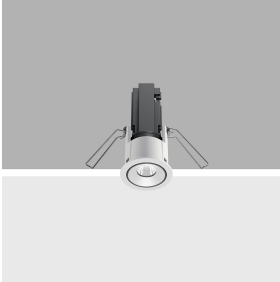


Last information update: November 2024

Product configuration: QY50

QY50: Fixed round recessed luminaire - LED - medium - Super Comfort



Product code

QY50: Fixed round recessed luminaire - LED - medium - Super Comfort

Technical description

Round recessed luminaire with contact frame. Super Comfort fixed version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. The main die-cast aluminium body includes a radiant surface that guarantees optimal heat dissipation. Metallised, thermoplastic, high definition reflector - medium optic (25°). Structure featuring a die-cast aluminium external contact frame with a white finish only. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass screen included. Quick, easy, tool-free assembly. 2700K high colour rendering index LED lamp. The power supply unit is available with a separate item code.

Installation

With steel wire anti-fall springs for recessed installation in false ceilings - minimum thickness of false ceiling 1 mm - preparation hole Ø 38 mm

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | White / Chrome (E4)* | White / burnished chrome (E7)* | White / gold satin-finish (E9)*

Weight (Kg)

0.14

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts available with separate item codes: ON-OFF / 1-10V dimmable / DALI dimmable / Phase Cut dimmable.

Notes

A wide range of decorative accessories and diffusers is available.

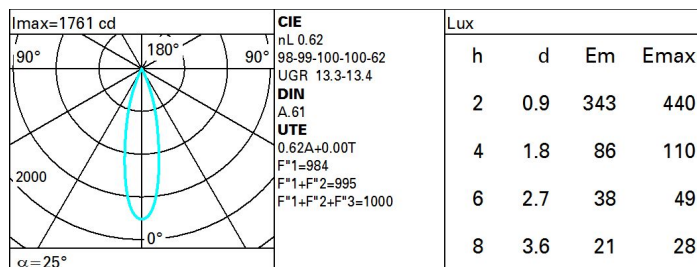
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	403	CRI (minimum):	90
W system:	6.7	Colour temperature [K]:	2700
Im source:	650	MacAdam Step:	2
W source:	6.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	60.1	Lamp code:	LED
Im 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.) [%]:	62	Number of optical assemblies:	1
Beam angle [°]:	26°	LED current [mA]:	550

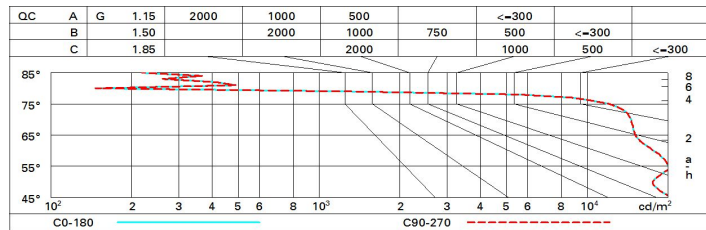
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	56	53	51	49	52	50	50	48	77
1.0	58	55	53	52	55	53	53	51	82
1.5	61	59	57	56	58	57	56	54	88
2.0	63	62	60	59	61	60	59	57	92
2.5	64	63	62	61	62	61	61	59	95
3.0	65	64	64	63	63	63	62	60	97
4.0	66	65	65	64	64	64	63	61	99
5.0	66	66	65	65	65	64	63	62	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 650 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		viewed crosswise					viewed endwise				
x	y										
2H	2H	11.6	13.7	12.0	14.0	14.4	11.6	13.7	12.0	14.0	14.4
	3H	12.6	14.2	13.0	14.6	14.9	11.9	13.6	12.3	13.9	14.2
	4H	13.0	14.3	13.4	14.7	15.0	12.0	13.4	12.4	13.7	14.1
	6H	13.0	14.1	13.4	14.4	14.8	12.1	13.1	12.5	13.5	13.8
	8H	13.0	14.0	13.4	14.4	14.7	12.1	13.1	12.5	13.5	13.8
12H	12.9	14.0	13.4	14.3	14.7	12.0	13.0	12.4	13.4	13.8	
4H	2H	12.0	13.4	12.4	13.7	14.1	13.0	14.3	13.4	14.7	15.0
	3H	13.3	14.3	13.7	14.6	15.0	13.5	14.5	13.9	14.9	15.3
	4H	13.7	14.7	14.1	15.0	15.4	13.7	14.7	14.1	15.0	15.4
	6H	13.4	15.1	13.9	15.6	16.0	13.5	15.2	14.0	15.6	16.1
	8H	13.3	15.2	13.8	15.7	16.2	13.4	15.3	13.9	15.8	16.3
12H	13.2	15.2	13.7	15.6	16.2	13.3	15.3	13.8	15.8	16.3	
8H	4H	13.4	15.3	13.9	15.8	16.3	13.3	15.2	13.8	15.7	16.2
	6H	13.4	15.2	13.9	15.7	16.2	13.4	15.2	13.9	15.7	16.2
	8H	13.4	15.0	13.9	15.5	16.0	13.4	15.0	13.9	15.5	16.0
	12H	13.5	14.6	14.0	15.1	15.6	13.5	14.6	14.0	15.1	15.6
12H	4H	13.3	15.3	13.8	15.8	16.3	13.2	15.2	13.7	15.6	16.2
	6H	13.4	15.0	13.9	15.5	16.0	13.3	15.0	13.9	15.5	16.0
	8H	13.5	14.6	14.0	15.1	15.6	13.5	14.6	14.0	15.1	15.6
Variations with the observer position at spacing:											
S =	1.0H	1.1 / -0.5					1.1 / -0.5				
	1.5H	2.1 / -1.1					2.1 / -1.1				
	2.0H	3.4 / -1.6					3.4 / -1.6				