

IDL Series

DL8 - LED Downlight



CREE LIGHTING

Product Description

The DL8 downlight of the new IDL series is an unrivalled combination of light quality and efficiency, bringing exceptional performance and value. Available in warm colour temperature (3000K), or natural colour temperature (4000K) and with DALI dimming functions, it can be easily installed in ceiling openings with a diameter of 110-176 mm. Thanks to a wide choice of options and accessories it is flexible to every need.

Applications: Residential and commercial applications, offices and schools.

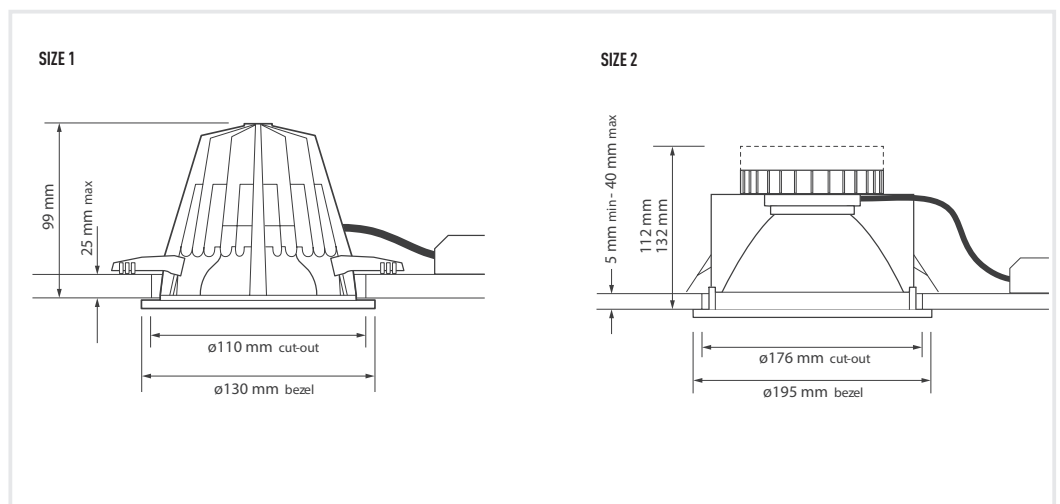


Ordering Information

EX: DL8-A-1S-1L-308-24-WH-FX

| DL8 | A | 1S | 1L | 308 | 24 | WH | FX |
|-------------------|---------|----------------|---------------|------------------|----------------|---------------------------|----------------|
| Product | Version | Size | Lumen Package | CCT | Voltage | Bezel Color | Control Option |
| DL8 IDL Series | A | 1S D. 130mm | 1L 8W | 308 30K 80CRI | 24 220-240V | WH White | FX ON - OFF |
| | | | 2L 14W | 408 40K 80CRI | | BK Black | DL DALI |
| | | 2S D. 195mm | 3L 18W | 308 30K 80CRI | 24 220-240V | WH White | FX ON - OFF |
| | | | 4L 30W | 408 40K 80CRI | | BK Black | DL DALI |
| | | | 5L 48W | | | BA Painted Aluminum | |

| ACCESSORY INFORMATION | | |
|-----------------------|------------------|-----------|
| 1S | IP54 Clear glass | IDL-1S-54 |
| 2S | IP54 Clear glass | IDL-2S-54 |



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FEATURES

- LED Lumen output: Up to 4480lm
- LED module efficiency: up to 131lm/W
- Luminaire efficiency: up to 131lm/W
- CRI 80
- CCT: 3000K, 4000K
- MacAdam steps: 3 SDCM
- Operative temperature: -25°C up to +35°C
- Insulation class: Class II
- Protection Degree: IP20/IK04
- Mounting Options: Recessed
- Expected Lifetime: L80B10 Up to > 50.000 hrs
- Overvoltage protection: 1kV DM / 2kV CM
- UGR value:
 - o S1 from 16 to 19
 - o S2 from 18 to 21

CONSTRUCTION AND MATERIALS

- Durable aluminum housing protects the light source.
- Reflective aluminium optics
-

WARRANTY AND CERTIFICATIONS

- Limited Warranty: 5 years
- Risk group exempt
- Compliant to: EN 60598-1; EN 60598-2-2; EN 61000-4-5 and EN 61547

ELECTRICAL DATA*

| Input Power Designator | System Watts | Total Current | Power Factor |
|------------------------|--------------|---------------|--------------|
| | | @230V, 50Hz | |
| 1S/1L | 8W | 0.07A | 0,9 |
| 1S/2L | 14W | 0.11A | 0,9 |
| 1S/3L | 19W | 0.09A | 0,9 |
| 2S/3L | 18W | 0.08A | 0,9 |
| 2S/4L | 30W | 0.15A | 0,9 |
| 2S/5L | 48W | 0.22A | 0,9 |

* Electrical data at 25°C (77°F)

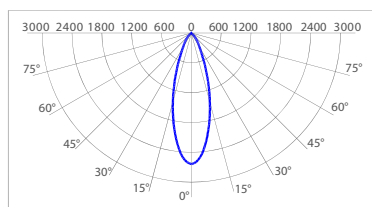
PRODUCT WEIGHT

| | |
|----|--------|
| 1S | 0.6 kg |
| 2S | 1.8 kg |

Photometry

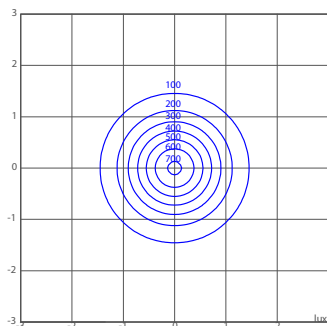
All published luminaire photometric testing performed to IESNA LM-79-08 standards by an external laboratory. To obtain an IES file specific to your project consult: www.creelighting-europe.com.

40° - SPECULAR



cd/klm
— C0 - C180 — C90 - C270

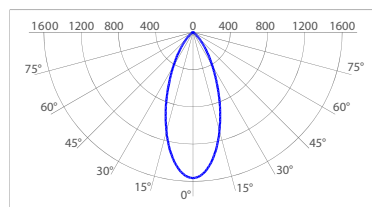
DL8-A-1S-3L-408
 Mounting Height: 3m



| LUMEN OUTPUT - SIZE 1 40° | | |
|---------------------------|---------------------------|---------------------------|
| Input Power Designator | 3000K | 4000K |
| | Initial Delivered Lumens* | Initial Delivered Lumens* |
| 1L | 1020 | 1055 |
| 2L | 1725 | 1787 |
| 3L | 2370 | 2449 |

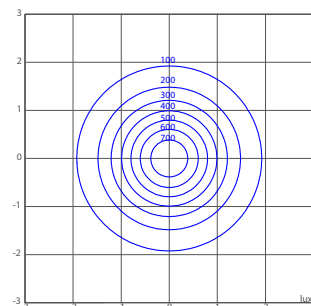
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

40° - SPECULAR



cd/klm
— C0 - C180 — C90 - C270

DL8-A-2S-5L-408
 Mounting Height: 3m



| LUMEN OUTPUT - SIZE 2 40° | | |
|---------------------------|---------------------------|---------------------------|
| Input Power Designator | 3000K | 4000K |
| | Initial Delivered Lumens* | Initial Delivered Lumens* |
| 3L | 1723 | 1867 |
| 4L | 2645 | 2869 |
| 5L | 4130 | 4480 |

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens