	116	10380	70
Q3 PRO 0F6 3.5-1M	ASC-7W	4430	39	113	5190	35
Q3 PRO 0F6 3.5-2M		8720	76	114	10380	70

**RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory.*
**RATED LED FLUX / RATED LED POWER: Rated data extrapolated from LED manufacturer datasheet.*
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