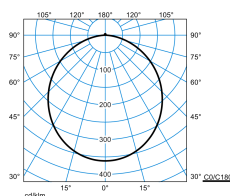
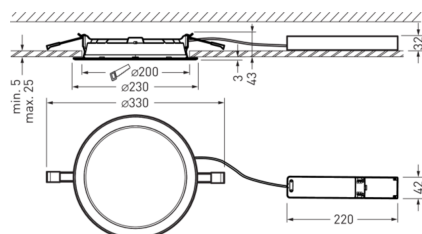


2325 G3 C07 S OA LED 20/14/08/ML-840 ET

Planar LED downlight

TOC: 7791040



Product description

Luminaire type

LED downlight for ceilings with cavity dimensions ≥ 50 mm.

Mounting methods

Tool-free ceiling installation via rapid-mounting springs. Cut-out opening $\varnothing 200$ mm, Recess depth 43 mm.

Optical system

With opal PMMA cover. With Lambertian light distribution. beam angle 113° .

LED system

Luminaire luminous flux adjustable in 3 levels (Multilumen). Luminaire luminous flux 800 lm - 1800 lm, connected load 7.5 W - 16.5 W, Power Faktor $\lambda > 0,9$, maximum luminous efficiency of luminaire 122 lm/W. Light colour neutral white, correlated colour temperature (CCT) 4000 K, general colour rendering index (CRI) $R_a > 80$. Colour locus tolerance (initial MacAdam) ≤ 4 SDCM. Mean rated service life $L_{70}(t_q 25^\circ\text{C}) = 50,000$ h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020).

Luminaire body

Luminaire body of PC. Ceiling ring powder-coated white (similar to RAL 9016). External dimensions of ceiling ring $\varnothing 230$ mm, luminaire height 43 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 $^\circ\text{C}$. Permissible ambient temperature (t_a): 25 $^\circ\text{C}$ Weight: 0,5 kg.

Electrical version

With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

Sustainability

Environmental Product Declaration in accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 and verified carbon offset.

Disassembly instructions (PDF) for the product available at: <https://www.trilux.com/EcoDesign>

Product features and key data

Luminaire type	LED downlight for ceilings with cavity dimensions ≥ 50 mm.	
Luminaire optic	With opal PMMA cover.	
Light distribution curve	Lambertian (L)	
FWHM	113,40 $^\circ$	
Light Engine	Level 1	Level 3
Colour temperature	4000 K	4000 K
Rated luminous flux	800 lm	1800 lm
Connected load	7,50 W	16,50 W
Luminous efficacy	107 lm/W	109 lm/W
Rated service life	$L_{70}(25^\circ\text{C}) = 50.000$ h	
Colour rendering index	80	
Colour tolerance	4 SDCM	

Product features and key data

Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	Luminaire body of PC.
Electrical version	With electronic control gear unit, switchable.
Connection method	Plug-in terminal
Mains voltage	220 - 240 V
Mains frequency	50/60 Hz
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP20
Protection rating on room side	IP44
Protection class	I
Impact resistance (IK)	IK02
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	16
Max. Luminaires B16	25
Max. Luminaires C10	26
Max. Luminaires C16	42
Net height	43 mm
Outside diameter	230 mm
Recess depth	43 mm
Weight	0,5 kg
Recessing diameter	200 mm

Available accessories

Material	Description
8120500	Refurbishment plate 2325 G3 C07... . For ceiling cut-outs Ø 220 -250 mm.

Light Engine Data

Light Engine	Color temperature	Rated light current	Power supply value Typ	Luminous efficacy
Level 1	4000 K	800 lm	7,50 W	107 lm/W
Level 2	4000 K	1400 lm	11,50 W	122 lm/W
Level 3	4000 K	1800 lm	16,50 W	109 lm/W

EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class

D

Model identifier

MDL-D140-14.1W G1

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