

Design iGuzzini iGuzzini

Product configuration: QV69.43

Product code

QV69.43: Recessed with 5 cells - Flood optic - 13.2W 805lm - Tunable white - CRI 90 - Black / Black

Rectangular 5 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 5 x 2700K LEDs and 5 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 5 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.

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141.

Colour
Black / Black (43)

Weight (Kg)
0.29

wall recessed|ceiling recessed

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



Im system:	805	MacAdam Step:	3
W system:	13.2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	1150	Lamp code:	LED
W source:	9.4	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	61	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.) [%]:	70	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

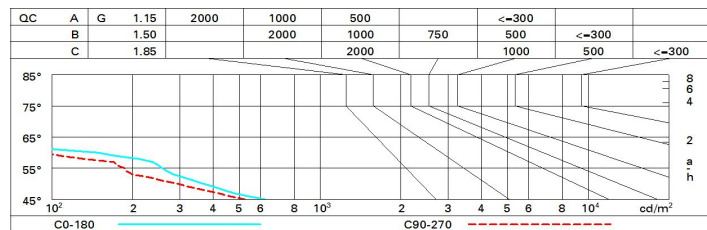
The figure shows a light distribution diagram (photometric curve) for the C55-235 luminaire. The diagram is a circular plot with concentric circles representing beam diameters of 100, 150, and 200 cm. Radial lines indicate beam angles from 0° to 90°. A magenta curve shows the light distribution, peaking at 180° (downward). A pink line indicates a beam angle of $\alpha = 42^\circ$. The maximum illuminance is $I_{\max} = 1758 \text{ cd}$. To the right of the diagram is a table of photometric data.

CIE		Lux				
nL 0.70						
100-100-100-100-70						
UGR <10-10						
DIN						
A.61						
UTE						
0.70A+0.00T						
F*1=998						
F*1+F*2=1000						
F*1+F*2+F*3=1000						
CIBSE						
LG3 Lc1500 cd/m ² at 65°						
UGR<10 Lc1500 cd/mq @65°						
		h	d1	d2	Em	E _{max}
		2	1.6	1.5	349	438
		4	3.1	3.1	87	110
		6	4.7	4.6	39	49
		8	6.2	6.1	22	27

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	60	58	56	59	57	57	55	78
1.0	66	63	61	59	62	60	60	58	83
1.5	69	67	65	64	66	65	64	62	89
2.0	71	70	69	67	69	68	67	65	93
2.5	73	71	71	70	71	70	69	67	96
3.0	74	73	72	71	72	71	70	68	98
4.0	74	74	73	73	73	72	71	70	99
5.0	75	74	74	74	73	73	72	70	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1150 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	5.2	5.0	5.5	5.9	0.1	5.4	5.9	5.7	0.1	0.3
	3H	5.1	5.5	5.4	5.7	0.0	5.3	5.7	5.0	5.9	0.2
	4H	5.0	5.4	5.3	5.7	0.0	5.2	5.0	5.5	5.9	0.2
	6H	4.9	5.3	5.2	5.0	5.9	5.1	5.5	5.5	5.8	0.1
	8H	4.9	5.2	5.2	5.5	5.9	5.1	5.4	5.4	5.7	0.1
	12H	4.8	5.2	5.2	5.5	5.9	5.0	5.4	5.4	5.7	0.1
4H	2H	5.0	5.4	5.3	5.7	0.0	5.2	5.0	5.5	5.9	0.2
	3H	4.8	5.2	5.2	5.5	5.9	5.0	5.4	5.4	5.7	0.1
	4H	4.7	5.0	5.1	5.4	5.8	4.9	5.2	5.3	5.0	0.0
	6H	4.7	4.9	5.1	5.3	5.7	4.9	5.1	5.3	5.5	5.9
	8H	4.6	4.8	5.0	5.3	5.7	4.8	5.0	5.2	5.5	5.9
	12H	4.6	4.8	5.0	5.2	5.7	4.8	5.0	5.2	5.4	5.9
8H	4H	4.6	4.8	5.0	5.3	5.7	4.8	5.0	5.2	5.5	5.9
	6H	4.5	4.7	5.0	5.2	5.0	4.7	4.9	5.2	5.4	5.8
	8H	4.4	4.6	4.9	5.1	5.0	4.7	4.8	5.1	5.3	5.8
	12H	4.4	4.5	4.9	5.0	5.5	4.6	4.7	5.1	5.2	5.8
12H	4H	4.6	4.8	5.0	5.2	5.7	4.8	5.0	5.2	5.4	5.9
	6H	4.4	4.6	4.9	5.1	5.0	4.7	4.8	5.1	5.3	5.8
	8H	4.4	4.5	4.9	5.0	5.5	4.6	4.7	5.1	5.2	5.8
Variations with the observer position at spacing:											
S =	1.0H	6.7 / -17.0					6.6 / -18.7				
	1.5H	9.5 / -23.9					9.5 / -27.2				
	2.0H	11.5 / -33.7					11.5 / -32.9				