Easy

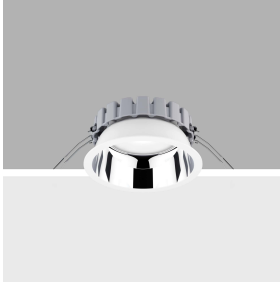**Design iGuzzini**   **iGuzzini**

Last information update: August 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	Weight (Kg)
White / Aluminium (39)	0.68

Mounting
ceiling surface

Wiring
product complete with DALI components

Ø163   66

Ø154

Complies with EN60598-1 and pertinent regulations

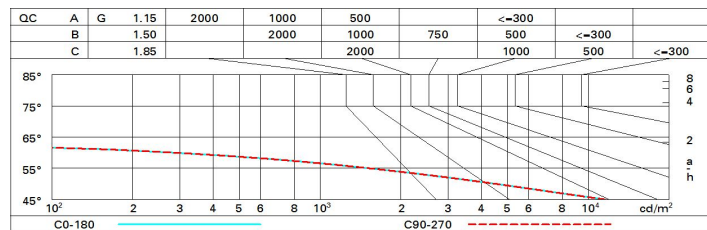IP20   IP54   On the visible part of the product once installed   CE   03   CCC S&E   EAC   QCERT   NOM

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

Imax=2839 cd

α=47°

CIE
nL 0.86
95-100-100-100-86
UGR 16.3-16.3
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/m² at 65°
UGR<19 l L<1500 cd/mq @65°

h	d	Em	Emax
2	1.7	554	710
4	3.5	138	177
6	5.2	62	79
8	6.9	35	44
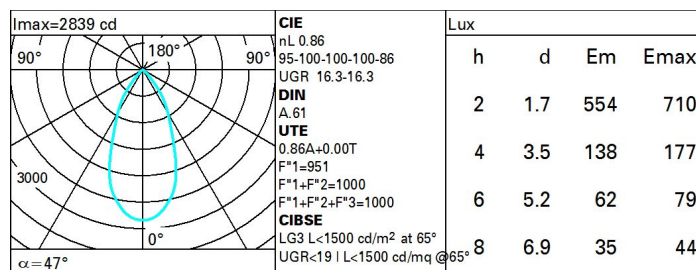
Utilisation factors

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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180   C90-270

UGR diagram

Corrected UGR values (at 2350 lm bare lamp luminous flux)

Riflect.:											
ceil/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				viewed					viewed		
x	y			crosswise					endwise		
2H	2H	16.8	17.5	17.1	17.7	18.0	16.8	17.5	17.1	17.7	18.0
	3H	16.7	17.3	17.0	17.6	17.8	16.7	17.3	17.0	17.6	17.8
	4H	16.6	17.2	17.0	17.5	17.8	16.6	17.2	17.0	17.5	17.8
	6H	16.6	17.0	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
	8H	16.5	17.0	16.9	17.3	17.7	16.5	17.0	16.9	17.3	17.7
	12H	16.5	16.9	16.9	17.3	17.6	16.5	16.9	16.9	17.3	17.6
4H	2H	16.6	17.2	17.0	17.5	17.8	16.6	17.2	17.0	17.5	17.8
	3H	16.5	16.9	16.9	17.3	17.6	16.5	16.9	16.9	17.3	17.6
	4H	16.4	16.8	16.8	17.2	17.5	16.4	16.8	16.8	17.2	17.5
	6H	16.3	16.7	16.7	17.1	17.5	16.3	16.7	16.7	17.1	17.5
	8H	16.3	16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	12H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
8H	4H	16.3	16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	6H	16.2	16.4	16.6	16.9	17.4	16.2	16.4	16.6	16.9	17.4
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	12H	16.1	16.3	16.6	16.7	17.3	16.1	16.3	16.6	16.7	17.3
12H	4H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	6H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	8H	16.1	16.3	16.6	16.7	17.3	16.1	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