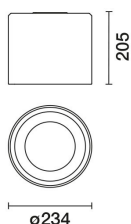


Last information update: February 2025

Product configuration: QU49

QU49: Ø 234 mm - warm white - dali

**Product code**

QU49: Ø 234 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)

1.76

Mounting

ceiling surface

Wiring

product complete with dali components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	4500	Colour temperature [K]:	3000
W system:	36.7	MacAdam Step:	2
lm source:	5000	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	32	Lamp code:	LED
Luminous efficiency (lm/W, real value):	122.6	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		

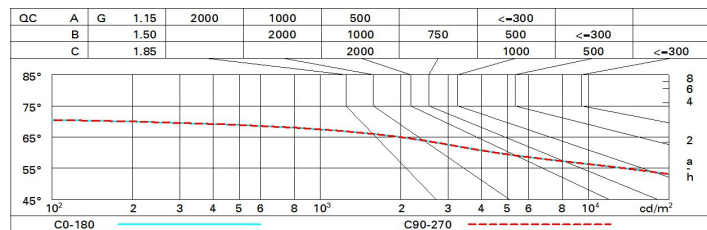
Polar

Imax=2846 cd		CIE		Lux			
				h	d	Em	E _{max}
		nL 0.90 79-99-100-100-90 UGR 21.4-21.4 DIN A.61 UTE 0.90B+0.00T F*1=792 F*1+F*2=994 F*1+F*2+F*3=1000 CIBSE LG3 L<3000 cd/m² at 65°		2	3.2	525	708
				4	6.5	131	177
				6	9.7	58	79
				8	13	33	44

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	66	62	58	65	61	61	57	63
1.0	78	72	68	65	71	67	67	63	70
1.5	85	80	77	74	79	76	75	72	80
2.0	88	85	83	80	84	82	80	77	86
2.5	90	88	86	84	87	85	84	80	89
3.0	92	90	88	87	88	87	86	83	92
4.0	93	92	90	89	90	89	88	85	94
5.0	94	93	92	91	91	90	89	86	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	22.0	22.8	22.3	23.0	23.3	22.0	22.8	22.3	23.0	23.3
	3H	21.8	22.5	22.2	22.8	23.1	21.9	22.6	22.2	22.9	23.2
	4H	21.8	22.4	22.1	22.7	23.0	21.8	22.5	22.1	22.8	23.1
	6H	21.7	22.3	22.0	22.6	22.9	21.7	22.3	22.1	22.6	23.0
	8H	21.6	22.2	22.0	22.6	22.9	21.7	22.3	22.1	22.6	22.9
	12H	21.6	22.2	22.0	22.5	22.9	21.6	22.2	22.0	22.5	22.9
4H	2H	21.8	22.5	22.1	22.8	23.1	21.8	22.4	22.1	22.7	23.0
	3H	21.7	22.2	22.0	22.6	22.9	21.7	22.2	22.0	22.5	22.9
	4H	21.6	22.1	22.0	22.4	22.8	21.6	22.1	22.0	22.4	22.8
	6H	21.5	21.9	21.9	22.3	22.7	21.5	21.9	21.9	22.3	22.7
	8H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	12H	21.4	21.7	21.8	22.2	22.6	21.4	21.7	21.8	22.2	22.6
8H	4H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	6H	21.3	21.7	21.8	22.1	22.6	21.3	21.7	21.8	22.1	22.6
	8H	21.3	21.6	21.8	22.0	22.5	21.3	21.6	21.8	22.0	22.5
	12H	21.2	21.5	21.8	22.0	22.5	21.2	21.5	21.8	22.0	22.5
12H	4H	21.4	21.7	21.8	22.2	22.6	21.4	21.7	21.8	22.2	22.6
	6H	21.3	21.6	21.8	22.0	22.5	21.3	21.6	21.8	22.0	22.5
	8H	21.2	21.5	21.8	22.0	22.5	21.2	21.5	21.8	22.0	22.5
Variations with the observer position at spacing:											
S =	1.0H	1.6 / -5.3					1.6 / -5.3				
	1.5H	3.4 / -13.7					3.4 / -13.7				
	2.0H	5.4 / -22.1					5.4 / -22.1				