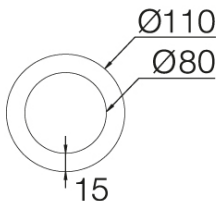
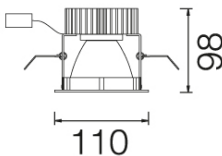


# NUCLEONS OPTIMAL DISPLAY

Small recessed downlights

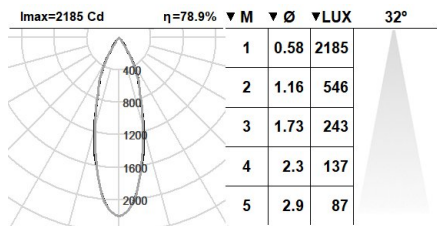


## 108NCL.1-R1148



Recessed ceiling-mounted downlight with symmetrical light distribution to achieve an effective task, accent or ambient lighting.  
Circular design in diameter 110mm.  
Metalized aluminium reflector in assorted finishes: specular or sandblasted depending on the beam angle outcome.  
Powder painted die-cast aluminium trim available in assorted finishes, customized RAL under request.  
Accessory available to increase the protection rating to IP44 from underneath [reference M2.A0110].  
Remote driver supplied. LED module for special applications.  
Electronic options for lighting control: DALI-2.  
The driver contained in this luminaire complies with European Directive 2009/125/EC establishing flicker limits: PstLM ≤ 1 and SVM ≤ 0.4.  
Passive temperature management: heat dissipation flows through aluminium heat sink.  
Ceiling-mounted by spring clamps for easy installation, ceiling thickness up to 25mm.

**Luminaire luminous flux:** 872lm  
**Luminaire connected power:** 12.61 W  
**Light source luminous flux:** 1105lm  
**Light source power:** 11 W  
**Constant Current:** 350 mA  
**CRI:** >90  
**Colour Temperature:** GOLD+  
**Chromaticity Tolerance:** MacAdam 4  
**Beam Angle:** 32°  
**LOR:** 79%  
**Average Service Life:** 50000h  
**LED reliability:** 51000h L80B10  
**UGR:** <16  
**Photobiological safety group:** 1  
**Cd/Klm:** 1978  
**This product contains a light source of energy efficiency class G**



### Electronic Equipment

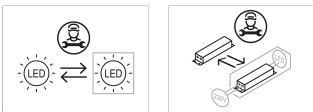
**K:** On/Off (basic)  
**S:** On/Off (AC/DC + looping through)  
**SE:** On/Off (AC/DC+looping) + 3h battery  
**D:** DALI-2/switchDIM/corridorFUNCTION  
**DE:** DALI-2/switchDIM/corridorFUNCTION + Battery 3h  
**B:** Bluetooth-Casambi

\*Add the suffix **-K, -S, -SE, -D, -DE, -B** after the reference to indicate your electronic equipment choice.

### Finishes

**2:** RAL9005: Jet Black, **4:** RAL7016: Anthracite Grey, **7:** RAL9006: White Aluminium, **1:** RAL9010: Pure White

### Upgradeable, Replaceable, Repairable



#### Note

LED technology and performance data are constantly changing. Current details should therefore be checked with ROVASI in order to ensure that it is still the most up to date reference. Updated data will be supplied on request. [Last revised on 20.05.2024]

#### 5 years guarantee



BSI Cert ISO 9001:2015 - n°FM 39346  
BSI Cert ISO 14001:2015 - n°EMS 554685

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