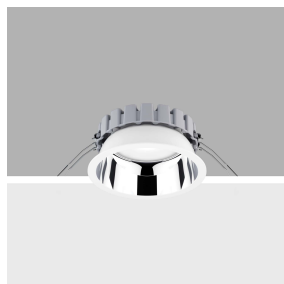


Last information update: April 2025

Product configuration: QF93.39

QF93.39: Ø 163 mm - neutral white - INVERTER - UGR<19 - 29.4W 2795lm - 4000K - CRI 90 - White / Aluminium

**Product code**

QF93.39: Ø 163 mm - neutral white - INVERTER - UGR<19 - 29.4W 2795lm - 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. Luminaire complete with inverter for safety light.

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)

1.13

Mounting

ceiling surface

Wiring

product complete with INVERTER

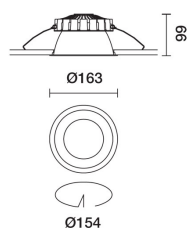
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

Im system:	2795	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	29.4	Lamp code:	LED
Im source:	3250	Number of lamps for optical assembly:	1
W source:	21	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	95.1	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	19.4 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	86	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	On/off
MacAdam Step:	2		

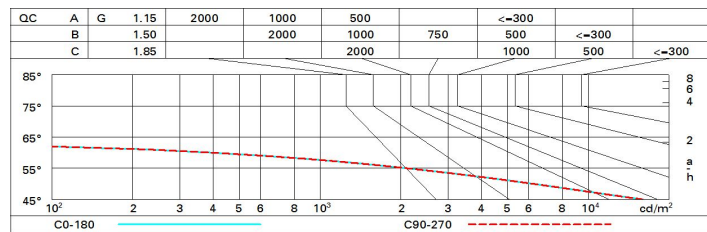
Polar

	Imax=3927 cd	CIE nL 0.86 95-100-100-100-86 UGR 17.4-17.4 DIN A.61 UTE 0.86A+0.00T F*1=951 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @65°	Lux			
			h	d	Em	E _{max}
			2	1.7	766	982
			4	3.5	192	245
			6	5.2	85	109
	α=47°		8	6.9	48	61

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 3250 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	18.0	18.6	18.3	18.9	19.1	18.0	18.6	18.3	18.9	19.1
	3H	17.8	18.4	18.1	18.7	19.0	17.8	18.4	18.2	18.7	19.0
	4H	17.8	18.3	18.1	18.6	18.9	17.8	18.3	18.1	18.6	18.9
	6H	17.7	18.2	18.0	18.5	18.8	17.7	18.2	18.0	18.5	18.8
	8H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.5	18.8
	12H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.4	18.8
4H	2H	17.8	18.3	18.1	18.6	18.9	17.8	18.3	18.1	18.6	18.9
	3H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.4	18.8
	4H	17.5	17.9	17.9	18.3	18.7	17.5	17.9	17.9	18.3	18.7
	6H	17.4	17.8	17.9	18.2	18.6	17.4	17.8	17.9	18.2	18.6
	8H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.1	18.6
	12H	17.3	17.6	17.8	18.1	18.5	17.3	17.6	17.8	18.1	18.5
8H	4H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.1	18.6
	6H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0	18.5
	8H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	12H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
12H	4H	17.3	17.6	17.8	18.1	18.5	17.3	17.6	17.8	18.1	18.5
	6H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9	18.4
	8H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
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				