

Last information update: April 2025

Product configuration: P529

P529: Fixed circular recessed luminaire - Ø212 mm - neutral white - medium optic - UGR<10



Product code

P529: Fixed circular recessed luminaire - Ø212 mm - neutral white - medium optic - UGR<10

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Optic with supercomfort reflector vacuum-metallised with aluminium vapours and an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<10 1500 cd/m2 α >65° medium optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Weight (Kg)

2

Mounting

ceiling recessed

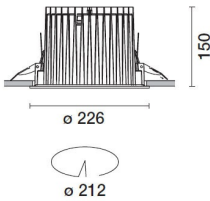
Wiring

product complete with DALI components

Notes

TPb rated

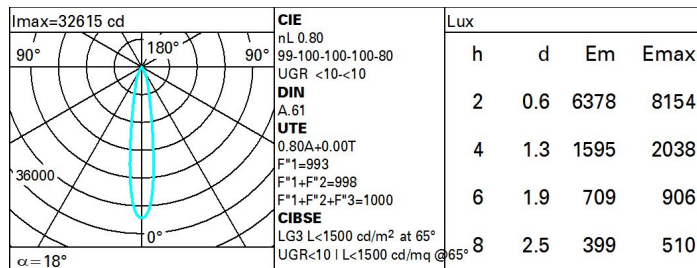
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	5040	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
lm source:	6300	Number of lamps for optical assembly:	1
W source:	39	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	116.1	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	30 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Beam angle [°]:	18°	Minimum dimming %:	1
CRI (minimum):	80	Oversvoltage protection:	2kV Common mode & 2kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	2		

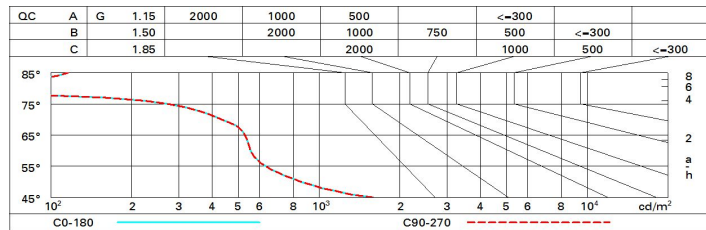
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	66	64	68	65	65	62	78
1.0	75	72	69	68	71	69	69	66	83
1.5	79	76	74	73	76	74	73	71	88
2.0	81	80	78	77	79	77	76	74	93
2.5	83	82	81	80	80	79	79	76	96
3.0	84	83	82	81	82	81	80	78	98
4.0	85	84	84	83	83	83	81	79	99
5.0	85	85	85	84	84	83	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 6300 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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											
x	y										
2H	2H	2.3	4.4	2.6	4.7	5.0	2.3	4.4	2.6	4.7	5.0
	3H	2.3	3.9	2.7	4.2	4.5	2.2	3.8	2.6	4.1	4.4
	4H	2.3	3.6	2.7	3.9	4.3	2.2	3.5	2.6	3.8	4.1
	6H	2.3	3.3	2.7	3.6	4.0	2.1	3.1	2.5	3.5	3.8
	8H	2.2	3.2	2.6	3.6	4.0	2.1	3.1	2.5	3.5	3.8
	12H	2.2	3.2	2.6	3.6	3.9	2.0	3.1	2.4	3.4	3.8
4H	2H	2.2	3.5	2.6	3.8	4.1	2.3	3.6	2.7	3.9	4.3
	3H	2.3	3.3	2.7	3.7	4.1	2.3	3.3	2.7	3.7	4.1
	4H	2.2	3.3	2.6	3.7	4.1	2.2	3.3	2.6	3.7	4.1
	6H	1.9	3.6	2.4	4.0	4.5	1.9	3.6	2.4	4.0	4.5
	8H	1.7	3.6	2.2	4.1	4.6	1.8	3.7	2.3	4.1	4.6
	12H	1.7	3.6	2.2	4.1	4.6	1.7	3.6	2.2	4.1	4.6
8H	4H	1.8	3.7	2.3	4.1	4.6	1.7	3.6	2.2	4.1	4.6
	6H	1.7	3.4	2.2	3.9	4.4	1.7	3.4	2.2	3.9	4.4
	8H	1.7	3.2	2.2	3.7	4.2	1.7	3.2	2.2	3.7	4.2
	12H	1.9	2.8	2.4	3.3	3.8	1.9	2.7	2.4	3.2	3.8
12H	4H	1.7	3.6	2.2	4.1	4.6	1.7	3.6	2.2	4.1	4.6
	6H	1.7	3.2	2.2	3.7	4.2	1.7	3.2	2.2	3.7	4.2
	8H	1.9	2.7	2.4	3.2	3.8	1.9	2.8	2.4	3.3	3.8
Variations with the observer position at spacing:											
S =	1.0H	4.9 / -5.1					4.9 / -5.1				
	1.5H	7.6 / -5.8					7.6 / -5.8				
	2.0H	9.5 / -6.2					9.5 / -6.2				