

## Q-DROME

### MAIN CHARACTERISTICS

<b>Applications</b>	Street and urban lighting.
<b>Optic</b>	STU-S: Asymmetrical optic for street, urban and cycle-path lighting (narrow emission). STU-M: Asymmetrical optic for street, urban and cycle-path lighting (medium emission). STU-W: Asymmetrical optic for wide urban and suburban road lighting. S03: Asymmetrical optic for wide urban and suburban road lighting. STA: Asymmetrical optic for long interdistance and wide roads. Colour temperature: 4000K (3000K optional)   CRI ≥ 70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP LED source efficiency: 174 lm/W @ 400mA, Tj=85°C, 4000K
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66   IK08 total
<b>Dimensions</b>	See the drawing
<b>Weight</b>	max 5.2 kg
<b>Exposed surface</b>	Side: 0.03m <sup>2</sup> – Top: 0.11m <sup>2</sup>
<b>Mounting</b>	TP: Bracket or Post-top Ø33mm ÷ Ø60mm (Ø76mm optional). AM: Wall mounting (optional).
<b>Tilt Angle</b>	TP: Post-top: 0°, +5°, +10°, +15°, +20°   Bracket: +5°, 0°, -5°, -10°, -15°, -20° AM: 0°
<b>LED Modules</b>	Removable / Replaceable.
<b>Gear tray</b>	Removable
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temperature</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

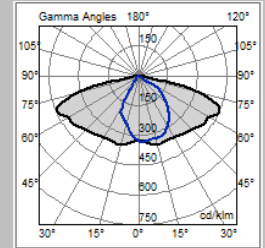


### ELECTRICAL CHARACTERISTICS

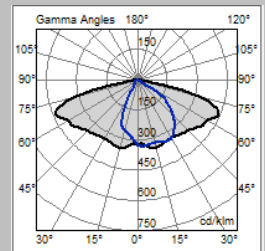
<b>Rated voltage</b>	220÷240V 50/60Hz
<b>Power factor</b>	>0,95 (at full load F, DA, DAC)
<b>Mains connection</b>	For cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	Up to 10kV   With SPD (optional): 10kV / 10kV CM/DM
<b>SPD (optional)</b>	10kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
<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. 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, 500mA)</b>	>100.000hr L90B10 >100.000hr L90, TM21

### MATERIALS

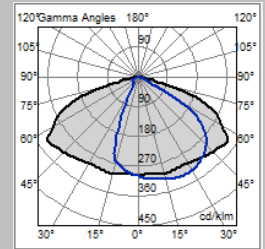
<b>Fixing</b>	TP: Die-cast aluminum powder painted. AM: Galvanized steel powder painted.
<b>Body</b>	Die-cast aluminum UNI EN1706 powder painted.
<b>Closure hook</b>	Stainless steel spring.
<b>Optic</b>	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
<b>Screen</b>	Flat tempered glass, 5mm thickness high transparency.
<b>Cable gland</b>	Plastic M20x1.5 - IP68
<b>Gasket</b>	Polyurethane
<b>Colour</b>	Graphite - Cod. 01



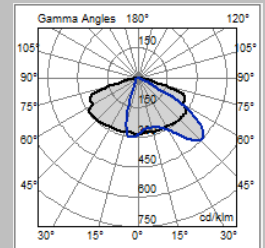
STU-S Optic



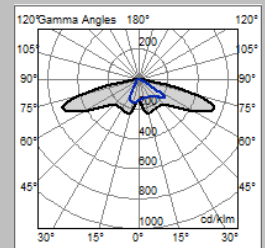
STU-M Optic



STU-W Optic



S03 Optic



STA Optic

All the published photometrical data has been obtained according to applicable international standards





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)
Q-DROME 2Z8 4.40-1M	STU-M	400	2730	21.5	126	3175	18
Q-DROME 2Z8 4.40-2M	STU-S		5460	40.5	134	6351	36
Q-DROME 2Z8 4.40-3M	STU-W		8150	59.5	136	9526	54
Q-DROME 2Z8 4.50-1M	STU-M	500	3250	27	120	3896	23
Q-DROME 2Z8 4.50-2M	STU-S		6550	51.5	127	7792	46
Q-DROME 2Z8 4.50-3M	STU-W		9720	75.5	128	11688	68
Q-DROME 2Z8 4.40-1M	S03	400	2670	21.5	124	3175	18
Q-DROME 2Z8 4.40-2M			5350	40.5	132	6351	36
Q-DROME 2Z8 4.40-3M			7980	59.5	134	9526	54
Q-DROME 2Z8 4.50-1M	S03	500	3180	27	117	3896	23
Q-DROME 2Z8 4.50-2M			6420	51.5	124	7792	46
Q-DROME 2Z8 4.50-3M			9530	75.5	126	11688	68
Q-DROME 2Z6 4.40-1M	STA	400	1970	17	115	2382	13
Q-DROME 2Z6 4.40-2M			3930	31.5	124	4763	27
Q-DROME 2Z6 4.40-3M			5890	46	128	7145	40
Q-DROME 2Z6 4.50-1M	STA	500	2380	21.5	110	2922	17
Q-DROME 2Z6 4.50-2M			4740	40	118	5844	34
Q-DROME 2Z6 4.50-3M			7090	58.5	121	8766	51

\*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:  $\pm 5\%$ .

Power tolerance with ZHAGA version or power supply D4i/SR:  $\pm 10\%$ .

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)
Q-DROME 2Z8 3.40-1M	STU-M	400	2670	21.5	124	3112	18
Q-DROME 2Z8 3.40-2M	STU-S		5350	40.5	132	6224	36
Q-DROME 2Z8 3.40-3M	STU-W		7980	59.5	134	9336	54
Q-DROME 2Z8 3.50-1M	STU-M	500	3180	27	117	3818	23
Q-DROME 2Z8 3.50-2M	STU-S		6420	51.5	124	7636	46
Q-DROME 2Z8 3.50-3M	STU-W		9530	75.5	126	11455	68
Q-DROME 2Z8 3.40-1M	S03	400	2620	21.5	121	3112	18
Q-DROME 2Z8 3.40-2M			5240	40.5	129	6224	36
Q-DROME 2Z8 3.40-3M			7820	59.5	131	9336	54
Q-DROME 2Z8 3.50-1M	S03	500	3120	27	115	3818	23
Q-DROME 2Z8 3.50-2M			6290	51.5	122	7636	46
Q-DROME 2Z8 3.50-3M			9340	75.5	123	11455	68
Q-DROME 2Z6 3.40-1M	STA	400	1930	17	113	2334	13
Q-DROME 2Z6 3.40-2M			3850	31.5	122	4668	27
Q-DROME 2Z6 3.40-3M			5770	46	125	7002	40
Q-DROME 2Z6 3.50-1M	STA	500	2330	21.5	108	2864	17
Q-DROME 2Z6 3.50-2M			4640	40	116	5727	34
Q-DROME 2Z6 3.50-3M			6950	58.5	118	8591	51

\*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%.

Power tolerance with ZHAGA version or power supply D4i/SR: ±10%.

The characteristics of the product listed above are subjected to change without notice.