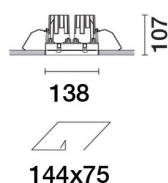
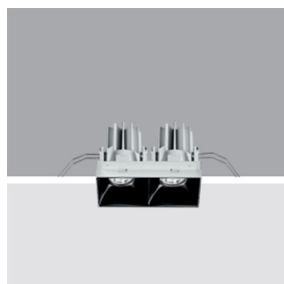


Last information update: May 2018



**Fixed, two compartment Recessed luminaire - Minimal - Neutral LED - Incorporated DALI dimmable power supply - WideFlood optic Beam**

**Product code**  
N147

#### Technical description

Fixed optic, two compartment recessed luminaire for a high efficiency, neutral white LED lamp. 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 144. Installation permitted in either a horizontal or vertical position.

**Dimension (mm)**  
141x72x107

**Colour**  
White (01) | Black (04)

**Weight (Kg)**  
0.96

**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 ( $52^\circ$ ) and yield (0.74).

Complies with EN60598-1 and pertinent regulations



#### Product configuration: N147.01

##### Product characteristics

Total lighting output [Lm]: 1811.8  
Total power [W]: 21.2  
Luminous efficacy [Lm/W]: 85.5  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of  $90^\circ$  [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]: 17  
Nominal luminous [Lm]: 2450  
Lamp maximum intensity [cd]: /  
Beam angle [ $^\circ$ ]:  $52^\circ$

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.2  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 3

	<b>imax=2712 cd</b> 90° 180° 90° 3000 0° <b>α=52°</b>		<b>CIE</b> nL 0.74 100-100-100-100-74 UGR 11.0-11.0 <b>DIN</b> A.61 <b>UTE</b> 0.74A+0.00T F*1=996 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1000 cd/m² at 65° BZ1		<b>Lux</b>			
	<b>h</b>	<b>d</b>	<b>Em</b>	<b>Emax</b>				
	2	2	546	678				
	4	3.9	136	170				
	6	5.9	61	75				
8	7.8	34	42					

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

85°  
75°  
65°  
55°  
45°

10<sup>2</sup> 2 3 4 5 6 8 10<sup>3</sup> 2 3 4 5 6 8 10<sup>4</sup> cd/m<sup>2</sup>

C0-180

# UGR diagram

Corrected UGR values (at 2450 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	11.5	12.1	11.8	12.3	12.6	11.5	12.1	11.8	12.3	12.6
	3H	11.4	11.9	11.7	12.2	12.5	11.4	11.9	11.7	12.2	12.5
	4H	11.3	11.8	11.7	12.1	12.4	11.3	11.8	11.7	12.1	12.4
	6H	11.3	11.7	11.6	12.0	12.3	11.3	11.7	11.6	12.0	12.3
	8H	11.2	11.6	11.6	12.0	12.3	11.2	11.6	11.6	12.0	12.3
	12H	11.2	11.6	11.6	11.9	12.3	11.2	11.6	11.6	11.9	12.3
4H	2H	11.3	11.8	11.7	12.1	12.4	11.3	11.8	11.7	12.1	12.4
	3H	11.2	11.6	11.6	11.9	12.3	11.2	11.6	11.6	11.9	12.3
	4H	11.1	11.5	11.5	11.8	12.2	11.1	11.5	11.5	11.8	12.2
	6H	11.0	11.3	11.4	11.7	12.1	11.0	11.3	11.4	11.7	12.1
	8H	11.0	11.3	11.4	11.7	12.1	11.0	11.3	11.4	11.7	12.1
	12H	10.9	11.2	11.4	11.6	12.1	10.9	11.2	11.4	11.6	12.1
8H	4H	11.0	11.3	11.4	11.7	12.1	11.0	11.3	11.4	11.7	12.1
	6H	10.9	11.1	11.4	11.6	12.0	10.9	11.1	11.4	11.6	12.0
	8H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0
	12H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.4	12.0
12H	4H	10.9	11.2	11.4	11.6	12.1	10.9	11.2	11.4	11.6	12.1
	6H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0
	8H	10.8	11.0	11.3	11.4	12.0	10.8	11.0	11.3	11.5	12.0
Variations with the observer position at spacing:											
S =		1.0H	6.5 / -14.3					6.5 / -14.3			
		1.5H	9.3 / -14.5					9.3 / -14.5			
		2.0H	11.3 / -14.6					11.3 / -14.6			