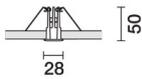
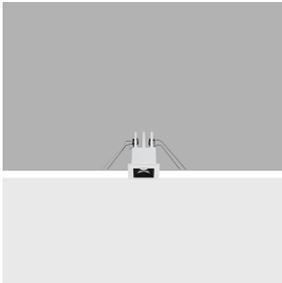


Last information update: December 2024

**Product configuration: Q463**

Q463: Frame 1 cell - Medium beam - LED



**Product code**

Q463: Frame 1 cell - Medium beam - LED

**Technical description**

Square miniaturised recessed luminaire for a single LED lamp - 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, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflector, integrated in a set-back position in the anti-glare screen. Ballast not included, available with separate code.

**Installation**

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 24.

**Colour**

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)\* | Grey / Black (74)\* | White / burnished chrome (E7)\*

**Weight (Kg)**

0.07

\* Colours on request

**Mounting**

wall recessed|ceiling recessed

**Wiring**

Direct current ballasts to be ordered separately; ON-OFF - code no. MXF9 (min 1 / max 8); dimmable DALI - code no. BZM4 (min 2 / max 20) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

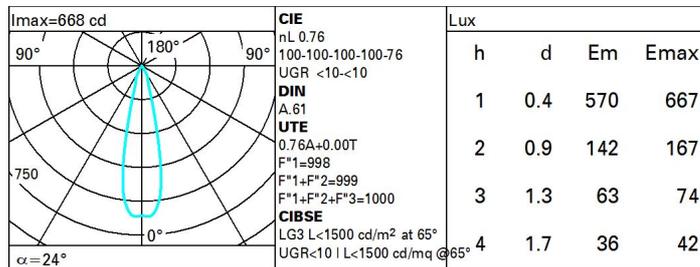
Complies with EN60598-1 and pertinent regulations



**Technical data**

Im system:	144	CRI (minimum):	90
W system:	2	Colour temperature [K]:	2700
Im source:	190	MacAdam Step:	2
W source:	2	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	72.2	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.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	24°	LED current [mA]:	700

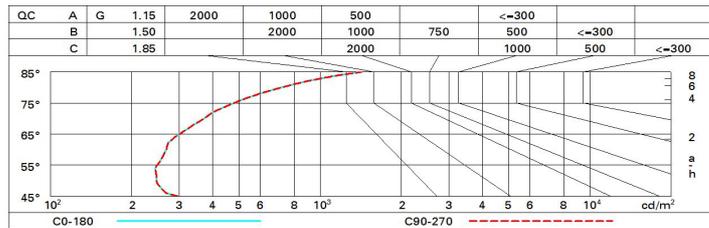
**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	60	78
1.0	72	69	66	65	68	66	65	63	83
1.5	75	73	71	69	72	70	70	67	89
2.0	77	76	74	73	75	73	73	71	93
2.5	79	78	77	76	77	76	75	73	96
3.0	80	79	78	78	78	77	76	74	98
4.0	81	80	80	79	79	78	77	75	99
5.0	81	81	80	80	80	79	78	76	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 190 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	4.4	0.5	4.8	0.8	7.2	4.4	0.5	4.8	0.8	7.2
	3H	4.3	5.9	4.6	0.2	0.5	4.3	5.8	4.6	0.2	0.5
	4H	4.2	5.6	4.6	5.9	0.2	4.2	5.5	4.6	5.8	0.2
	0H	4.2	5.3	4.6	5.6	5.9	4.2	5.2	4.5	5.5	5.9
	8H	4.2	5.3	4.6	5.6	0.0	4.1	5.1	4.5	5.5	5.8
12H	4.3	5.3	4.7	5.6	0.0	4.1	5.1	4.5	5.4	5.8	
4H	2H	4.2	5.5	4.6	5.8	0.2	4.2	5.6	4.6	5.9	0.2
	3H	4.1	5.1	4.5	5.5	5.9	4.1	5.1	4.5	5.5	5.9
	4H	4.0	5.0	4.4	5.4	5.8	4.0	5.0	4.4	5.4	5.8
	6H	3.7	5.4	4.2	5.9	0.3	3.7	5.4	4.1	5.8	0.3
	8H	3.7	5.6	4.2	6.0	0.5	3.5	5.4	4.0	5.9	0.4
12H	3.7	5.7	4.2	6.1	0.7	3.4	5.4	4.0	5.9	0.4	
8H	4H	3.5	5.4	4.0	5.9	0.4	3.7	5.6	4.2	6.0	0.5
	0H	3.6	5.3	4.1	5.8	0.4	3.6	5.4	4.2	5.9	0.4
	8H	3.7	5.2	4.2	5.7	0.3	3.7	5.2	4.2	5.7	0.3
	12H	4.1	5.0	4.6	5.5	0.1	3.9	4.9	4.4	5.4	5.9
12H	4H	3.4	5.4	4.0	5.9	0.4	3.7	5.7	4.2	6.1	0.7
	0H	3.6	5.1	4.1	5.6	0.2	3.8	5.4	4.3	5.9	0.4
	8H	3.9	4.9	4.4	5.4	5.9	4.1	5.0	4.6	5.5	0.1
Variations with the observer position at spacing:											
S =	1.0H	6.3 / -5.9					6.3 / -5.9				
	1.5H	9.0 / -6.0					9.0 / -6.0				
	2.0H	11.0 / -6.1					11.0 / -6.1				