

Last information update: October 2024

Product configuration: Q158

Q158: Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR<19



Product code

Q158: Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR<19

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° wide flood optic.

Installation

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

Colour

White / Aluminium (39)

Mounting

ceiling recessed

Wiring

product complete with 1-10V components

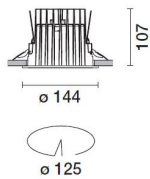
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



Technical data

lm system:	2833	CRI (minimum):	80
W system:	29.7	Colour temperature [K]:	3000
lm source:	3500	MacAdam Step:	2
W source:	25	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	95.4	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	64°	Control:	1-10V

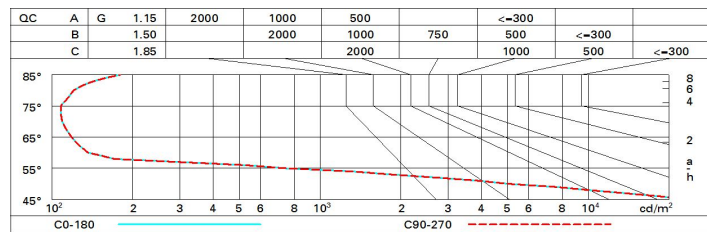
Polar

	Lux			
	h	d	Em	Emax
	2	2.5	537	702
	4	5	134	176
	6	7.5	60	78
	8	10	34	44

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 3500 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.5	21.1	20.8	21.4	21.0	20.5	21.1	20.8	21.4	21.0
	3H	20.4	20.9	20.7	21.2	21.5	20.4	20.9	20.7	21.2	21.5
	4H	20.3	20.8	20.7	21.1	21.4	20.3	20.8	20.7	21.1	21.4
	6H	20.3	20.7	20.6	21.0	21.3	20.3	20.7	20.6	21.0	21.3
	8H	20.2	20.7	20.6	21.0	21.3	20.2	20.7	20.6	21.0	21.3
	12H	20.2	20.6	20.6	20.9	21.3	20.2	20.6	20.6	20.9	21.3
4H	2H	20.3	20.8	20.7	21.1	21.4	20.3	20.8	20.7	21.1	21.4
	3H	20.2	20.6	20.6	20.9	21.3	20.2	20.6	20.6	20.9	21.3
	4H	20.1	20.5	20.5	20.8	21.2	20.1	20.5	20.5	20.8	21.2
	6H	20.0	20.3	20.4	20.7	21.1	20.0	20.3	20.4	20.7	21.1
	8H	20.0	20.3	20.4	20.7	21.1	20.0	20.3	20.4	20.7	21.1
	12H	19.9	20.2	20.4	20.6	21.1	19.9	20.2	20.4	20.6	21.1
8H	4H	20.0	20.3	20.4	20.7	21.1	20.0	20.3	20.4	20.7	21.1
	6H	19.9	20.1	20.3	20.5	21.0	19.9	20.1	20.3	20.5	21.0
	8H	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0
	12H	19.8	19.9	20.3	20.4	20.9	19.8	19.9	20.3	20.4	20.9
12H	4H	19.9	20.2	20.4	20.6	21.1	19.9	20.2	20.4	20.6	21.1
	6H	19.8	20.0	20.3	20.5	21.0	19.8	20.0	20.3	20.5	21.0
	8H	19.8	19.9	20.3	20.4	20.9	19.8	19.9	20.3	20.4	20.9
Variations with the observer position at spacing:											
S =		1.0H					4.7 / -26.2				
		1.5H					7.5 / -31.2				
		2.0H					9.5 / -31.4				