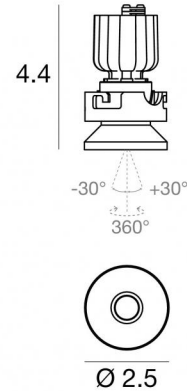




Downlights | 1 x powerLED 8 W | CRI 92 | 4000K | Spot | Embossed white RAL 9003 |  
 Tilttable | Damp location | 700mA  
**LL-E80644-N-15**



Technical data	
Type	Semi-recessed
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Optics	Spot
Light emission direction	downward
Power	8 W
Operation	700mA
Source lumens	796 lm
CCT	4000 K
Color rendering index	92 Ra
Safety class	Class 2
IP	IP44
Optical compartment IP	IP65
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
ETL	Yes
Dimmable article	No
Directional	No
Tilting	Yes
total angle (horizontal plane)	360 °
total angle (vertical plane)	60 °
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.56 ft
Resin potting	No
Type of light emission	Single emission
Net weight	0.62 lbs
Electrostatic discharge protection	No
Surge protection	No
Optics technology	F.O.L.
Product technological characteristics	TVS
Ordinary temperature on the glass	104 °F

### Finishing casing

Material	Aluminum 6026
Color	Embossed white RAL 9003
Process	Powder coating

### Finishing diffuser

Material	UV Resistant Polycarbonate
Color	transparent

### Finishing radiator

Material	Die-cast Aluminum EN AB - 46100
Color	Aluminum
Process	Polishing

### Cables Electrification

Cable connector	No
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### Notes:

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Downlights | 1 x powerLED 8 W | CRI 92 | 4000K | Spot | Embossed white RAL 9003 |  
Tilttable | Damp location | 700mA | Base  
**LL-E80644-N-15**

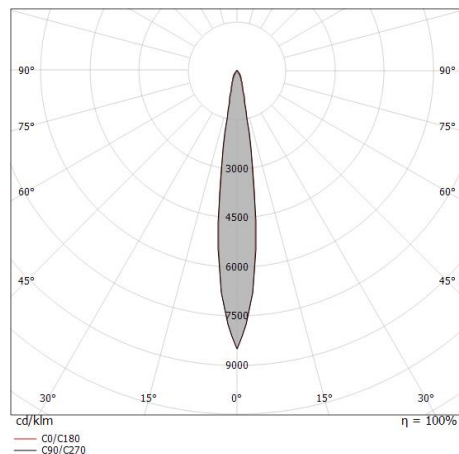
Single emission downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powerLED LEDs with CCT of 4000 K and a CRI 92; the source luminous flux is 796 lm, with a 99.5 lm/W nominal luminous efficacy.

The device body is made of aluminium 6026 and features a embossed white ral 9003 finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.617 lbs.

The total absorbed power is 8 W. The power supply cable is included and features a 0.558 ft lenght.

and can be ceiling-mounted with an outer casing, code E98533(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.13 0.11	E(0°) 19661 E(C90) 7.5° 9600 E(C0) 7.3° 9746
1.0	0.26 0.26	E(0°) 4915 E(C90) 7.5° 2400 E(C0) 7.3° 2436
1.5	0.39 0.38	E(0°) 2185 E(C90) 7.5° 1067 E(C0) 7.3° 1083
2.0	0.53 0.51	E(0°) 1229 E(C90) 7.5° 600 E(C0) 7.3° 609
2.5	0.66 0.64	E(0°) 786 E(C90) 7.5° 384 E(C0) 7.3° 390
3.0	0.79 0.77	E(0°) 546 E(C90) 7.5° 267 E(C0) 7.3° 271

— C0/C180 (Half-peak divergence: 14.6°)  
— C90/C270 (Half-peak divergence: 15.0°)

### Energy efficiency class

This product contains a light source of energy efficiency class F.

### Led features

Light Output Ratio (LOR)	72 %
Source lumens	796 lm
Delivered lumens	578 lm
Power	8 W
Luminaire efficacy	72 lm/W
Color temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Color rendering index	92 Ra
Black Body Locus	On

### LED Life / Failure Ratio

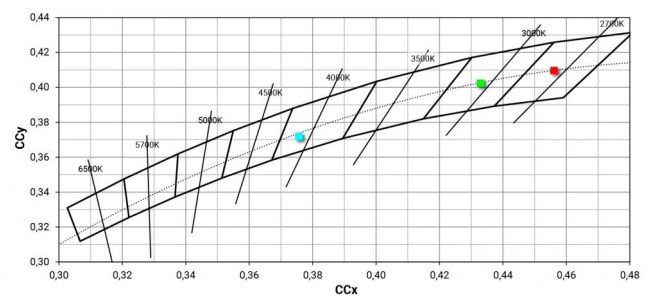
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	14.4
UGR transversal	14.5
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Light distribution symmetry	Symmetrical
C0/C180 optics	15°





Outer casing

Type of installation: plasterboard L=2.89in, H=1.65in, D=2.89in.

Material:ABS + glass fiber 15%, color:white, process:raw.

**Finish**

White

**Code**

E98499



Outer casing

L=3.31in, H=1.65in, D=3.31in.

Material:Aluminum, color:White RAL 9003, process:Powder coating.

**Finish**

White

**Code**

E98533

Key

**Code**

E99704