

Last information update: October 2024

**Product configuration: QW06.D8**

QW06.D8: Ø 225 mm - warm white - INVERTER - White Transparent

**Product code**

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**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**

White Transparent (D8)

**Weight (Kg)**

1.15

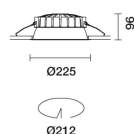
**Mounting**

ceiling surface

**Wiring**

product complete with INVERTER for safety light.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	4139	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):	100.9	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.) [%]:	93	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		

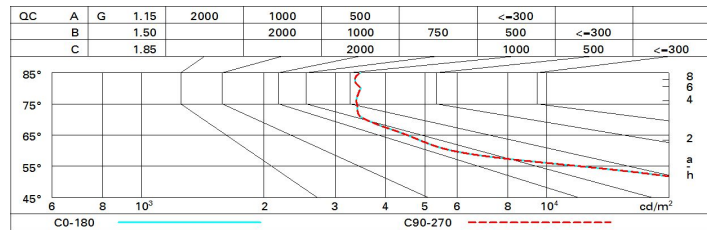
**Polar**

	<b>CIE</b> nL 0.93 76-97-99-100-93 UGR 21.0-20.9 <b>DIN</b> A.61 <b>UTE</b> 0.93B+0.00T F*1=758 F*1+F*2=969 F*1+F*2+F*3=994			
	<b>Lux</b>			
	h	d	Em	Emax
	2	3.3	461	611
	4	6.5	115	153
	6	9.8	51	68
	8	13	29	38

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	67	62	58	65	61	61	56	60
1.0	79	73	68	65	71	67	67	62	67
1.5	86	81	78	75	80	77	76	72	77
2.0	90	87	84	81	85	83	82	78	84
2.5	93	90	87	85	88	86	85	81	88
3.0	94	92	90	88	90	88	87	84	90
4.0	96	94	92	91	92	91	89	86	93
5.0	97	95	94	93	93	92	91	88	94

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 4450 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.0	21.9	21.3	22.1	22.4	21.0	21.9	21.3	22.1	22.4
	3H	21.0	21.8	21.3	22.1	22.3	21.0	21.8	21.3	22.0	22.3
	4H	21.0	21.7	21.3	22.0	22.3	20.9	21.6	21.3	21.9	22.3
	6H	21.0	21.6	21.3	21.9	22.3	20.9	21.5	21.2	21.8	22.2
	8H	21.0	21.6	21.3	21.9	22.3	20.8	21.5	21.2	21.8	22.1
	12H	21.0	21.5	21.3	21.9	22.3	20.8	21.4	21.2	21.7	22.1
4H	2H	20.9	21.6	21.3	21.9	22.3	21.0	21.7	21.3	22.0	22.3
	3H	20.9	21.5	21.3	21.9	22.2	21.0	21.6	21.4	21.9	22.3
	4H	20.9	21.5	21.4	21.8	22.2	20.9	21.5	21.4	21.8	22.2
	6H	21.0	21.4	21.4	21.8	22.2	20.9	21.4	21.3	21.8	22.2
	8H	21.0	21.4	21.4	21.8	22.2	20.9	21.3	21.3	21.7	22.1
	12H	21.0	21.3	21.4	21.8	22.2	20.8	21.2	21.3	21.6	22.1
8H	4H	20.9	21.3	21.3	21.7	22.1	21.0	21.4	21.4	21.8	22.2
	6H	20.9	21.3	21.4	21.7	22.2	21.0	21.3	21.4	21.8	22.2
	8H	21.0	21.2	21.4	21.7	22.2	21.0	21.2	21.4	21.7	22.2
	12H	21.0	21.2	21.5	21.7	22.2	20.9	21.2	21.4	21.7	22.2
12H	4H	20.8	21.2	21.3	21.6	22.1	21.0	21.3	21.4	21.8	22.2
	6H	20.9	21.2	21.4	21.7	22.2	21.0	21.3	21.5	21.7	22.2
	8H	20.9	21.2	21.4	21.7	22.2	21.0	21.2	21.5	21.7	22.2
Variations with the observer position at spacing:											
S =		1.0H					1.2 / -2.8				
		1.5H					2.7 / -5.1				
		2.0H					4.5 / -5.6				