

Last information update: October 2024

Product configuration: QE36

QE36: 15 - cell Recessed luminaire - LED - Neutral white Wide Flood optic



Product code

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Technical description

rectangular miniaturised recessed luminaire with 15 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear 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 DALI dimmable electronic control gear connected to the luminaire. Neutral white LED.

Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 406

Colour

White (01) | Black / Black (43) | Black / White (47)

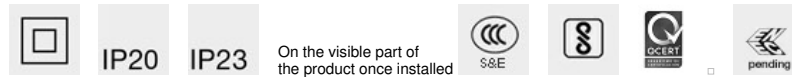
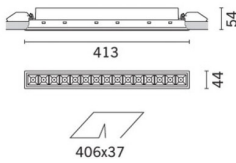
Mounting

wall recessed|ceiling recessed

Wiring

on control gear box with quick-coupling connections

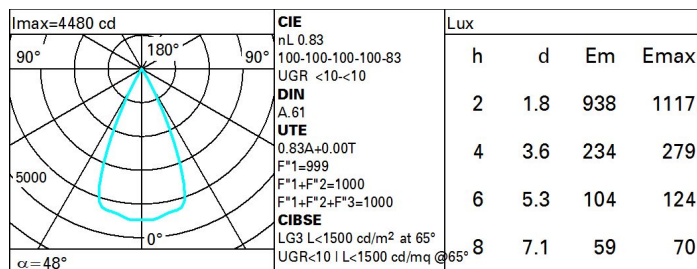
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	2529	CRI (typical):	97
W system:	31	Colour temperature [K]:	3500
lm source:	3050	MacAdam Step:	3
W source:	31	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	81.6	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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	48°	Control:	DALI-2
CRI (minimum):	95		

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

UGR diagram

Corrected UGR values (at 3050 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	1.8	2.3	2.1	2.5	2.7	1.8	2.3	2.1	2.5	2.7
	3H	1.7	2.1	2.0	2.4	2.6	1.7	2.1	2.0	2.4	2.6
	4H	1.6	2.0	1.9	2.3	2.6	1.6	2.0	1.9	2.3	2.6
	6H	1.5	1.9	1.9	2.2	2.5	1.5	1.9	1.9	2.2	2.5
	8H	1.5	1.8	1.8	2.2	2.5	1.5	1.8	1.8	2.2	2.5
12H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5	
4H	2H	1.6	2.0	1.9	2.3	2.6	1.6	2.0	1.9	2.3	2.6
	3H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5
	4H	1.4	1.7	1.7	2.0	2.4	1.4	1.7	1.7	2.0	2.4
	6H	1.3	1.5	1.7	1.9	2.3	1.3	1.5	1.7	1.9	2.3
	8H	1.2	1.5	1.7	1.9	2.3	1.2	1.5	1.7	1.9	2.3
12H	1.2	1.4	1.6	1.8	2.3	1.2	1.4	1.6	1.8	2.3	
8H	4H	1.2	1.5	1.7	1.9	2.3	1.2	1.5	1.7	1.9	2.3
	6H	1.1	1.3	1.6	1.8	2.2	1.1	1.3	1.6	1.8	2.2
	8H	1.1	1.2	1.6	1.7	2.2	1.1	1.2	1.6	1.7	2.2
	12H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
12H	4H	1.2	1.4	1.6	1.8	2.3	1.2	1.4	1.6	1.8	2.3
	6H	1.1	1.2	1.6	1.7	2.2	1.1	1.2	1.6	1.7	2.2
	8H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -18.0					6.9 / -18.0				
	1.5H	9.7 / -18.3					9.7 / -18.3				
	2.0H	11.7 / -18.4					11.7 / -18.4				