



Falcon Mini CL2070 S

Die-Cast Aluminium Housing



GENERAL INFORMATION

| | |
|----------------------------------|---|
| Mounting Module | Post top or side entry from 25-45Ø Post top or side entry from 42- 60Ø Post top or side entry from 60-76Ø (optional) Spigot entry 100mm |
| Mounting Module Tilt Angles | Post top/side entry 0, +5,+10, +15 |
| Operating Temperature | -40°C / +55°C |
| Storage Temperature | -40°C / +80°C |
| Glass Mounting Options | Capsule mounting system |
| LED Modules | Removable / Replaceable optical unit |
| Lens Options | COL 1030 (standard) Project-specific lens selection |
| Main Reference Company Standards | EN 62777, EN 62722-1, EN 62722-2-1, EN 60598-1, EN 60598-2-3, EN 62471, EN 60068-2-11, EN60068-2-52, ISO9227, ASTM B117, ASTM D3359-78, ISO 4628-2, ISO 4628-4, EN 60529, EN 62262, ANSIC136.10-2017, ANSI C136.2-2018, EN 62031, IEC 62384, ASTM D3359, EN ISO 2409, IES LM 80-15, IES LM 82-12, IES LM 84-14, IES LM 85-14, IES TM 21-11, CE, CB, RoHS, ISO9001, ISO14001, ISO18001, ISO5001, ISO45001, ISO39001, EAC, TURKAK |

HOUSING AND MATERIALS

| | |
|---------------------------|--|
| Housing | Non corrosive high pressure die-cast aluminium |
| Optic | PMMA or PC |
| Gasket | Silicon or polyurethane without junction points. |
| Housing Finish | UNI EN1706 powder painted |
| Refractor | Tempered glass min. 4mm high transparency UV resistant (optional) |
| Cable Gland | IP66, Plastic PG9, IP67 (optional), IP68 (optional) |
| Standard Colour | RAL7021 Metallic |
| Tightness Level | IP66, IP67 (optional), IP68 (optional) |
| Impact Housing Resistance | IK10 (20 J) |
| Impact Glass Resistance | IK08 (5 J), IK09 (optional) (10 J), IK10 (optional) (20 J) |
| Vibration Test | Compliant with modified IEC 68-2-6 (0.5G), ANSI C136.31 (3G-5G) |

ELECTRICAL INFORMATION

| | |
|-------------------------------------|---|
| Electrical Class | Class I, Class II (optional) |
| Nominal Voltage | 220-240V 50 / 60 Hz EU 110-277V 50 / 60 Hz (optional) NORTH AMERICA |
| Led Current | 350 mA, 500 mA, 700 mA, 925 mA, 1050 mA |
| Power Factor | ≥0.9 (at full load) |
| Driver | Constant current, thermal protected, voltage regulated, harmonic filter protection |
| Surge protection options (kV) | 6 Kv (standard) 10 kV (optional) with LED signal and thermo fuse to disconnect load at the end of life 20 kV (optional) with LED signal and thermo fuse to disconnect load at the end of life |
| Control system | on-off (standard), Bluetooth, DALI, 1-10V DIM, stand alone automation |
| Socket | NEMA 4-pin (ZHAGA book 18) (optional) NEMA 5-pin (ANSI C136.41) (optional) NEMA 7-pin (ANSI C136.41) (optional) |
| Sensor | PIR (optional), Photocell (optional), Daylight (optional) |
| Mains connection | For cable max section 2.5 mm ² Outgoing cable H05RN-F 2/3/5 x 1.5 mm ² Length on request, (optional) |
| Electromagnetic compatibility (EMC) | IEC 61000, EN 55015, IEC 61000-3-2, IEC 61000-4-5, IEC 61547, IEC 61000-3-3, IEC 61000-4-2, IEC 61000-2-2, IEC 61000-4-11, IEC 61643-11 |

OPTICAL INFORMATION

| | |
|------------------------------|--|
| Led colour temperature | 2700K (warm white), 3000K (warm white), 4000K (neutral white) (standard), 5000K (cool white), 5700K (cool white), 6500K (cool white), Other (amber, blue, green, red) |
| Colour rendering index (CRI) | CRI ≥70, CRI ≥80 (optional), CRI ≥90 (optional) |
| Upward light output ratio | 0% |
| Photobiological safety class | IEC 62471, EN 62778 EXEMPT GROUP |
| Testing standard | LM 79-19, EN 13032-1 (all measurements in ISO17025 accredited laboratory) |
| Lifetime of the LED's | Tq= 25 °, 700 Ma 187.000h - L90B10 Tq= 55 °, 700 Ma 156.000h - L90B10 |



www.cemdag.com
cemdag@cemdag.com
+90 232 444 4 236
CEM

Falcon Mini CL2070 S

Die-Cast Aluminium Housing



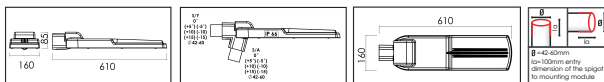
| Number of Power LED's / Rating / Current | Luminaire Output Flux (lm) | | W (mm) | L (mm) | h (mm) | Item / Box | Average Weight (kg) | Order Code | System Lumen / W (lm) | |
|--|----------------------------|------|--------|--------|--------|------------|---------------------|---------------------|-----------------------|------|
| | max. | min. | | | | | | | max. | min. |
| 32 / 16W - 350 mA | 2400 | 1840 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0016NW-ECG | 150 | 115 |
| 32 / 24W - 500 mA | 3600 | 2760 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0024NW-ECG | 150 | 115 |
| 32 / 30W - 600 mA | 4500 | 3450 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0030NW-ECG | 150 | 115 |
| 32 / 35W - 700 mA | 5250 | 4025 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0035NW-ECG | 150 | 115 |
| 32 / 40W - 800 mA | 6000 | 4600 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0040NW-ECG | 150 | 115 |
| 32 / 50W - 925 mA | 7500 | 5750 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0050NW-ECG | 150 | 115 |
| 32 / 60W - 1050 mA | 9000 | 6900 | 160 | 610 | 85 | 1 | 3.30 | L2070-LED0060NW-ECG | 150 | 115 |

Depending on the luminaire configuration. For more details, please contact us. Tolerance on LED flux is +/-7% and on total luminaire power +/- 5%.

Main Applications



Highways & Secondary Roads Residential Areas Parks Car Parks Environment Lighting & Industrial Areas Roundabouts Street and Avenue



www.cemdag.com
cemdag@cemdag.com
 +90 232 444 4 236
CEM

Cemdag reserve the right to modify design and/or production characteristics of their products, photographs and data used in this catalogue are for illustrative purposes are not binding on the company.

The copying or reproduction, in part or in full, of any descriptions, technical data drawings or photographs shown in this catalogue is expressly forbidden.

