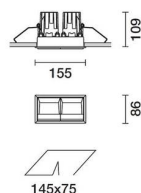
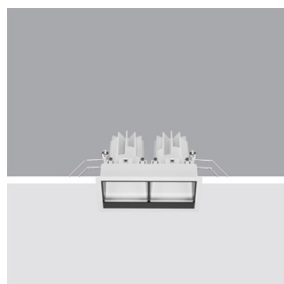


Last information update: May 2018

**Frame 2-compartment recessed luminaire - Warm White LED - Wall Washer - DALI****Product code**

P964

Technical description

2-compartment recessed luminaire with wall washer fixed optic for warm white LED 2700K with high colour rendering index. Passive cooling system. Luminaire body with die-cast radiant aluminium surface; version with perimeter stop frame. Special optical systems for defined light distribution on the wall with no shadow areas. The position next to the asymmetrical units ensures a considerable reduction in direct glare, without compromising the quality of light emitted. Reflectors - flow recuperators in superpure aluminium, diffusers - PMMA refractors, thermoplastic containment structures. Supplied with DALI dimmable power supply unit connected to the luminaire.

Installation

Recessed with anti-fall steel wire springs - 1 mm minimum thickness of false ceiling - recess opening 75 x 145 mm. To ensure proper lighting of walls, check distances and centre to centre distances on the instructions sheet.

Dimension (mm)

155x86x109

Colour

White (01) | Black/Black (43) | Black/White (47) | Grey/Black (74)

Weight (Kg)

1

Mounting

wall recessed|ceiling recessed

Wiring

Quick-fit power supply connection to terminal block - Digital electronic wiring enables dimming with DALI or TOUCH DIM systems.

Complies with EN60598-1 and pertinent regulations

IP20

IP43

On the visible part of the product once installed

**Product configuration: P964.01****Product characteristics**

Total lighting output [Lm]: 980.3
Total power [W]: 21.2
Luminous efficacy [Lm/W]: 46.2
Life Time: 50,000h - L80 - B10 (Ta 25°C)

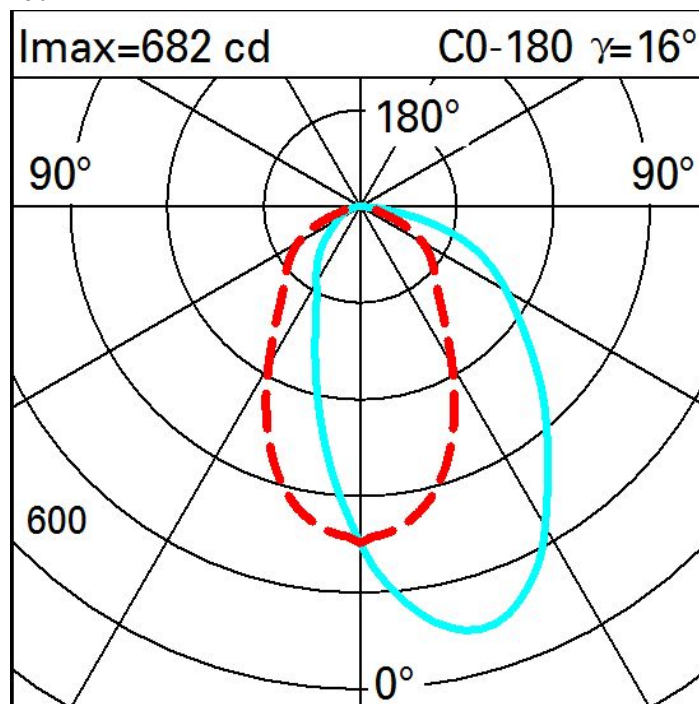
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 53
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 17
Nominal luminous [Lm]: 1850
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.2
Colour temperature [K]: 2700
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

Polar



Illuminances

Lux											
						Wall distance = 1m					
3											
	0.4	1.0	3	7	21	61	66	32	12	4	2
2	1	2	5	13	36	61	61	42	24	12	6
	1	3	6	13	26	43	49	36	22	13	8
1	1	3	5	10	18	31	36	29	19	12	8
	2	3	5	7	13	21	24	22	16	11	7
0											
	m	-2	-1	0	1	2	3				