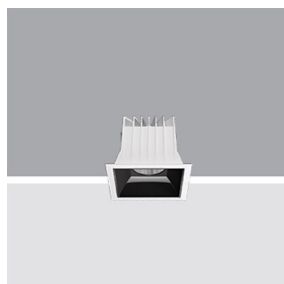


Last information update: May 2018



**Fixed recessed luminaire - Neutral LED - DALI dimmable control gear - Wide Flood**

**Product code**

P776

**Technical description**

Recessed luminaire with fixed optic for Neutral White LED lamp. 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: P776.01**

**Product characteristics**

Total lighting output [Lm]: 1948  
 Total power [W]: 23.5  
 Luminous efficacy [Lm/W]: 82.9  
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

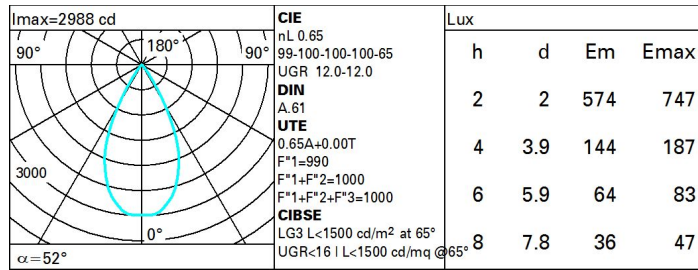
Total luminous flux at or above an angle of 90° [Lm]: 0  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: -  
 Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 65  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 21  
 Nominal luminous [Lm]: 3000  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: 52°

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 2.5  
 Colour temperature [K]: 4000  
 CRI: 80  
 Wavelength [Nm]: /  
 MacAdam Step: 3

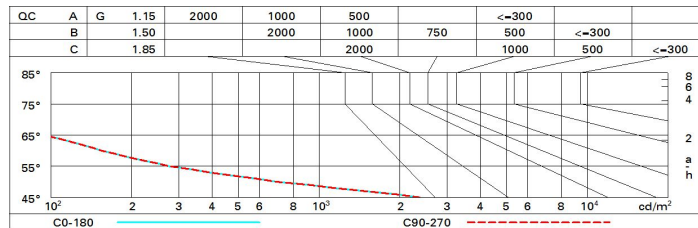
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	52	55	53	53	50	78
1.0	61	58	56	55	58	56	56	53	82
1.5	64	62	60	59	61	60	59	57	88
2.0	66	65	63	62	64	63	62	60	93
2.5	67	66	65	65	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	98
4.0	69	68	68	68	67	67	66	64	99
5.0	69	69	69	68	68	68	67	65	100

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:											
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					viewed				
x	y	crosswise					endwise				
2H	2H	12.6	13.2	12.9	13.4	13.6	12.6	13.2	12.9	13.4	13.6
	3H	12.4	13.0	12.8	13.2	13.5	12.4	13.0	12.8	13.2	13.5
	4H	12.4	12.9	12.7	13.1	13.4	12.4	12.9	12.7	13.1	13.4
	6H	12.3	12.7	12.6	13.0	13.4	12.3	12.7	12.6	13.0	13.4
	8H	12.3	12.7	12.6	13.0	13.3	12.3	12.7	12.6	13.0	13.3
	12H	12.2	12.6	12.6	13.0	13.3	12.2	12.6	12.6	13.0	13.3
4H	2H	12.4	12.9	12.7	13.1	13.4	12.4	12.9	12.7	13.1	13.4
	3H	12.2	12.6	12.6	13.0	13.3	12.2	12.6	12.6	13.0	13.3
	4H	12.1	12.5	12.5	12.9	13.2	12.1	12.5	12.5	12.9	13.2
	6H	12.0	12.4	12.5	12.8	13.2	12.0	12.4	12.5	12.8	13.2
	8H	12.0	12.3	12.4	12.7	13.1	12.0	12.3	12.4	12.7	13.1
	12H	11.9	12.2	12.4	12.6	13.1	11.9	12.2	12.4	12.6	13.1
8H	4H	12.0	12.3	12.4	12.7	13.1	12.0	12.3	12.4	12.7	13.1
	6H	11.9	12.1	12.4	12.6	13.1	11.9	12.1	12.4	12.6	13.1
	8H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
	12H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
12H	4H	11.9	12.2	12.4	12.6	13.1	11.9	12.2	12.4	12.6	13.1
	6H	11.8	12.0	12.3	12.5	13.0	11.8	12.1	12.3	12.5	13.0
	8H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
Variations with the observer position at spacing:											
S =	1.0H	6.1 / -21.4					6.1 / -21.4				
	1.5H	8.9 / -24.0					8.9 / -24.0				
	2.0H	10.9 / -25.3					10.9 / -25.3				