



# Tube Matrix CL4025

## Die-Cast Aluminium Housing



### GENERAL INFORMATION

|                                  |  |
|----------------------------------|--|
| Mounting Module                  | Z Track System   |
| Operating Temperature            | -40°C / +55°C<br>-40°C / +70°C (optional)  |
| Storage Temperature              | -40°C / +80°C  |
| Glass Mounting Options           | Capsule mounting system  |
| LED Modules                      | Removable / Replaceable optical unit   |
| Lens Options                     | COL 1530 (standard)<br>Project-specific lens selection   |
| Main Reference Company Standards | EN 62717, EN 62722-1, EN 62722-2-1, EN 60598-1, EN 60598-2-5, 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, ANSI C136.10-2017, 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, 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<br>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)<br>10 kV (optional) with LED signal and thermo fuse to disconnect load at the end of life<br>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)<br>NEMA 5-pin (ANSI C136.41) (optional)<br>NEMA 7-pin (ANSI C136.41) (optional)   |
| Sensor                              | PIR (optional), Photocell (optional), Daylight (optional)   |
| Mains connection                    | For cable max section 2,5 mm <sup>2</sup><br>Outgoing cable H05RN-F 2/3/5 x 1,5 mm <sup>2</sup><br>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<br>Tq = 55 °, 700 Ma 156.000h - L90B10  |



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| Number of Power LED's /<br>Rating / Current | Luminaire Output Flux (lm) |       | W (mm) | L (mm) | h (mm) | Item / Box | Average<br>Weight (kg) | Order Code          | System Lumen / W (lm) |      |
|---|----------------------------|-------|--------|--------|--------|------------|------------------------|---------------------|-----------------------|------|
|   | max.                       | min.  |        |        |        |            |                        |                     | max.                  | min. |
| 32 / 35W - 350 mA                           | 5250                       | 4025  | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED0035NW-ECG | 150                   | 115  |
| 32 / 50W - 500 mA                           | 7500                       | 5750  | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED0050NW-ECG | 150                   | 115  |
| 32 / 70W - 700 mA                           | 10500                      | 8050  | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED0070NW-ECG | 150                   | 115  |
| 32 / 95W - 925 mA                           | 14250                      | 10925 | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED0095NW-ECG | 150                   | 115  |
| 32 / 110W - 1050 mA                         | 16500                      | 12650 | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED0110NW-ECG | 150                   | 115  |
| 64 / 70W - 350 mA                           | 10500                      | 8050  | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED2070NW-ECG | 150                   | 115  |
| 64 / 100W - 500 mA                          | 15000                      | 11500 | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED2100NW-ECG | 150                   | 115  |
| 64 / 140W - 700 mA                          | 21000                      | 16100 | 539    | 204    | 66     | 1          | 4.70                   | L4025-LED2140NW-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%.

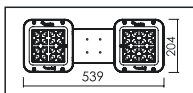
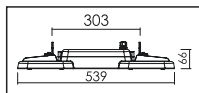
### Main Applications



Tunnels



Underpasses



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