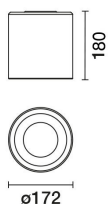


Last information update: February 2025

Product configuration: QU22

QU22: Ø 172 mm - warm white - dali

**Product code**

QU22: Ø 172 mm - warm white - dali

Technical description

A round luminaire that can be surface or pendant-mounted using a kit to be ordered separately. The product is designed to use LED lamps with C.o.B. technology. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. The product is fitted with a passive dissipation system. Luminaire complete with LED lamp in warm white colour tone (3000K). General lighting beam.

Installation

surface or pendant-mounted using a kit to be ordered as an accessory.

Colour

White / Aluminium (39) | Black / Aluminium (40)

Weight (Kg)

1.03

Mounting

ceiling surface

Wiring

product complete with dali components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2160	Colour temperature [K]:	3000
W system:	17	MacAdam Step:	2
lm source:	2400	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	15	Lamp code:	LED
Luminous efficiency (lm/W, real value):	127.1	Number of lamps for optical assembly:	1
lm 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.) [%]:	90	Control:	DALI-2
CRI (minimum):	80		

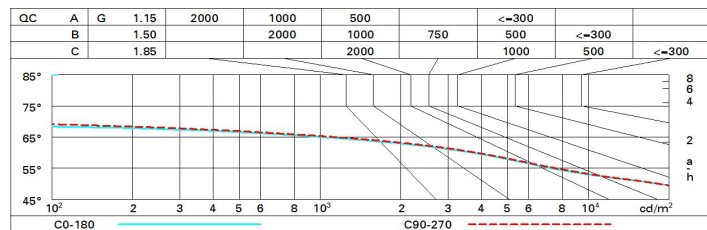
Polar

Imax=1452 cd		CIE		Lux			
				h	d	Em	E _{max}
90°		nL 0.90		1	1.6	1067	1438
180°		85-100-100-100-90		2	3.2	267	360
90°		UGR 20.3-20.3		3	4.8	119	160
1500		DIN A 61		4	6.4	67	90
0°		UTE 0.90A+0.00T					
		F*1=846					
		F*1+F*2=996					
		F*1+F*2+F*3=1000					
		CIBSE LG3 L<1500 cd/m² at 65°					
α=77° / 78°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	69	65	62	68	64	64	60	67
1.0	80	74	71	68	73	70	70	66	73
1.5	86	82	79	76	81	78	77	74	82
2.0	89	86	84	82	85	83	82	79	88
2.5	91	89	87	86	88	86	85	82	91
3.0	93	91	89	88	89	88	87	84	93
4.0	94	92	91	90	91	90	89	86	95
5.0	95	94	92	92	92	91	90	87	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.8	21.6	21.1	21.8	22.1	20.9	21.7	21.2	21.9	22.2
	3H	20.7	21.4	21.0	21.6	21.9	20.8	21.5	21.1	21.7	22.0
	4H	20.6	21.2	20.9	21.5	21.8	20.7	21.4	21.1	21.6	22.0
	6H	20.5	21.1	20.9	21.4	21.7	20.6	21.2	21.0	21.5	21.9
	8H	20.5	21.0	20.9	21.4	21.7	20.6	21.2	21.0	21.5	21.8
	12H	20.4	21.0	20.8	21.3	21.7	20.6	21.1	20.9	21.4	21.8
4H	2H	20.6	21.3	21.0	21.6	21.9	20.7	21.3	21.0	21.6	21.9
	3H	20.5	21.0	20.9	21.3	21.7	20.6	21.1	20.9	21.4	21.8
	4H	20.4	20.8	20.8	21.2	21.6	20.5	20.9	20.9	21.3	21.7
	6H	20.3	20.7	20.7	21.1	21.5	20.4	20.8	20.8	21.2	21.6
	8H	20.3	20.6	20.7	21.0	21.5	20.3	20.7	20.8	21.1	21.6
	12H	20.2	20.5	20.7	21.0	21.4	20.3	20.6	20.8	21.1	21.5
8H	4H	20.3	20.6	20.7	21.0	21.5	20.3	20.7	20.8	21.1	21.6
	6H	20.2	20.5	20.6	20.9	21.4	20.3	20.6	20.7	21.0	21.5
	8H	20.1	20.4	20.6	20.8	21.3	20.2	20.5	20.7	20.9	21.4
	12H	20.1	20.3	20.6	20.8	21.3	20.2	20.4	20.7	20.9	21.4
12H	4H	20.2	20.5	20.7	21.0	21.4	20.3	20.6	20.8	21.1	21.5
	6H	20.1	20.4	20.6	20.8	21.3	20.2	20.5	20.7	20.9	21.4
	8H	20.1	20.3	20.6	20.8	21.3	20.2	20.4	20.7	20.9	21.4
Variations with the observer position at spacing:											
S =		1.0H					2.5 / -8.2				
		1.5H					5.0 / -14.9				
		2.0H					7.0 / -28.7				