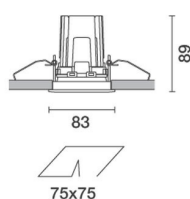
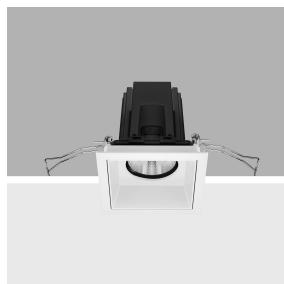


Last information update: May 2025

**Product configuration: Q816.01**

Q816.01: Fixed square recessed luminaire - LED - wide flood - Super Comfort - 10W 1069.2lm - 3000K - CRI 90 - White

**Product code**

Q816.01: Fixed square recessed luminaire - LED - wide flood - Super Comfort - 10W 1069.2lm - 3000K - CRI 90 - White

**Technical description**

Square recessed luminaire with contact frame. Fixed Super Comfort version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. The main body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wide flood optic (58°). Structure with die-cast aluminium external contact frame with a single white finish. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass included Quick and easy tool free assembly. High color rendering index 3,000K LED. Power unit available with a separate code no.

**Installation**

Recessed in a false ceiling by means of an anti-fall steel wire spring - minimum thickness of false ceiling: 1 mm - preparation slot: 75 x 75 mm.

**Colour**  
White (01)

**Weight (Kg)**  
0.26

**Mounting**

wall recessed|ceiling recessed

**Wiring**

Direct current ballasts are available with a separate code no.: ON-OFF / 1-10V dimmable / DALI dimmable / Trailing Edge dimmable - the recessed fitting includes a cable and a quick-coupling connector to connect it to the connector on the ballast.

**Notes**

A wide range of decorative accessories and diffusers is available.

Complies with EN60598-1 and pertinent regulations



IP20

IP44

On the visible part of the product once installed

**Technical data**

lm system:	1069	Rf (Colour Fidelity Index):	92
W system:	10	Rg (Gamut Index):	99
lm source:	1320	Colour temperature [K]:	3000
W source:	10	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	106.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	81	ZVEI Code:	LED
Beam angle [°]:	56°	Number of optical assemblies:	1
CRI (minimum):	90	LED current [mA]:	300

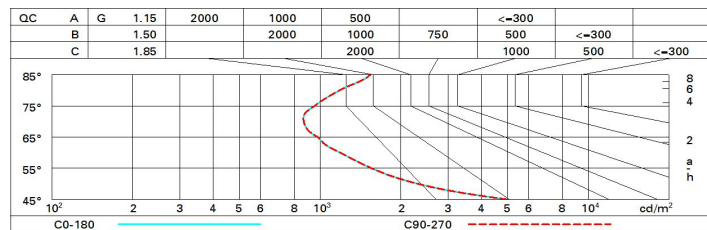
**Polar**

Imax=1421 cd		CIE		Lux			
90°	180°	nL 0.81	98-100-100-100-81	h	d	Em	E <sub>max</sub>
		UGR 16.0-16.0	DIN A.61	1	1.1	1096	1399
		UTE 0.81A+0.00T	F*1=984	2	2.1	274	350
		F*1+F*2=997	F*1+F*2+F*3=999	3	3.2	122	155
		CIBSE LG3 L<3000 cd/m² at 65°	UGR<16   L<3000 cd/mq @ 65°	4	4.3	69	87
α=56°							

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	66	64	68	66	65	63	77
1.0	76	72	70	68	72	69	69	66	82
1.5	80	77	75	73	76	74	74	71	88
2.0	82	80	79	78	79	78	77	75	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	83	82	81	79	97
4.0	86	85	85	84	84	83	82	80	99
5.0	86	86	85	85	85	84	83	81	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1320 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	10.5	17.1	10.8	17.4	17.0	10.5	17.1	10.8	17.4	17.0
	3H	10.4	10.9	10.7	17.2	17.5	10.4	10.9	10.7	17.2	17.5
	4H	10.3	10.8	10.6	17.1	17.4	10.3	10.8	10.6	17.1	17.4
	6H	10.2	10.7	10.6	17.0	17.4	10.2	10.7	10.6	17.0	17.3
	8H	10.2	10.7	10.6	17.0	17.3	10.2	10.6	10.6	17.0	17.3
	12H	10.2	10.6	10.6	17.0	17.3	10.2	10.6	10.5	16.9	17.3
4H	2H	10.3	10.8	10.6	17.1	17.4	10.3	10.8	10.6	17.1	17.4
	3H	10.2	10.6	10.5	16.9	17.3	10.2	10.6	10.5	16.9	17.3
	4H	10.1	10.5	10.5	16.8	17.2	10.1	10.5	10.5	16.8	17.2
	6H	10.0	10.4	10.4	16.7	17.2	10.0	10.3	10.4	16.7	17.2
	8H	10.0	10.3	10.4	16.7	17.1	10.0	10.3	10.4	16.7	17.1
	12H	10.0	10.2	10.4	16.7	17.1	15.9	10.2	10.4	16.6	17.1
8H	4H	10.0	10.3	10.4	16.7	17.1	10.0	10.3	10.4	16.7	17.1
	6H	15.9	10.1	10.4	16.6	17.1	15.9	10.2	10.4	16.6	17.1
	8H	15.9	10.1	10.3	16.5	17.0	15.9	10.1	10.3	16.5	17.0
	12H	15.8	10.0	10.3	16.5	17.0	15.8	10.0	10.3	16.5	17.0
12H	4H	15.9	10.2	10.4	16.6	17.1	10.0	10.2	10.4	16.7	17.1
	6H	15.8	10.1	10.3	16.5	17.0	15.9	10.1	10.4	16.6	17.1
	8H	15.8	10.0	10.3	16.5	17.0	15.8	10.0	10.3	16.5	17.0
Variations with the observer position at spacing:											
S =		6.2 / -10.9					6.2 / -10.9				
		9.0 / -11.4					9.0 / -11.4				
		11.0 / -11.6					11.0 / -11.6				