



## Q-DROME

### MAIN CHARACTERISTICS

<b>Applications</b>	Street lighting.
<b>Optic</b>	<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.                  SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns.                  S05/S07: Asymmetrical optic for street, urban and green areas lighting.                  STA: Asymmetrical optic for wide urban road and cycle-path lighting.                  Colour temperature: 4000K, 3000K, 2700K, 2200K (others in option)   CRI ≥ 70                  LOR= 100%, DLOR= 100%, ULOR= 0%                  Photobiological safety class: EXEMPT GROUP                  LED source efficiency: 185 lm/W @ 140mA, Tj=85°C, 4000K</p>
<b>Insulation class</b>	II, I
<b>Protection degree</b>	IP66/IP67   IK08 total
<b>Dimensions</b>	See the drawing
<b>Weight</b>	max 5.5 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.
<b>Tilt Angle</b>	TP: Post-top: 0°/+20° (step 5°)   Bracket: +5°/-20° (step 5°) AM: 0°
<b>LED Modules</b>	Removable / Replaceable.
<b>Gear tray</b>	Removable
<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 (Standard tolerance +/-10%, other voltages and tolerances upon request)
<b>Power factor</b>	>0,95 (at full load - F, DA, DAC)
<b>Mains connection</b>	terminal block for cables max section 4mm <sup>2</sup>
<b>Surge protection</b>	Up to 12kV With SPD: CL.II: 10kV / 10kV CM/DM   CL.I: 12kV / 10kV CM/DM Without SPD: CL.II: 10kV / 6kV CM/DM   CL.I: 10kV / 6kV CM/DM
<b>SPD (optional)</b>	12kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
<b>Control system (options)</b>	<p>F: Fixed power not dimmable.                  DA: Automatic dimming (virtual midnight) with default profile.                  DAC: Custom DA profile.                  FLC: Constant light flux.                  DALI: Digital dimming interface DALI.                  NEMA: Socket 7 pin (ANSI C136.41).                  ZHAGA: Socket 4 pin (ZHAGA Book 18).</p>
<b>Optical unit lifetime (Tq=25°C)</b>	>100.000hr L90B10 >100.000hr L90, TM-21

### 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



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 5P5 7040.060-1M	STE-M STU-M STA SV	60	1650	11.9	138.6	1847	9.4
Q-DROME 5P5 7040.060-2M			3320	23	144.3	3694	18.8
Q-DROME 5P5 7040.060-3M			4970	33.8	147	5541	28.2
Q-DROME 5P5 7040.060-4M			6680	43.4	153.9	7387	37.6
Q-DROME 5P5 7040.100-1M		100	2700	19.1	141.3	3023	16
Q-DROME 5P5 7040.100-2M			5400	37.4	144.3	6046	31.9
Q-DROME 5P5 7040.100-3M			8080	54.8	147.4	9069	47.9
Q-DROME 5P5 7040.100-4M			10760	72	149.4	12092	63.8
Q-DROME 5P5 7040.140-1M		140	3720	26.8	138.8	4150	22.7
Q-DROME 5P5 7040.140-2M			7390	52.3	141.3	8299	45.4
Q-DROME 5P5 7040.140-3M			11050	76.7	144	12449	68
Q-DROME 5P5 7040.140-4M			14550	102	142.6	16598	90.7
Q-DROME 5P5 7040.060-1M	S05 S07 STE-S STU-S	60	1610	11.9	135.2	1847	9.4
Q-DROME 5P5 7040.060-2M			3230	23	140.4	3694	18.8
Q-DROME 5P5 7040.060-3M			4850	33.8	143.4	5541	28.2
Q-DROME 5P5 7040.060-4M			6530	43.4	150.4	7387	37.6
Q-DROME 5P5 7040.100-1M		100	2640	19.1	138.2	3023	16
Q-DROME 5P5 7040.100-2M			5270	37.4	140.9	6046	31.9
Q-DROME 5P5 7040.100-3M			7900	54.8	144.1	9069	47.9
Q-DROME 5P5 7040.100-4M			10520	72	146.1	12092	63.8
Q-DROME 5P5 7040.140-1M		140	3640	26.8	135.8	4150	22.7
Q-DROME 5P5 7040.140-2M			7230	52.3	138.2	8299	45.4
Q-DROME 5P5 7040.140-3M			10810	76.7	140.9	12449	68
Q-DROME 5P5 7040.140-4M			14230	102	139.5	16598	90.7

