

CORE

MINI CORE

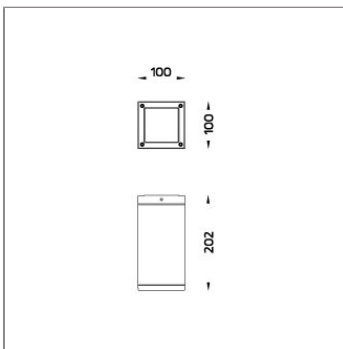
CEILING MOUNT LIGHT



LAST UPDATE: 03-09-2025



Characterized by clean and clear-cut lines CORE is a family of square wall light, ceiling light, bollard and pole lights. CORE is available in two sizes and equipped with COB LED/ High Power LED in three color temperatures with exceptional color consistency. It is also available in HID version as well as with E27 holder for Led Retrofit lamps. The computer-aided-design of the parabolic reflector provides a quality light distribution. The housing is dust and water protected through the extensive engineering design and testing. CORE is recommended to illuminate columns, facades, walkways, parks and various architectural design works. The pole lights give a great level of downward light with symmetric wide beam, asymmetric forward throw or side throw light distributions.



Technical Data



| | |
|-----------------------|--------------------|
| Ordering Code : | 4112-A-5-901-XX |
| Lamp : | LED |
| Beam : | 13° |
| CCT : | 3000 K |
| CRI : | CRI >80 |
| SDCM : | SDCM = 3 |
| Lamp Lumen : | 1850 lm |
| Luminaire Lumen : | 1410 lm |
| Lamp Wattage : | 12 W |
| Luminaire Wattage : | 14 W |
| Efficacy : | 100 lm/W |
| Ambient Temperature : | 50°C |
| Lumen Maintenance | L70B10 >60,000 h |
| Controller : | DALI |
| Input Voltage : | 220-240Vac 50/60Hz |
| Net Weight : | - kg. |

Ordering code guide

XXXX-X-X-XXX-XX

A B C D E

- A Product Code
- B Reflector
- C Electrical Component
- D Lamp
- E Color



Icon definition

*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

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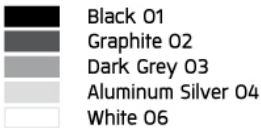
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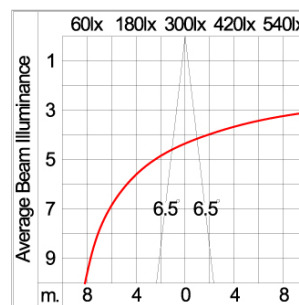
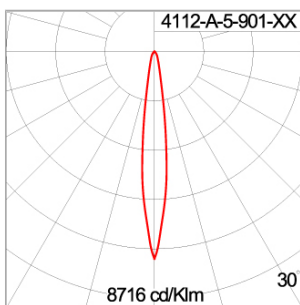


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Specification

| | |
|-------------------------|--|
| IEC Standard | IEC 60598-1 General Requirement IEC 60598-2-1 Fixed Luminaires |
| Protection | IP65 Class I |
| IK Rating | Protection against mechanical impact IK10 on body and IK09 on optical part. |
| Luminaires Body Housing | Durable high-pressure die-cast aluminum alloy for excellent mechanical performance. Extruded 6063 aluminum body with minimal copper content for corrosion resistance. |
| Coating Process | The luminaire undergoes a Nano Ceramic surface conversion, making it highly resistant to corrosive environments. It is primarily coated with a durable epoxy resin and finished with a UV-stabilized polyester powder top coat. The coating process is completed by curing the luminaire in a digitally controlled temperature chamber at 200°C, ensuring exceptional durability and long-lasting protection aga |
| Diffuser | Impact-resistant tempered glass designed for high-temperature environments. |
| Reflector | Anodized spun aluminum reflector for high durability and performance. |
| Gasket | Advanced post-cured silicone gasket offering superior weather and thermal resistance [-40°C to +200°C]. |
| External Screws | Durable stainless steel screws with anti-corrosion grease for extended lifespan. |
| Cable Entry | Weatherproof grommet for secure cable entry, suitable for 5-10mm H05RN-F/H07RN-F cables. |
| Led | COB LED module with high efficiency, mounted on MCPCB for superior thermal management. |
| Driver | DALI constant current LED driver ensuring EMC compliance and safety reliability. |
| Internal Wire | Reliable silicone-insulated tinned copper internal wire, designed for -40°C to +180°C. |
| Terminal Block | Certified GFR PA6.6 terminal block supporting up to 2.5 sqmm cables. Grounded Class 1 luminaire ensuring proper earthing for secure operation. |
| Caution | Installation must be performed as per the provided installation instructions. |
| Color |  Black O1 Graphite O2 Dark Grey O3 Aluminum Silver O4 White O6 |

Light Distribution



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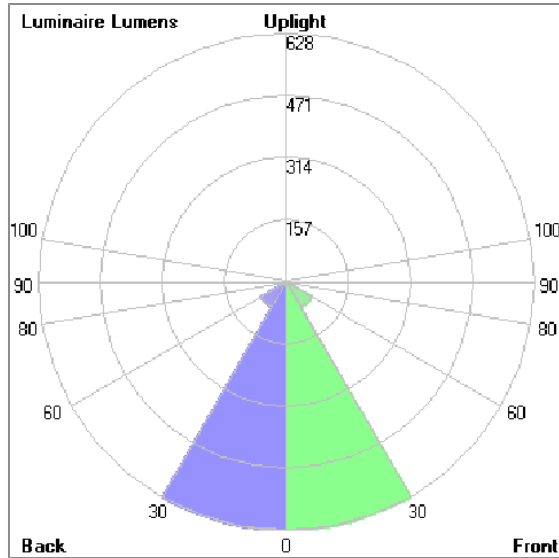
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Bug Report



Lum. Classification System (LCS)

| LCS | Zone | %Lumens | %Lamp | %Lum |
|------------|-----------|----------|-------|-------|
| FL | [0-30] | 627.6 | 33.9 | 44.6 |
| FM | [30-60] | 75.2 | 4.1 | 5.3 |
| FH | [60-80] | 0.7 | 0.0 | 0.0 |
| FVH | [80-90] | 0.1 | 0.0 | 0.0 |
| BL | [0-30] | 627.6 | 33.9 | 44.6 |
| BM | [30-60] | 75.2 | 4.1 | 5.3 |
| BH | [60-80] | 0.7 | 0.0 | 0.0 |
| BVH | [80-90] | 0.1 | 0.0 | 0.0 |
| UL | [90-100] | 0.0 | 0.0 | 0.0 |
| UH | [100-180] | 0.0 | 0.0 | 0.0 |
| Total | | 1407.2 | 76.0 | 100.0 |
| BUG Rating | | B2-U0-G0 | | |

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