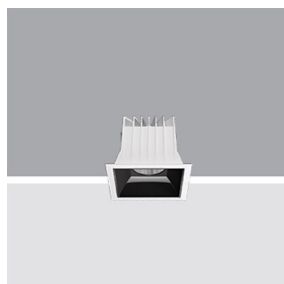


Last information update: May 2018



Fixed recessed luminaire - 2700K Warm LED - DALI dimmable control gear - Flood

Product code

P781

Technical description

Fixed optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 125 x 125. Installation possible in a horizontal position.

Dimension (mm)

144x144x107

Colour

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

Weight (Kg)

0.86

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations



Product configuration: P781.01

Product characteristics

Total lighting output [Lm]: 1766
 Total power [W]: 32.1
 Luminous efficacy [Lm/W]: 55
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

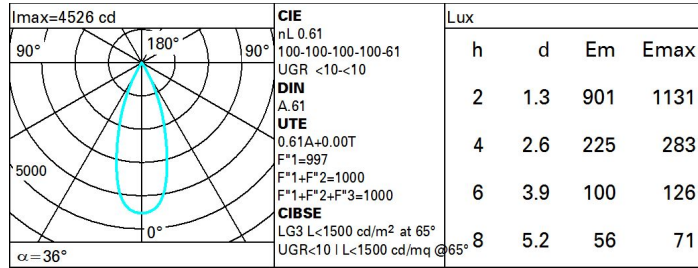
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 61
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 29
 Nominal luminous [Lm]: 2900
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 36°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 3.1
 Colour temperature [K]: 2700
 CRI: 90
 Wavelength [Nm]: /
 MacAdam Step: 3

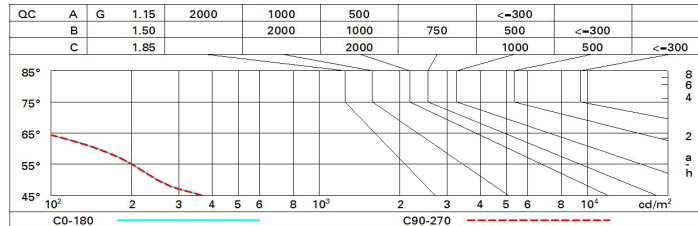
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	52	50	49	52	50	50	48	78
1.0	57	55	53	52	54	53	52	50	83
1.5	60	58	57	56	58	56	56	54	89
2.0	62	61	60	59	60	59	58	57	93
2.5	63	62	61	61	61	61	60	58	96
3.0	64	63	63	62	62	62	61	60	98
4.0	65	64	64	63	63	63	62	60	99
5.0	65	65	64	64	64	63	62	61	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2900 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	3.8	4.4	4.1	4.6	4.9	3.8	4.4	4.1	4.6	4.9
	3H	3.7	4.2	4.0	4.5	4.8	3.7	4.2	4.0	4.5	4.8
	4H	3.6	4.1	4.0	4.4	4.7	3.6	4.1	4.0	4.4	4.7
	6H	3.6	4.0	3.9	4.3	4.6	3.6	4.0	3.9	4.3	4.6
	8H	3.5	4.0	3.9	4.3	4.6	3.5	3.9	3.9	4.3	4.6
	12H	3.5	3.9	3.9	4.2	4.6	3.5	3.9	3.9	4.2	4.6
4H	2H	3.6	4.1	4.0	4.4	4.7	3.6	4.1	4.0	4.4	4.7
	3H	3.5	3.9	3.9	4.2	4.6	3.5	3.9	3.9	4.2	4.6
	4H	3.4	3.8	3.8	4.1	4.5	3.4	3.8	3.8	4.1	4.5
	6H	3.3	3.6	3.7	4.0	4.4	3.3	3.6	3.7	4.0	4.4
	8H	3.3	3.6	3.7	4.0	4.4	3.3	3.6	3.7	4.0	4.4
	12H	3.2	3.5	3.7	3.9	4.4	3.2	3.5	3.7	3.9	4.4
8H	4H	3.3	3.6	3.7	4.0	4.4	3.3	3.6	3.7	4.0	4.4
	6H	3.2	3.4	3.7	3.9	4.3	3.2	3.4	3.7	3.9	4.3
	8H	3.1	3.3	3.6	3.8	4.3	3.1	3.3	3.6	3.8	4.3
	12H	3.1	3.3	3.6	3.7	4.3	3.1	3.3	3.6	3.7	4.3
12H	4H	3.2	3.5	3.7	3.9	4.4	3.2	3.5	3.7	3.9	4.4
	6H	3.1	3.3	3.6	3.8	4.3	3.1	3.3	3.6	3.8	4.3
	8H	3.1	3.3	3.6	3.7	4.3	3.1	3.3	3.6	3.7	4.3
Variations with the observer position at spacing:											
S =	1.0H	6.6 / -14.0					6.6 / -14.0				
	1.5H	9.4 / -15.3					9.4 / -15.3				
	2.0H	11.4 / -16.7					11.4 / -16.7				