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 5P5 7040.060-1M	STW	60	1680	11.9	141.1	1847	9.4
Q-DROME 5P5 7040.060-2M			3380	23	146.9	3694	18.8
Q-DROME 5P5 7040.060-3M			5080	33.8	150.2	5541	28.2
Q-DROME 5P5 7040.060-4M			6820	43.4	157.1	7387	37.6
Q-DROME 5P5 7040.100-1M		100	2760	19.1	144.5	3023	16
Q-DROME 5P5 7040.100-2M			5510	37.4	147.3	6046	31.9
Q-DROME 5P5 7040.100-3M			8260	54.8	150.7	9069	47.9
Q-DROME 5P5 7040.100-4M			11000	72	152.7	12092	63.8
Q-DROME 5P5 7040.140-1M		140	3810	26.8	142.1	4150	22.7
Q-DROME 5P5 7040.140-2M			7560	52.3	144.5	8299	45.4
Q-DROME 5P5 7040.140-3M			11300	76.7	147.3	12449	68
Q-DROME 5P5 7040.140-4M			14880	102	145.8	16598	90.7

\*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:  $\pm 7\%$ . 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 5P5 7030.060-1M	STE-M STU-M STA SV	60	1550	11.9	130.2	1736	9.4
Q-DROME 5P5 7030.060-2M			3120	23	135.6	3472	18.8
Q-DROME 5P5 7030.060-3M			4670	33.8	138.1	5208	28.2
Q-DROME 5P5 7030.060-4M			6280	43.4	144.7	6944	37.6
Q-DROME 5P5 7030.100-1M		100	2540	19.1	132.9	2842	16
Q-DROME 5P5 7030.100-2M			5080	37.4	135.8	5683	31.9
Q-DROME 5P5 7030.100-3M			7600	54.8	138.6	8525	47.9
Q-DROME 5P5 7030.100-4M			10110	72	140.4	11367	63.8
Q-DROME 5P5 7030.140-1M		140	3500	26.8	130.5	3901	22.7
Q-DROME 5P5 7030.140-2M			6950	52.3	132.8	7801	45.4
Q-DROME 5P5 7030.140-3M			10390	76.7	135.4	11702	68
Q-DROME 5P5 7030.140-4M			13680	102	134.1	15602	90.7
Q-DROME 5P5 7030.060-1M	S05 S07 STE-S STU-S	60	1520	11.9	127.7	1736	9.4
Q-DROME 5P5 7030.060-2M			3040	23	132.1	3472	18.8
Q-DROME 5P5 7030.060-3M			4560	33.8	134.9	5208	28.2
Q-DROME 5P5 7030.060-4M			6130	43.4	141.2	6944	37.6
Q-DROME 5P5 7030.100-1M		100	2480	19.1	129.8	2842	16
Q-DROME 5P5 7030.100-2M			4950	37.4	132.3	5683	31.9
Q-DROME 5P5 7030.100-3M			7430	54.8	135.5	8525	47.9
Q-DROME 5P5 7030.100-4M			9890	72	137.3	11367	63.8
Q-DROME 5P5 7030.140-1M		140	3420	26.8	127.6	3901	22.7
Q-DROME 5P5 7030.140-2M			6800	52.3	130	7801	45.4
Q-DROME 5P5 7030.140-3M			10160	76.7	132.4	11702	68
Q-DROME 5P5 7030.140-4M			13380	102	131.1	15602	90.7

