

Q5 QUADRO TRIO

MAIN CHARACTERISTICS

Applications	Street and urban 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. S05: Asymmetrical optic for street, urban and green areas lighting. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns.</p> <p>Colour temperature: 4000K (3000K optional) CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 168 lm/W @ 525mA, Tj=85°C</p>
Insulation class	II, I
Protection degree	IP66 IK08 total
Tilt angle	Adjustable
Mounting	Brackets MT, AD/Q5, Post-top Ø60mm.
Gear tray	Removable
LED Modules	Removable / Replaceable
Dimensions and weight	See the drawing - 16 kg
Exposed surface	Side: 0.10m ² – Top: 0.29m ²
Operating temperature	-40°C / +35°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



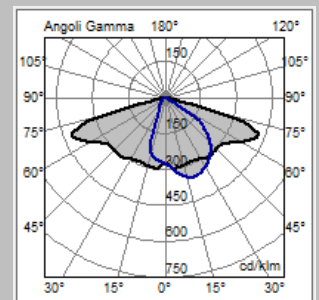
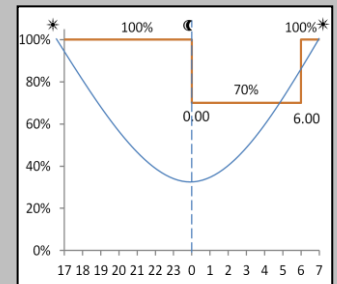
ELECTRICAL CHARACTERISTICS

Rated voltage	220÷240V 50/60Hz
Power factor	>0,9 (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)	<p>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.</p>
Optical unit lifetime (Tq=25°C, 700mA)	<p>>100.000hr L90B10 >100.000hr L90, TM-21</p>

MATERIALS

Fixing	Extruded aluminium EN AW - UNI EN 755
Lower frame and canopy	Die-cast aluminium UNI EN 1706
Heatsink	Extruded aluminium
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
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)
Q5 QUADRO 0F2H1 4.5-3M	S05 STU-M STU-S SV	5420	44	123	6552	39
Q5 QUADRO 0F2H1 4.5-4M		7010	57	122	8736	52
Q5 QUADRO 0F2H1 4.5-5M		9240	72	128	10920	65
Q5 QUADRO 0F2H1 4.5-6M		10890	85	128	13104	78
Q5 QUADRO 0F2H1 4.7-3M	S05 STU-M STU-S SV	6890	58	118	8295	54
Q5 QUADRO 0F2H1 4.7-4M		8810	76	115	11060	72
Q5 QUADRO 0F2H1 4.7-5M		11650	95	122	13825	90
Q5 QUADRO 0F2H1 4.7-6M		13790	114	120	16590	108
Q5 QUADRO 0F3 4.5-3M	STE-M STE-S STW	7340	57	128	8850	51
Q5 QUADRO 0F3 4.5-4M		9750	76	128	11800	68
Q5 QUADRO 0F3 4.5-5M		12470	95	131	14750	85
Q5 QUADRO 0F3 4.5-6M		14870	112	132	17700	102
Q5 QUADRO 0F3 4.7-3M	STE-M STE-S STW	9230	76	121	11205	72
Q5 QUADRO 0F3 4.7-4M		12300	102	120	14940	96
Q5 QUADRO 0F3 4.7-5M		15630	127	123	18675	120
Q5 QUADRO 0F3 4.7-6M		18660	150	124	22410	144

*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)
Q5 QUADRO 0F2H1 3.5-3M	S05 STU-M STU-S SV	5040	44	114	5970	39
Q5 QUADRO 0F2H1 3.5-4M		6520	57	114	7960	52
Q5 QUADRO 0F2H1 3.5-5M		8590	72	119	9950	65
Q5 QUADRO 0F2H1 3.5-6M		10130	85	119	11940	78
Q5 QUADRO 0F2H1 3.7-3M	S05 STU-M STU-S SV	6410	58	110	7560	54
Q5 QUADRO 0F2H1 3.7-4M		8190	76	107	10080	72
Q5 QUADRO 0F2H1 3.7-5M		10830	95	114	12600	90
Q5 QUADRO 0F2H1 3.7-6M		12820	114	112	15120	108
Q5 QUADRO 0F3 3.5-3M	STE-M STE-S STW	6830	57	119	8103	51
Q5 QUADRO 0F3 3.5-4M		9070	76	119	10804	68
Q5 QUADRO 0F3 3.5-5M		11600	95	122	13505	85
Q5 QUADRO 0F3 3.5-6M		13830	112	123	16206	102
Q5 QUADRO 0F3 3.7-3M	STE-M STE-S STW	8580	76	112	10260	72
Q5 QUADRO 0F3 3.7-4M		11440	102	112	13680	96
Q5 QUADRO 0F3 3.7-5M		14540	127	114	17100	120
Q5 QUADRO 0F3 3.7-6M		17350	150	115	20520	144

*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%.

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