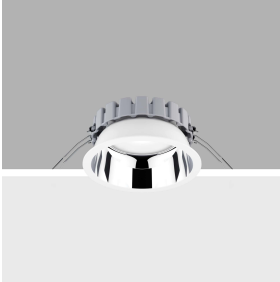


Last information update: April 2025

Product configuration: QF83.39

QF83.39: Ø 163 mm - neutral white - DALI - UGR<19 - 16.9W 2021lm - 4000K - CRI 90 - White / Aluminium



Product code

QF83.39: Ø 163 mm - neutral white - DALI - UGR<19 - 16.9W 2021lm - 4000K - CRI 90 - 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 neutral white colour tone (4000K). 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

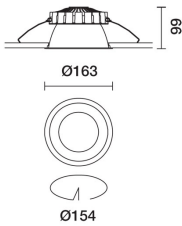
Mounting

ceiling surface

Wiring

product complete with DALI components

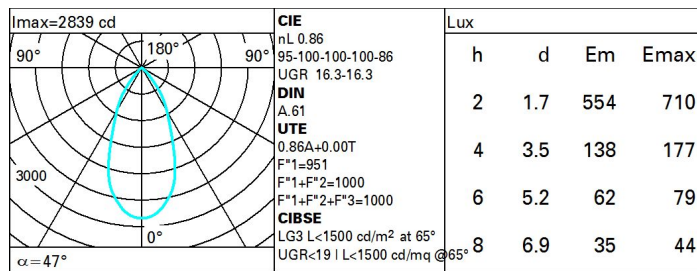
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	2021	Colour temperature [K]:	4000
W system:	16.9	MacAdam Step:	2
lm source:	2350	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	14	Lamp code:	LED
Luminous efficiency (lm/W, real value):	119.6	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.) [%]:	86	Control:	DALI-2
CRI (minimum):	90		

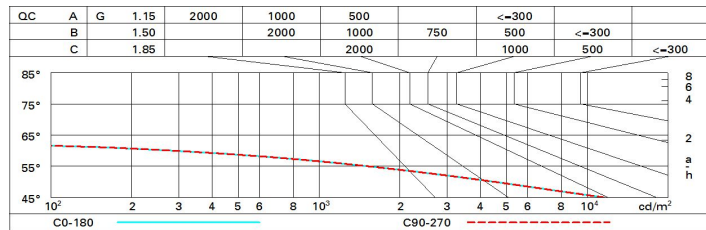
Polar



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 2350 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	10.8	17.5	17.1	17.7	18.0	10.8	17.5	17.1	17.7	18.0
	3H	10.7	17.3	17.0	17.6	17.8	10.7	17.3	17.0	17.6	17.8
	4H	10.6	17.2	17.0	17.5	17.8	10.6	17.2	17.0	17.5	17.8
	6H	10.6	17.0	16.9	17.4	17.7	10.6	17.1	16.9	17.4	17.7
	8H	10.5	17.0	16.9	17.3	17.7	10.5	17.0	16.9	17.3	17.7
12H	10.5	16.9	16.9	17.3	17.6	10.5	16.9	16.9	17.3	17.6	
4H	2H	10.6	17.2	17.0	17.5	17.8	10.6	17.2	17.0	17.5	17.8
	3H	10.5	16.9	16.9	17.3	17.6	10.5	16.9	16.9	17.3	17.6
	4H	10.4	16.8	16.8	17.2	17.5	10.4	16.8	16.8	17.2	17.5
	6H	10.3	16.7	16.7	17.1	17.5	10.3	16.7	16.7	17.1	17.5
	8H	10.3	16.6	16.7	17.0	17.4	10.3	16.6	16.7	17.0	17.4
12H	10.2	16.5	16.7	16.9	17.4	10.2	16.5	16.7	16.9	17.4	
8H	4H	10.3	16.6	16.7	17.0	17.4	10.3	16.6	16.7	17.0	17.4
	6H	10.2	16.4	16.6	16.9	17.4	10.2	16.4	16.6	16.9	17.4
	8H	10.1	16.3	16.6	16.8	17.3	10.1	16.3	16.6	16.8	17.3
	12H	10.1	16.3	16.6	16.7	17.3	10.1	16.3	16.6	16.7	17.3
12H	4H	10.2	16.5	16.7	16.9	17.4	10.2	16.5	16.7	16.9	17.4
	6H	10.1	16.3	16.6	16.8	17.3	10.1	16.3	16.6	16.8	17.3
	8H	10.1	16.3	16.6	16.7	17.3	10.1	16.3	16.6	16.7	17.3
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					