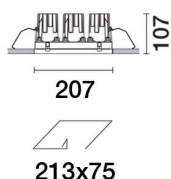
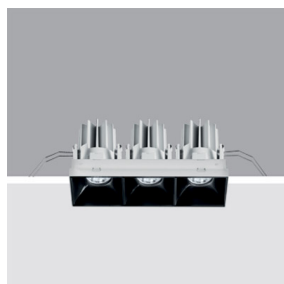


Last information update: May 2018



Fixed, three compartment Recessed luminaire - Minimal - Warm LED - Incorporated DALI dimmable power supply - WideFlood optic Beam

Product code
N151

Technical description

Fixed optic, three compartment, recessed luminaire for a warm white LED lamp with a high color rendering index. Flush with ceiling version (frameless). Passive heat dissipation system. Lamp body with radiant surface made of die-cast aluminum. False ceiling adapter with bracket system that adapts to the thickness of the panels. Metallised, thermoplastic, high definition optics, integrated in a rear position in the anti-glare screens. Glass covers for LED lamps. The structure of the optical system produces light emission with controlled luminance ($UGR < 19$). Supplied with DALI dimmable power supply unit connected to the luminaire.

Installation

recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (between 12.5 mm and 25 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic finishing. Preparation slot 75 x 213. Installation permitted in either a horizontal or vertical position.

Dimension (mm)
210x72x107

Colour
White (01) | Black (04)

Weight (Kg)
1.49

Mounting
wall recessed|ceiling recessed

Wiring

Quick-fit power supply connection to terminal block. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (DIM SWITCH).

Notes

The product with its white finish (01) includes optic rings for limiting luminance; a feature that renders a performance of $UGR < 19$ and determines slight variations in the opening of the optics (52°) and yield (0.74).

Complies with EN60598-1 and pertinent regulations



Product configuration: N151.01

Product characteristics

Total lighting output [Lm]: 2181.5
Total power [W]: 29.2
Luminous efficacy [Lm/W]: 74.7
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 74
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 25
Nominal luminous [Lm]: 2950
Lamp maximum intensity [cd]: /
Beam angle [$^\circ$]: 52°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.2
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

[illegible]

R	77	75	73	71	55	53	33	00	DDR
K0.8	67	63	61	59	63	61	60	58	78
1.0	70	67	64	63	66	64	64	61	83
1.5	73	71	69	67	70	68	68	65	88
2.0	75	74	72	71	73	71	71	69	93
2.5	77	75	74	74	74	73	73	71	96
3.0	78	77	76	75	76	75	74	72	98
4.0	79	78	77	77	77	76	75	73	99
5.0	79	79	78	78	77	77	76	74	100

QC

A	G	1.15	2000		1000	500		<=300		
B		1.50		2000	1000	750	500	<=300		
C		1.85		2000			1000	500	<=300	

The figure shows a haze plot for three samples (A, B, and C) across a range of wavelengths from 450 nm to 850 nm. The y-axis represents haze percentage (h) on a logarithmic scale from 1 to 8. The x-axis represents wavelength in nanometers (nm) on a logarithmic scale from 10² to 10⁴. Sample A (red line) shows a sharp increase in haze starting around 600 nm, reaching approximately 8% at 850 nm. Sample B (blue line) shows a more gradual increase, reaching about 4% at 850 nm. Sample C (green line) shows the lowest haze values, remaining below 2% across the entire wavelength range.

8
6
4
2
h

45° 55° 65° 75° 85°

10² 2 3 4 5 6 8 10³ 2 3 4 5 6 8 10⁴ nm

C0-180