

Last information update: October 2024

Product configuration: QW06.83

QW06.83: Ø 225 mm - warm white - INVERTER - Black Transparent

**Product code**

QW06.83: Ø 225 mm - warm white - INVERTER - Black Transparent

Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in warm white colour tone (3000K). General lighting beam. Luminaire complete with inverter for safety light.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.

Colour

Black Transparent (83)

Weight (Kg)

1.15

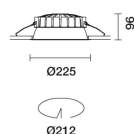
Mounting

ceiling surface

Wiring

product complete with INVERTER for safety light.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	3916	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	41	Lamp code:	LED
lm source:	4450	Number of lamps for optical assembly:	1
W source:	32	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	95.5	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	19.4 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	88	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	On/off
MacAdam Step:	2		

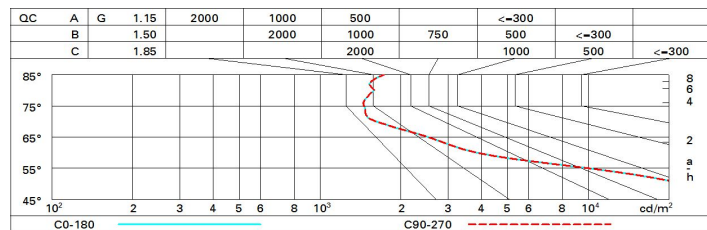
Polar

 Imax=2471 cd α=77°	CIE nL 0.88 78-98-100-100-88 UGR 20.3-20.2 DIN A.61 UTE 0.88B+0.00T F*1=779 F*1+F*2=983 F*1+F*2+F*3=997 CIBSE LG3 L<3000 cd/m² at 65°				Lux			
	h	d	Em	Emax	h	d	Em	Emax
	2	3.2	451	601				
	4	6.4	113	150				
	6	9.6	50	67				
	8	12.8	28	38				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	64	60	56	63	59	59	54	62
1.0	75	70	66	63	69	65	65	60	69
1.5	82	78	75	72	77	74	73	69	79
2.0	86	83	80	78	81	79	78	75	85
2.5	88	86	83	82	84	82	81	78	89
3.0	90	88	86	84	86	84	83	80	91
4.0	91	89	88	87	88	87	85	82	94
5.0	92	90	89	88	89	88	86	83	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 4450 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.7	21.5	21.0	21.8	22.0	20.7	21.5	21.0	21.8	22.0
	3H	20.6	21.3	20.9	21.6	21.9	20.6	21.3	20.9	21.6	21.9
	4H	20.5	21.2	20.9	21.5	21.8	20.5	21.2	20.9	21.5	21.8
	6H	20.4	21.1	20.8	21.4	21.7	20.5	21.1	20.8	21.4	21.7
	8H	20.4	21.0	20.8	21.3	21.7	20.4	21.0	20.8	21.4	21.7
	12H	20.4	21.0	20.8	21.3	21.7	20.4	21.0	20.8	21.3	21.7
4H	2H	20.5	21.2	20.9	21.5	21.8	20.5	21.2	20.9	21.5	21.8
	3H	20.4	21.0	20.8	21.3	21.7	20.4	21.0	20.8	21.4	21.7
	4H	20.4	20.9	20.8	21.2	21.6	20.4	20.9	20.8	21.2	21.6
	6H	20.3	20.7	20.7	21.1	21.6	20.3	20.7	20.7	21.1	21.6
	8H	20.3	20.7	20.7	21.1	21.5	20.2	20.6	20.7	21.1	21.5
	12H	20.2	20.6	20.7	21.0	21.5	20.2	20.6	20.7	21.0	21.5
8H	4H	20.2	20.6	20.7	21.1	21.5	20.3	20.7	20.7	21.1	21.5
	6H	20.2	20.5	20.7	21.0	21.4	20.2	20.5	20.7	21.0	21.5
	8H	20.2	20.4	20.7	20.9	21.4	20.2	20.4	20.7	20.9	21.4
	12H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
12H	4H	20.2	20.6	20.7	21.0	21.5	20.2	20.6	20.7	21.0	21.5
	6H	20.2	20.4	20.6	20.9	21.4	20.2	20.5	20.7	20.9	21.4
	8H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
Variations with the observer position at spacing:											
S =		1.0H					1.4 / -4.3				
		1.5H					3.2 / -8.8				
		2.0H					5.1 / -9.9				