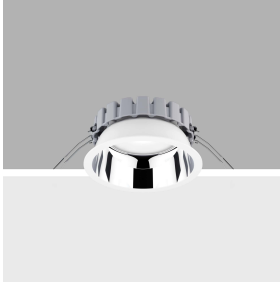


Last information update: April 2025

Product configuration: QF84.39

QF84.39: Ø 163 mm - warm white - DALI - UGR<19 - 16.9W 2150lm - 3000K - White / Aluminium

**Product code**

QF84.39: Ø 163 mm - warm white - DALI - UGR<19 - 16.9W 2150lm - 3000K - White / Aluminium

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). Light beam with UGR<19 L<3000 cd/m² ideal for environments with video terminals.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Weight (Kg)

0.68

Mounting

ceiling surface

Wiring

product complete with DALI components

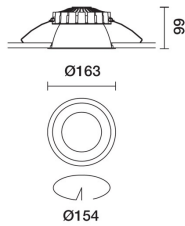
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

lm system:	2150	Colour temperature [K]:	3000
W system:	16.9	MacAdam Step:	2
lm source:	2500	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	14	Lamp code:	LED
Luminous efficiency (lm/W, real value):	127.2	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.) [%]:	86	Control:	DALI-2
CRI (minimum):	80		

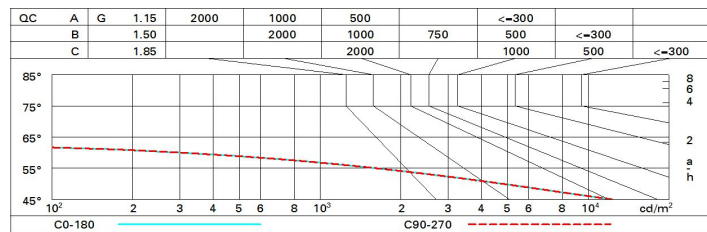
Polar

Imax=3021 cd		CIE		Lux			
				h	d	Em	Emax
90°		nL 0.86		2	1.7	589	755
		95-100-100-100-86		4	3.5	147	189
		UGR 16.5-16.5		6	5.2	65	84
		DIN A.61		8	6.9	37	47
		UTE 0.86A+0.00T					
		F*1=951					
		F*1.4F*2=1000					
		F*1.4F*2+F*3=1000					
		CIBSE LG3 L<1500 cd/m ² at 65°					
		UGR<19 L<1500 cd/mq @65°					
α=47°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	71	68	66	71	68	67	64	75
1.0	79	76	73	70	75	72	72	69	80
1.5	84	81	79	77	80	78	77	74	87
2.0	87	85	83	81	84	82	81	79	91
2.5	89	87	86	84	86	84	84	81	94
3.0	90	89	88	87	87	86	85	83	96
4.0	91	90	89	89	88	88	87	84	98
5.0	91	91	90	90	89	89	87	85	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2500 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	17.1	17.7	17.3	17.9	18.2	17.1	17.7	17.3	17.9	18.2
	3H	16.9	17.5	17.2	17.8	18.1	16.9	17.5	17.2	17.8	18.1
	4H	16.8	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	6H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	8H	16.7	17.2	17.1	17.5	17.9	16.7	17.2	17.1	17.5	17.9
	12H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
4H	2H	16.9	17.4	17.2	17.7	18.0	16.8	17.4	17.2	17.7	18.0
	3H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
	4H	16.6	17.0	17.0	17.4	17.8	16.6	17.0	17.0	17.4	17.8
	6H	16.5	16.9	16.9	17.3	17.7	16.5	16.9	16.9	17.3	17.7
	8H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
8H	4H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	6H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	8H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	12H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
Variations with the observer position at spacing:											
S =	1.0H	4.2 / -15.1					4.2 / -15.1				
	1.5H	7.0 / -37.3					7.0 / -37.3				
	2.0H	9.0 / -38.6					9.0 / -38.6				