

Last information update: April 2025

Product configuration: QV85.D8

QV85.D8: Ø 163 mm - neutral white - DALI - 24.4W 3094lm - 4000K - White Transparent

**Product code**

QV85.D8: Ø 163 mm - neutral white - DALI - 24.4W 3094lm - 4000K - White Transparent

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

White Transparent (D8)

Weight (Kg)

0.76

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:	3094	Colour temperature [K]:	4000
W system:	24.4	MacAdam Step:	2
Im source:	3400	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	21	Lamp code:	LED
Luminous efficiency (Im/W, real value):	126.8	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.) [%]:	91	Control:	DALI-2
CRI (minimum):	80		

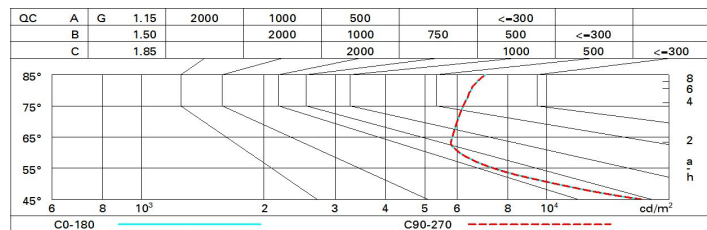
Polar

Imax=3282 cd		Lux			
h	d	Em	E _{max}		
2	2.2	628	821		
4	4.3	157	205		
6	6.5	70	91		
8	8.6	39	51		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	72	68	65	71	68	67	64	70
1.0	82	77	73	71	76	73	72	69	75
1.5	87	83	80	78	82	79	79	75	83
2.0	90	88	85	83	86	84	83	80	88
2.5	92	90	88	87	89	87	86	83	91
3.0	94	92	91	89	90	89	88	85	94
4.0	95	94	93	92	92	91	90	87	96
5.0	96	95	94	93	93	92	91	88	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 3400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	18.5	19.2	18.8	19.5	19.7	18.5	19.2	18.8	19.5	19.7
	3H	18.7	19.4	19.0	19.7	20.0	18.5	19.1	18.8	19.4	19.7
	4H	18.9	19.5	19.2	19.8	20.1	18.4	19.1	18.8	19.4	19.7
	6H	19.1	19.7	19.4	20.0	20.3	18.4	19.0	18.8	19.3	19.6
	8H	19.2	19.7	19.5	20.1	20.4	18.4	18.9	18.8	19.3	19.6
	12H	19.2	19.8	19.6	20.1	20.5	18.4	18.9	18.7	19.2	19.6
4H	2H	18.4	19.1	18.8	19.4	19.7	18.9	19.5	19.2	19.8	20.1
	3H	18.8	19.4	19.2	19.7	20.1	19.0	19.6	19.4	19.9	20.3
	4H	19.1	19.6	19.5	19.9	20.3	19.1	19.6	19.5	19.9	20.3
	6H	19.4	19.8	19.9	20.2	20.7	19.2	19.6	19.6	20.0	20.4
	8H	19.6	20.0	20.0	20.4	20.8	19.2	19.6	19.6	20.0	20.4
	12H	19.7	20.1	20.2	20.5	20.9	19.2	19.5	19.6	20.0	20.4
8H	4H	19.2	19.6	19.6	20.0	20.4	19.6	20.0	20.0	20.4	20.8
	6H	19.6	20.0	20.1	20.4	20.9	19.8	20.1	20.3	20.5	21.0
	8H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.1
	12H	20.1	20.3	20.6	20.8	21.3	19.9	20.2	20.4	20.7	21.2
12H	4H	19.2	19.5	19.6	20.0	20.4	19.7	20.1	20.2	20.5	20.9
	6H	19.7	19.9	20.2	20.4	20.9	20.0	20.2	20.4	20.7	21.2
	8H	19.9	20.2	20.4	20.7	21.2	20.1	20.3	20.6	20.8	21.3
Variations with the observer position at spacing:											
S =	1.0H	2.1 / -1.7					2.1 / -1.7				
	1.5H	4.2 / -2.1					4.2 / -2.1				
	2.0H	5.9 / -2.2					5.9 / -2.2				