

## Q5 PRO TRIO

### 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. 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
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66   IK08 total
<b>Tilt angle</b>	Adjustable
<b>Mounting</b>	Brackets MT, AD/Q3, Post-top Ø60mm.
<b>Gear tray</b>	Removable
<b>LED Modules</b>	Removable
<b>Dimensions and weight</b>	See the drawing - 16 kg
<b>Exposed surface</b>	Side: 0.10m <sup>2</sup> – Top: 0.29m <sup>2</sup>
<b>Operating temp.</b>	-40°C / +35°C
<b>Storage temperature</b>	-40°C / +80°C
<b>Main reference standards</b>	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



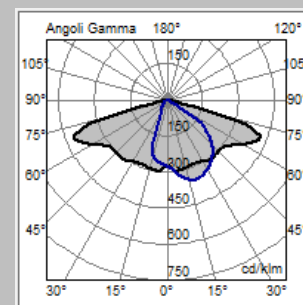
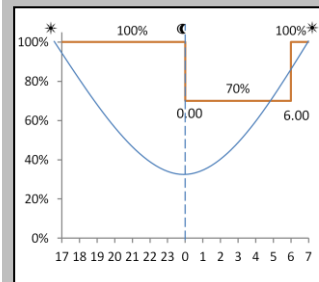
### ELECTRICAL CHARACTERISTICS

<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,9 (at full load)
<b>Connection</b>	For cables max section 4mm <sup>2</sup>
<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 dimmerable. DA: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA profile. FLC: Constant light flux. DALI: Digital dimming interface DALI.
<b>Optical unit lifetime (Tq=25°C, 700mA)</b>	>100.000hr L90B10 >100.000hr L90, TM-21

### MATERIALS

<b>Fixing</b>	Extruded aluminium EN AW - UNI EN 755
<b>Lower frame and canopy</b>	Die-cast aluminium UNI EN 1706
<b>Heatsink</b>	Extruded aluminium
<b>Optic</b>	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass, 4mm thickness
<b>Cable gland</b>	Metallic M20x1,5 - IP68
<b>Colour</b>	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 PRO 0F2H1 4.5-3M	S05 STU-M STU-S SV	5420	44	123	6552	39
Q5 PRO 0F2H1 4.5-4M		7010	57	122	8736	52
Q5 PRO 0F2H1 4.5-5M		9240	72	128	10920	65
Q5 PRO 0F2H1 4.5-6M		10890	85	128	13104	78
Q5 PRO 0F2H1 4.7-3M	S05 STU-M STU-S SV	6890	58	118	8295	54
Q5 PRO 0F2H1 4.7-4M		8810	76	115	11060	72
Q5 PRO 0F2H1 4.7-5M		11650	95	122	13825	90
Q5 PRO 0F2H1 4.7-6M		13790	114	120	16590	108
Q5 PRO 0F3 4.5-3M	STE-M STE-S STW	7340	57	128	8850	51
Q5 PRO 0F3 4.5-4M		9750	76	128	11800	68
Q5 PRO 0F3 4.5-5M		12470	95	131	14750	85
Q5 PRO 0F3 4.5-6M		14870	112	132	17700	102
Q5 PRO 0F3 4.7-3M	STE-M STE-S STW	9230	76	121	11205	72
Q5 PRO 0F3 4.7-4M		12300	102	120	14940	96
Q5 PRO 0F3 4.7-5M		15630	127	123	18675	120
Q5 PRO 0F3 4.7-6M		18660	150	124	22410	144
Q5 PRO 0F6 4.5-3M	ASC-4W	14750	112	131	17703	105
Q5 PRO 0F6 4.5-3M	ASC-5W	14470	112	129	17703	105
Q5 PRO 0F6 4.5-3M	ASC-6W	14270	112	127	17703	105
Q5 PRO 0F6 4.5-3M	ASC-7W	14050	112	125	17703	105

\*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 PRO 0F2H1 3.5-3M	S05 STU-M STU-S SV	5040	44	114	5970	39
Q5 PRO 0F2H1 3.5-4M		6520	57	114	7960	52
Q5 PRO 0F2H1 3.5-5M		8590	72	119	9950	65
Q5 PRO 0F2H1 3.5-6M		10130	85	119	11940	78
Q5 PRO 0F2H1 3.7-3M	S05 STU-M STU-S SV	6410	58	110	7560	54
Q5 PRO 0F2H1 3.7-4M		8190	76	107	10080	72
Q5 PRO 0F2H1 3.7-5M		10830	95	114	12600	90
Q5 PRO 0F2H1 3.7-6M		12820	114	112	15120	108
Q5 PRO 0F3 3.5-3M	STE-M STE-S STW	6830	57	119	8103	51
Q5 PRO 0F3 3.5-4M		9070	76	119	10804	68
Q5 PRO 0F3 3.5-5M		11600	95	122	13505	85
Q5 PRO 0F3 3.5-6M		13830	112	123	16206	102
Q5 PRO 0F3 3.7-3M	STE-M STE-S STW	8580	76	112	10260	72
Q5 PRO 0F3 3.7-4M		11440	102	112	13680	96
Q5 PRO 0F3 3.7-5M		14540	127	114	17100	120
Q5 PRO 0F3 3.7-6M		17350	150	115	20520	144
Q5 PRO 0F6 3.5-3M	ASC-4W	13720	112	122	15570	105
Q5 PRO 0F6 3.5-3M	ASC-5W	13460	112	120	15570	105
Q5 PRO 0F6 3.5-3M	ASC-6W	13270	112	118	15570	105
Q5 PRO 0F6 3.5-3M	ASC-7W	13070	112	116	15570	105

\*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:  $\pm 7\%$ . Power tolerance:  $\pm 5\%$ .

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