

Last information update: April 2025

**Product configuration: QV97.83**

QV97.83: Ø 225 mm - neutral white - DALI - Black 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. Prismatic thermoplastic reflector complete with flux enhancer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in neutral white colour tone (4000K). General lighting beam.

**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 DALI components

**Notes**

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	3060	Colour temperature [K]:	4000
W system:	25.3	MacAdam Step:	2
Im source:	3600	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	22	Lamp code:	LED
Luminous efficiency (Im/W, real value):	120.9	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	85	Control:	DALI-2
CRI (minimum):	80		

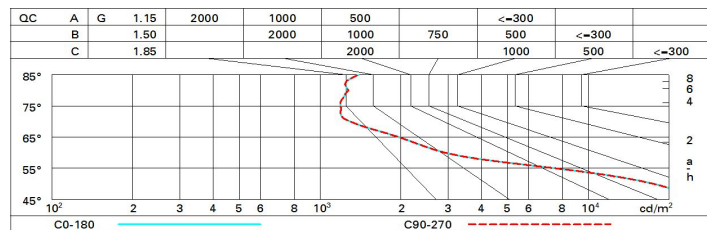
**Polar**

Imax=1940 cd		CIE		Lux			
				h	d	Em	E <sub>max</sub>
90°		nL 0.85		2	3.2	363	483
180°		78-98-100-100-85		4	6.4	91	121
90°		UGR 19.4-19.3		6	9.5	40	54
		DIN A.61		8	12.7	23	30
		UTE 0.85B+0.00T					
		F*1=780					
		F*1+F*2=983					
		F*1+F*2+F*3=997					
		CIBSE LG3 L<3000 cd/m² at 65°					
α=77°							

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	62	58	54	61	57	57	53	62
1.0	73	67	63	61	66	63	62	58	69
1.5	79	75	72	69	74	71	70	67	79
2.0	83	80	77	75	79	76	75	72	85
2.5	85	83	81	79	81	79	78	75	89
3.0	87	85	83	81	83	82	80	78	91
4.0	88	86	85	84	85	84	82	80	94
5.0	89	87	86	85	86	85	83	81	95

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)										
Reflect.:	ceiling	cav	walls	work pl.	Room dim	viewed crosswise				
						x	y	viewed endwise		
2H	2H	19.8	20.6	20.1	20.8	21.1	19.8	20.6	20.1	20.8
	3H	19.7	20.4	20.0	20.7	21.0	19.7	20.4	20.0	20.7
	4H	19.6	20.3	20.0	20.6	20.9	19.6	20.3	20.0	20.6
	6H	19.5	20.2	19.9	20.5	20.8	19.6	20.2	19.9	20.5
	8H	19.5	20.1	19.9	20.4	20.8	19.5	20.1	19.9	20.4
	12H	19.5	20.1	19.9	20.4	20.8	19.5	20.1	19.9	20.4
4H	2H	19.6	20.3	20.0	20.6	20.9	19.6	20.3	20.0	20.6
	3H	19.5	20.1	19.9	20.4	20.8	19.5	20.1	19.9	20.4
	4H	19.5	20.0	19.9	20.3	20.7	19.5	20.0	19.9	20.3
	6H	19.4	19.8	19.8	20.2	20.7	19.4	19.8	19.8	20.2
	8H	19.4	19.8	19.8	20.2	20.6	19.3	19.7	19.8	20.2
	12H	19.3	19.7	19.8	20.1	20.6	19.3	19.7	19.8	20.1
8H	4H	19.3	19.7	19.8	20.2	20.6	19.4	19.8	19.8	20.2
	6H	19.3	19.6	19.8	20.1	20.5	19.3	19.6	19.8	20.1
	8H	19.3	19.5	19.8	20.0	20.5	19.3	19.5	19.8	20.0
	12H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0
12H	4H	19.3	19.7	19.8	20.1	20.6	19.3	19.7	19.8	20.1
	6H	19.3	19.5	19.7	20.0	20.5	19.3	19.6	19.8	20.0
	8H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0
Variations with the observer position at spacing:										
S =	1.0H	1.5 / -4.5					1.5 / -4.5			
	1.5H	3.2 / -8.6					3.2 / -8.6			
	2.0H	5.1 / -9.7					5.1 / -9.7			