

Last information update: May 2018



10 - cell Frameless Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Spot optic

Product code

P142

Technical description

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - spot beam angle. Main body with die-cast aluminium radiant surface; minimal (frameless) version for mounting flush with the ceiling. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white high colour rendering LED

Installation

recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (12.5 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic finishing. Preparation hole 35 x 271

Dimension (mm)

264x30x56

Colour

White (01) | Black (04)

Weight (Kg)

0.73

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations



Product configuration: P142

Product characteristics

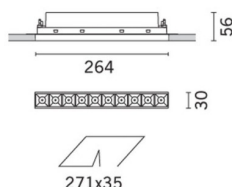
Total lighting output [Lm]: 1343
 Total power [W]: 24.5
 Luminous efficacy [Lm/W]: 54.8
 Life Time: 50,000h - L90 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

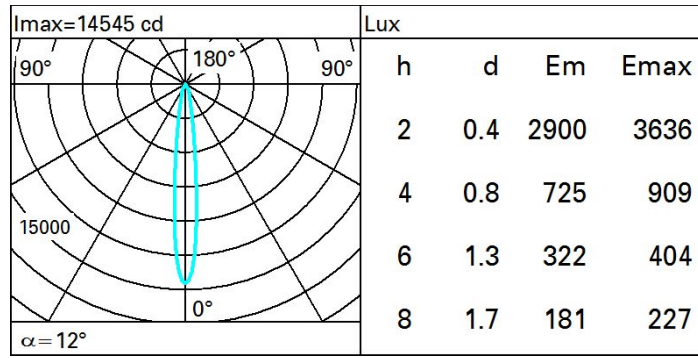
Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 21
 Nominal luminous [Lm]: 1700
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 12°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 3.5
 Colour temperature [K]: 2700
 CRI: 95
 Wavelength [Nm]: /
 MacAdam Step: 3



Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	75	71	69	67	71	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	79	99
5.0	84	84	84	83	83	82	81	79	100