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 5P5 7030.060-1M	STW	60	1580	11.9	132.7	1736	9.4
Q-DROME 5P5 7030.060-2M			3180	23	138.2	3472	18.8
Q-DROME 5P5 7030.060-3M			4770	33.8	141.1	5208	28.2
Q-DROME 5P5 7030.060-4M			6410	43.4	147.6	6944	37.6
Q-DROME 5P5 7030.100-1M		100	2590	19.1	135.6	2842	16
Q-DROME 5P5 7030.100-2M			5180	37.4	138.5	5683	31.9
Q-DROME 5P5 7030.100-3M			7760	54.8	141.6	8525	47.9
Q-DROME 5P5 7030.100-4M			10340	72	143.6	11367	63.8
Q-DROME 5P5 7030.140-1M		140	3580	26.8	133.5	3901	22.7
Q-DROME 5P5 7030.140-2M			7110	52.3	135.9	7801	45.4
Q-DROME 5P5 7030.140-3M			10620	76.7	138.4	11702	68
Q-DROME 5P5 7030.140-4M			13990	102	137.1	15602	90.7

\*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:  $\pm 7\%$ . 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, 2700K, 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, 2700K, lm)	RATED LED POWER* (Tj=85°C, W)
Q-DROME 5P5 7027.060-1M	STE-M STU-M STA SV	60	1480	11.9	124.3	1662	9.4
Q-DROME 5P5 7027.060-2M			2990	23	130	3324	18.8
Q-DROME 5P5 7027.060-3M			4470	33.8	132.2	4986	28.2
Q-DROME 5P5 7027.060-4M			6010	43.4	138.4	6649	37.6
Q-DROME 5P5 7027.100-1M		100	2430	19.1	127.2	2721	16
Q-DROME 5P5 7027.100-2M			4860	37.4	129.9	5441	31.9
Q-DROME 5P5 7027.100-3M			7270	54.8	132.6	8162	47.9
Q-DROME 5P5 7027.100-4M			9680	72	134.4	10883	63.8
Q-DROME 5P5 7027.140-1M		140	3350	26.8	125	3735	22.7
Q-DROME 5P5 7027.140-2M			6650	52.3	127.1	7469	45.4
Q-DROME 5P5 7027.140-3M			9950	76.7	129.7	11204	68
Q-DROME 5P5 7027.140-4M			13100	102	128.4	14938	90.7
Q-DROME 5P5 7027.060-1M	S05 S07 STE-S STU-S	60	1450	11.9	121.8	1662	9.4
Q-DROME 5P5 7027.060-2M			2910	23	126.5	3324	18.8
Q-DROME 5P5 7027.060-3M			4370	33.8	129.2	4986	28.2
Q-DROME 5P5 7027.060-4M			5870	43.4	135.2	6649	37.6
Q-DROME 5P5 7027.100-1M		100	2380	19.1	124.6	2721	16
Q-DROME 5P5 7027.100-2M			4740	37.4	126.7	5441	31.9
Q-DROME 5P5 7027.100-3M			7110	54.8	129.7	8162	47.9
Q-DROME 5P5 7027.100-4M			9470	72	131.5	10883	63.8
Q-DROME 5P5 7027.140-1M		140	3280	26.8	122.3	3735	22.7
Q-DROME 5P5 7027.140-2M			6510	52.3	124.4	7469	45.4
Q-DROME 5P5 7027.140-3M			9730	76.7	126.8	11204	68
Q-DROME 5P5 7027.140-4M			12810	102	125.5	14938	90.7

LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 2700K, 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, 2700K, lm)	RATED LED POWER* (Tj=85°C, W)
Q-DROME 5P5 7027.060-1M	STW	60	1520	11.9	127.7	1662	9.4
Q-DROME 5P5 7027.060-2M			3040	23	132.1	3324	18.8
Q-DROME 5P5 7027.060-3M			4570	33.8	135.2	4986	28.2
Q-DROME 5P5 7027.060-4M			6140	43.4	141.4	6649	37.6
Q-DROME 5P5 7027.100-1M		100	2480	19.1	129.8	2721	16
Q-DROME 5P5 7027.100-2M			4960	37.4	132.6	5441	31.9
Q-DROME 5P5 7027.100-3M			7430	54.8	135.5	8162	47.9
Q-DROME 5P5 7027.100-4M			9900	72	137.5	10883	63.8
Q-DROME 5P5 7027.140-1M		140	3430	26.8	127.9	3735	22.7
Q-DROME 5P5 7027.140-2M			6800	52.3	130	7469	45.4
Q-DROME 5P5 7027.140-3M			10170	76.7	132.5	11204	68
Q-DROME 5P5 7027.140-4M			13390	102	131.2	14938	90.7

