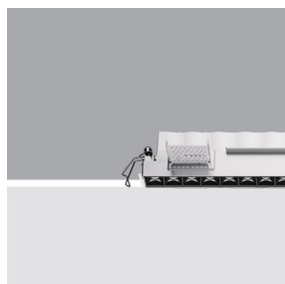


Last information update: June 2018



## Minimal 15 cells - Flood beam - LED

### Product code

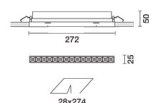
Q582

### Technical description

Linear miniaturised recessed luminaire with 15 optical elements for LED lamps - fixed optic. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast zamak radiant surface, minimal (frameless) version for mounting flush with the ceiling. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

### Installation

Recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (compatible thicknesses of 12.5 / 15 / 20 mm) with screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic end finishing. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up. Preparation hole 28 x 274.



### Dimension (mm)

272x25x50

### Colour

White (01) | Black (04) | Brass (14) | (E6)

### Weight (Kg)

0.7

### Mounting

wall recessed|ceiling recessed

### Wiring

On the power supply unit with terminal board included.

### Notes

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

Complies with EN60598-1 and pertinent regulations



IP20



pending

### Product configuration: Q582

#### Product characteristics

Total lighting output [Lm]: 1785  
Total power [W]: 33  
Luminous efficacy [Lm/W]: 54.1  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: 230  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 29  
Nominal luminous [Lm]: 2150  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 42°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4  
Colour temperature [K]: 2700  
CRI: 90  
Wavelength [nm]: /  
MacAdam Step: 3

	<b>CIE</b> nL 0.83 100-100-100-100-83 UGR <10<10		<b>Lux</b>			
	<b>DIN</b> A.61		h	d	Em	E <sub>max</sub>
	<b>UTE</b> 0.83A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000		2	1.5	746	910
	<b>CIBSE</b> LG3 Lc500 cd/m <sup>2</sup> at 65°		4	3.1	186	227
			6	4.6	83	101
α = 42°			8	6.1	47	57

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	80	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	87	85	83	100

The graph plots viewing angle  $\alpha$  (in degrees) on the y-axis (45° to 85°) against luminance in  $\text{cd/m}^2$  on the x-axis (logarithmic scale from  $10^2$  to  $10^4$ ). A dashed line represents the C90-270 range. The legend indicates that for QC, A, G, B, and C, the values 1.15, 1.50, and 1.85 correspond to different distances or parameters. The graph shows that as the viewing angle increases, the luminance required for a given camera type also increases. The C90-270 range is highlighted with a dashed line, indicating a specific operational range for the cameras.

# UGR diagram

Corrected UGR values (at 2150 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	6.4	6.8	6.6	7.1	7.3	6.4	6.8	6.6	7.1	7.3	
	3H	6.2	6.7	6.5	6.9	7.2	6.2	6.7	6.5	6.9	7.2	
	4H	6.2	6.6	6.5	6.8	7.1	6.2	6.6	6.5	6.8	7.1	
	6H	6.1	6.5	6.4	6.8	7.1	6.1	6.5	6.4	6.8	7.1	
	8H	6.1	6.4	6.4	6.7	7.1	6.0	6.4	6.4	6.7	7.1	
	12H	6.0	6.4	6.4	6.7	7.0	6.0	6.3	6.4	6.7	7.0	
4H	2H	6.2	6.6	6.5	6.8	7.1	6.2	6.6	6.5	6.8	7.1	
	3H	6.0	6.4	6.4	6.7	7.0	6.0	6.4	6.4	6.7	7.0	
	4H	5.9	6.2	6.3	6.6	7.0	5.9	6.2	6.3	6.6	7.0	
	6H	5.8	6.1	6.3	6.5	6.9	5.8	6.1	6.2	6.5	6.9	
	8H	5.8	6.0	6.2	6.4	6.9	5.8	6.0	6.2	6.4	6.9	
	12H	5.7	6.0	6.2	6.4	6.9	5.7	6.0	6.2	6.4	6.8	
8H	4H	5.8	6.0	6.2	6.4	6.9	5.8	6.0	6.2	6.4	6.9	
	6H	5.7	5.9	6.2	6.3	6.8	5.7	5.9	6.2	6.3	6.8	
	8H	5.6	5.8	6.1	6.3	6.8	5.6	5.8	6.1	6.3	6.8	
	12H	5.6	5.8	6.1	6.2	6.8	5.6	5.7	6.1	6.2	6.8	
12H	4H	5.7	6.0	6.2	6.4	6.8	5.7	6.0	6.2	6.4	6.9	
	6H	5.6	5.8	6.1	6.3	6.8	5.7	5.8	6.1	6.3	6.8	
	8H	5.6	5.7	6.1	6.2	6.8	5.6	5.8	6.1	6.2	6.8	
Variations with the observer position at spacing:												
S =		1.0H	7.0 / -14.5				7.0 / -14.5					
		1.5H	9.8 / -14.7				9.8 / -14.7					
		2.0H	11.8 / -14.8				11.8 / -14.8					