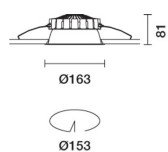


Last information update: March 2025

Product configuration: QW12.F6

QW12.F6: Ø 163 mm - neutral white - DALI - UGR<19 - 24.4W 2822lm - 4000K - White/Transparent/Chrome

**Product code**

QW12.F6: Ø 163 mm - neutral white - DALI - UGR<19 - 24.4W 2822lm - 4000K - White/Transparent/Chrome

Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Prismatic thermoplastic reflector complete with flux enhancer and anti-glare screen located at the centre of the optic. The anti-glare screen is made of thermoplastic vacuum-metallised with aluminium vapours finished with a protective anti-scratch layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in neutral white colour tone (4000K). Light emission 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 25 mm.

Colour

White/Transparent/Chrome (F6)

Weight (Kg)

0.76

Mounting

ceiling surface

Wiring

product complete with DALI components

Notes

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2822	Colour temperature [K]:	4000
W system:	24.4	MacAdam Step:	2
lm source:	3400	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	21	Lamp code:	LED
Luminous efficiency (lm/W, real value):	115.7	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.) [%]:	83	Control:	DALI-2
CRI (minimum):	80		

Polar

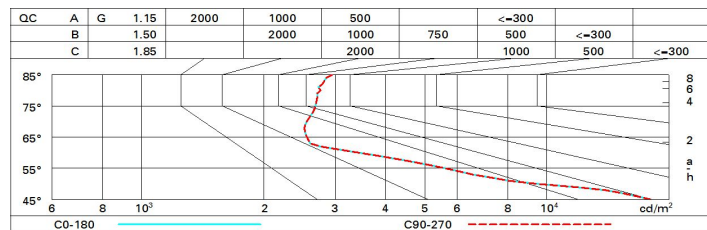
	Imax=3190 cd		CIE		Lux			
	90°	180°	90°	nL 0.83	h	d	Em	Emax
				90-98-100-100-83	2	2.1	614	797
				UGR 17.3-17.1	4	4.2	153	199
				DIN	6	6.3	68	89
				A.61	8	8.4	38	50
				UTE				
				0.83A+0.00T				
				F*1=903				
				F*1+F*2=984				
				F*1+F*2+F*3=996				
				CIBSE				

LG3 L<3000 cd/m² at 65°				
UGR<19 L<3000 cd/mq @65°				
α=55°				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	66	63	61	66	63	62	59	71
1.0	75	71	68	65	70	67	67	64	77
1.5	80	77	74	72	76	73	73	70	84
2.0	83	81	79	77	79	78	77	74	89
2.5	85	83	81	80	82	80	79	77	92
3.0	86	85	83	82	83	82	81	79	95
4.0	87	86	85	84	85	84	83	80	97
5.0	88	87	86	86	85	85	83	81	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 3400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav 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	17.3	18.0	17.6	18.2	18.5	17.3	18.0	17.6	18.2	18.5
	3H	17.3	17.9	17.6	18.2	18.4	17.2	17.8	17.5	18.1	18.4
	4H	17.3	17.9	17.6	18.1	18.5	17.2	17.7	17.5	18.0	18.3
	6H	17.3	17.8	17.6	18.1	18.5	17.1	17.6	17.4	17.9	18.3
	8H	17.3	17.8	17.6	18.1	18.5	17.1	17.6	17.4	17.9	18.2
	12H	17.3	17.8	17.7	18.1	18.5	17.0	17.5	17.4	17.9	18.2
4H	2H	17.2	17.7	17.5	18.0	18.3	17.3	17.9	17.6	18.1	18.5
	3H	17.2	17.7	17.5	18.0	18.4	17.2	17.7	17.6	18.1	18.4
	4H	17.2	17.6	17.6	18.0	18.4	17.2	17.6	17.6	18.0	18.4
	6H	17.3	17.6	17.7	18.0	18.5	17.2	17.6	17.6	17.9	18.4
	8H	17.3	17.6	17.7	18.1	18.5	17.1	17.5	17.6	17.9	18.3
	12H	17.3	17.6	17.8	18.1	18.5	17.1	17.4	17.6	17.9	18.3
8H	4H	17.1	17.5	17.6	17.9	18.3	17.3	17.6	17.7	18.1	18.5
	6H	17.3	17.5	17.7	18.0	18.5	17.3	17.6	17.8	18.0	18.5
	8H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0	18.5
	12H	17.4	17.6	17.9	18.1	18.6	17.3	17.5	17.8	18.0	18.5
12H	4H	17.1	17.4	17.6	17.9	18.3	17.3	17.6	17.8	18.1	18.5
	6H	17.2	17.5	17.7	17.9	18.4	17.3	17.6	17.8	18.1	18.6
	8H	17.3	17.5	17.8	18.0	18.5	17.4	17.6	17.9	18.1	18.6
Variations with the observer position at spacing:											
S =	1.0H	3.1 / -3.7					3.1 / -3.7				
	1.5H	5.5 / -4.8					5.5 / -4.8				
	2.0H	7.4 / -5.0					7.4 / -5.0				