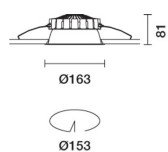


Last information update: April 2025

**Product configuration: QW16.F6**

QW16.F6: Ø 163 mm - warm white - DALI - UGR&lt;19 - 24.4W 2822lm - 3000K - White/Transparent/Chrome

**Product code**

QW16.F6: Ø 163 mm - warm white - DALI - UGR&lt;19 - 24.4W 2822lm - 3000K - 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 warm white colour tone (3000K). Light emission UGR<19 L<3000 cd/m<sup>2</sup> 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]:	3000
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		

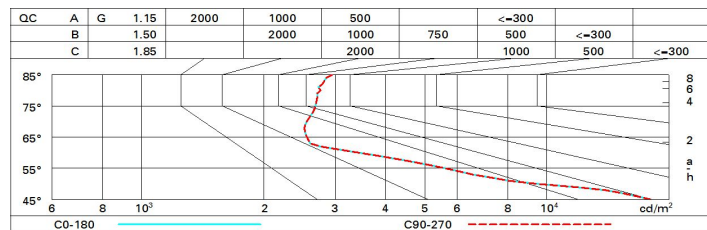
**Polar**

	<b>CIE</b> nL 0.83 90-98-100-100-83 UGR 17.3-17.1				<b>Lux</b>			
	<b>DIN</b> A.61				h	d	Em	E <sub>max</sub>
	<b>UTE</b> 0.83A+0.00T F*1=903 F*1+F*2=984 F*1+F*2+F*3=996				2	2.1	614	797
	<b>CIBSE</b> LG3 L<3000 cd/m <sup>2</sup> at 65° UGR<19   L<3000 cd/mq @ 65°				4	4.2	153	199
					6	6.3	68	89
					8	8.4	38	50

# 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				