

Product configuration: QV70.83

QV70.83: Recessed with 10 cells - Flood optic - Transparent/Black



Product code

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Technical description

Rectangular 10 optic element recessed miniaturised luminaire. LED lamps with different colour temperatures to create a modulated effect. The variation is achieved by mixing an emission of 10 x 2700K LEDs and 10 x 6500K LEDs with a high Colour Rendering Index. Every optic element contains a warm LED and a cool LED, rotated progressively by 72° in order to cover an angle of 360° for 10 LEDs and obtain a perfect mixture on the ground even between products of different sizes. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition - flood beam - optics are integrated in a set-back position in the black anti-glare screen. The structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with an integrated power supply system (DALI DT8) that, without using additional components, allows the colour temperature to be changed by simply pressing a single button. A DALI programmable setup with an intuitive, easy-to-use touch screen can be obtained using the X479 code with the M630 power supply unit. This panel can be controlled in Bluetooth mode using an app that allows system control to be extended to remote devices, like tablets and smartphones.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274.

Colour

Black Transparent (83)

Weight (Kg)

0.61

Mounting

wall recessed|ceiling recessed

Wiring

Control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

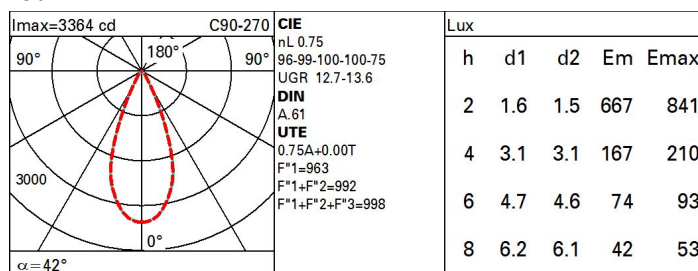
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1688	MacAdam Step:	3
W system:	23.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	2250	Lamp code:	LED
W source:	19	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	71.2	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	75	Inrush current:	29 A / 153 µs
Beam angle [°]:	42°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 32 luminaires B16A: 51 luminaires C10A: 53 luminaires C16A: 86 luminaires
CRI (minimum):	90	Minimum dimming %:	1
CRI (typical):	92	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	Tunable white 2700 - 6500	Control:	DALI-2

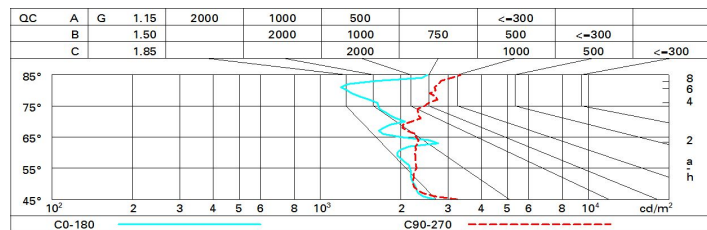
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	63	60	58	62	60	59	57	76
1.0	70	66	64	62	65	63	63	60	81
1.5	73	71	69	67	70	68	68	65	87
2.0	76	74	72	71	73	72	71	69	91
2.5	77	76	75	74	75	74	73	71	94
3.0	78	77	76	76	76	75	74	72	97
4.0	79	79	78	77	77	77	76	74	98
5.0	80	79	79	78	78	78	76	74	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2250 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	12.7	13.2	13.0	13.4	13.7	13.5	14.0	13.8	14.3	14.5
	3H	12.7	13.2	13.0	13.4	13.7	13.5	13.9	13.8	14.2	14.5
	4H	12.7	13.2	13.0	13.4	13.7	13.4	13.9	13.7	14.1	14.4
	6H	12.7	13.1	13.0	13.4	13.7	13.3	13.8	13.7	14.1	14.4
	8H	12.7	13.1	13.0	13.4	13.7	13.3	13.7	13.7	14.0	14.4
	12H	12.7	13.1	13.0	13.4	13.7	13.3	13.7	13.6	14.0	14.3
4H	2H	12.6	13.1	12.9	13.4	13.6	13.6	14.1	13.9	14.3	14.6
	3H	12.7	13.1	13.0	13.4	13.7	13.7	14.1	14.0	14.4	14.7
	4H	12.7	13.1	13.1	13.4	13.8	13.7	14.0	14.1	14.4	14.8
	6H	12.7	13.0	13.2	13.4	13.9	13.6	13.9	14.1	14.3	14.8
	8H	12.7	13.0	13.2	13.4	13.8	13.6	13.9	14.1	14.3	14.7
	12H	12.8	13.0	13.2	13.4	13.9	13.6	13.8	14.0	14.3	14.7
8H	4H	12.7	13.0	13.1	13.4	13.8	13.9	14.1	14.3	14.5	15.0
	6H	12.7	13.0	13.2	13.4	13.9	13.9	14.1	14.4	14.6	15.1
	8H	12.7	12.9	13.2	13.4	13.9	13.9	14.1	14.4	14.6	15.1
	12H	12.8	13.0	13.3	13.5	14.0	13.9	14.1	14.4	14.6	15.1
12H	4H	12.7	12.9	13.1	13.3	13.8	13.9	14.2	14.4	14.6	15.1
	6H	12.7	12.9	13.2	13.4	13.9	14.0	14.2	14.5	14.7	15.2
	8H	12.7	12.9	13.2	13.4	13.9	14.0	14.2	14.5	14.7	15.2
Variations with the observer position at spacing:											
S =		1.0H					2.5 / -3.5				
		1.5H					4.7 / -3.7				
		2.0H					6.6 / -4.1				