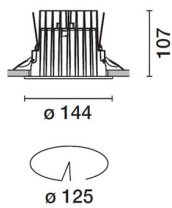
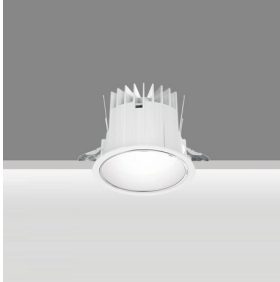


Last information update: April 2024

Product configuration: P516

P516: Fixed circular recessed luminaire - Ø 125 mm - neutral white - white optic - DALI

**Product code**

P516: Fixed circular recessed luminaire - Ø 125 mm - neutral white - white optic - DALI

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General lighting beam.

Installation

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

Colour

White (01)

Weight (Kg)

1.02

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

lm system:	2399	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	23.7	Lamp code:	LED
lm source:	3200	Number of lamps for optical assembly:	1
W source:	21	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	101.2	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:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	75	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	78°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	2		

Polar

Imax=1504 cd		CIE		Lux			
h	d	Em	Emax				
1	1.6	1042	1504				
2	3.2	260	376				
3	4.9	116	167				
4	6.5	65	94				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	52	48	45	52	48	47	44	58
1.0	62	57	53	50	56	52	52	48	64
1.5	68	64	61	58	63	60	59	55	74
2.0	72	68	66	63	67	65	64	60	81
2.5	74	71	69	67	70	68	67	64	85
3.0	75	73	71	69	71	70	69	66	88
4.0	77	75	74	72	73	72	71	68	91
5.0	78	76	75	74	75	74	72	70	93

UGR diagram

Corrected UGR values (at 3200 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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	24.3	25.2	24.6	25.5	25.7	24.3	25.2	24.6	25.5	25.7
	3H	25.3	26.1	25.6	26.4	26.7	24.6	25.4	24.9	25.7	26.0
	4H	25.7	26.5	26.1	26.8	27.1	24.7	25.5	25.0	25.8	26.1
	6H	26.0	26.8	26.4	27.1	27.4	24.7	25.4	25.1	25.8	26.1
	8H	26.1	26.8	26.5	27.2	27.5	24.7	25.4	25.1	25.7	26.1
	12H	26.2	26.9	26.6	27.2	27.6	24.7	25.3	25.1	25.7	26.0
4H	2H	24.7	25.5	25.0	25.8	26.1	25.7	26.5	26.1	26.8	27.1
	3H	25.9	26.6	26.3	26.9	27.3	26.2	26.9	26.6	27.2	27.6
	4H	26.4	27.0	26.8	27.4	27.8	26.4	27.0	26.8	27.4	27.8
	6H	26.9	27.4	27.3	27.8	28.2	26.6	27.1	27.0	27.5	27.9
	8H	27.0	27.5	27.5	27.9	28.4	26.6	27.1	27.1	27.5	28.0
	12H	27.1	27.5	27.5	28.0	28.4	26.6	27.1	27.1	27.5	28.0
8H	4H	26.6	27.1	27.1	27.5	28.0	27.0	27.5	27.5	27.9	28.4
	6H	27.2	27.6	27.7	28.0	28.5	27.3	27.7	27.8	28.1	28.6
	8H	27.4	27.7	27.9	28.2	28.7	27.4	27.7	27.9	28.2	28.7
	12H	27.5	27.8	28.0	28.3	28.8	27.5	27.8	28.0	28.2	28.8
12H	4H	26.6	27.1	27.1	27.5	28.0	27.1	27.5	27.5	28.0	28.4
	6H	27.2	27.6	27.7	28.0	28.5	27.4	27.7	27.9	28.2	28.7
	8H	27.5	27.8	28.0	28.2	28.8	27.5	27.8	28.0	28.3	28.8
Variations with the observer position at spacing:											
S =		1.0H	0.7 / -0.5				0.7 / -0.5				
		1.5H	1.3 / -0.8				1.3 / -0.8				
		2.0H	2.3 / -1.0				2.3 / -1.0				