\*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:  $\pm 7\%$ . 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, 2200K, 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, 2200K, lm)	RATED LED POWER* (Tj=85°C, W)
Q-DROME 5P5 7022.060-1M	STE-M STU-M STA SV	60	1330	11.9	111.7	1496	9.4
Q-DROME 5P5 7022.060-2M			2690	23	116.9	2992	18.8
Q-DROME 5P5 7022.060-3M			4020	33.8	118.9	4488	28.2
Q-DROME 5P5 7022.060-4M			5410	43.4	124.6	5984	37.6
Q-DROME 5P5 7022.100-1M		100	2190	19.1	114.6	2449	16
Q-DROME 5P5 7022.100-2M			4370	37.4	116.8	4897	31.9
Q-DROME 5P5 7022.100-3M			6540	54.8	119.3	7346	47.9
Q-DROME 5P5 7022.100-4M			8720	72	121.1	9795	63.8
Q-DROME 5P5 7022.140-1M		140	3010	26.8	112.3	3361	22.7
Q-DROME 5P5 7022.140-2M			5990	52.3	114.5	6722	45.4
Q-DROME 5P5 7022.140-3M			8950	76.7	116.6	10083	68
Q-DROME 5P5 7022.140-4M			11790	102	115.5	13445	90.7
Q-DROME 5P5 7022.060-1M	S05 S07 STE-S STU-S	60	1310	11.9	110	1496	9.4
Q-DROME 5P5 7022.060-2M			2620	23	113.9	2992	18.8
Q-DROME 5P5 7022.060-3M			3930	33.8	116.2	4488	28.2
Q-DROME 5P5 7022.060-4M			5290	43.4	121.8	5984	37.6
Q-DROME 5P5 7022.100-1M		100	2140	19.1	112	2449	16
Q-DROME 5P5 7022.100-2M			4270	37.4	114.1	4897	31.9
Q-DROME 5P5 7022.100-3M			6400	54.8	116.7	7346	47.9
Q-DROME 5P5 7022.100-4M			8520	72	118.3	9795	63.8
Q-DROME 5P5 7022.140-1M		140	2950	26.8	110	3361	22.7
Q-DROME 5P5 7022.140-2M			5860	52.3	112	6722	45.4
Q-DROME 5P5 7022.140-3M			8760	76.7	114.2	10083	68
Q-DROME 5P5 7022.140-4M			11530	102	113	13445	90.7



LUMINAIRE	OPTIC	LED CURRENT (mA)	RATED LUMINAIRE FLUX* (Tq=25°C, 2200K, 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, 2200K, lm)	RATED LED POWER* (Tj=85°C, W)
Q-DROME 5P5 7022.060-1M	STW	60	1360	11.9	114.2	1496	9.4
Q-DROME 5P5 7022.060-2M			2740	23	119.1	2992	18.8
Q-DROME 5P5 7022.060-3M			4110	33.8	121.5	4488	28.2
Q-DROME 5P5 7022.060-4M			5530	43.4	127.4	5984	37.6
Q-DROME 5P5 7022.100-1M		100	2240	19.1	117.2	2449	16
Q-DROME 5P5 7022.100-2M			4460	37.4	119.2	4897	31.9
Q-DROME 5P5 7022.100-3M			6690	54.8	122	7346	47.9
Q-DROME 5P5 7022.100-4M			8910	72	123.7	9795	63.8
Q-DROME 5P5 7022.140-1M		140	3090	26.8	115.2	3361	22.7
Q-DROME 5P5 7022.140-2M			6120	52.3	117	6722	45.4
Q-DROME 5P5 7022.140-3M			9150	76.7	119.2	10083	68
Q-DROME 5P5 7022.140-4M			12050	102	118.1	13445	90.7

\*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:  $\pm 7\%$ . 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.