

Last information update: April 2025

**Product configuration: RM18.F6**

RM18.F6: Ø 225 mm - warm white - DALI - UGR&lt;19 - 35.3W 3870lm - 3500K - CRI 90 - White/Transparent/Chrome

**Product code**

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**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 (3500K). 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)**

1.15

**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



IP20

IP54

On the visible part of the product once installed

**Technical data**

Im system:	3870	Colour temperature [K]:	3500
W system:	35.3	MacAdam Step:	2
Im source:	4500	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	32	Lamp code:	LED
Luminous efficiency (Im/W, real value):	109.6	Number of lamps for optical assembly:	1
Im 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		

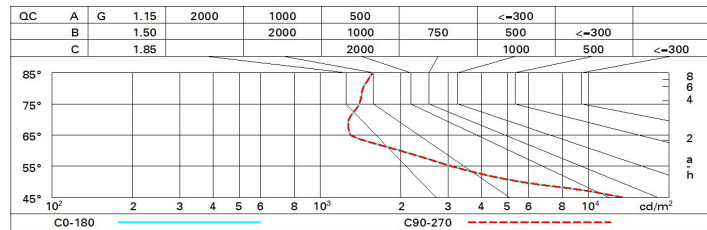
**Polar**

	<b>CIE</b>				<b>Lux</b>			
	nL 0.86				h	d	Em	Emax
	91-99-100-100-86				2	2.6	669	849
	UGR 16.7-16.6				4	5.1	167	212
	<b>DIN</b> A.61 <b>UTE</b> 0.86A+0.00T F*1=910 F*1+F*2=988 F*1+F*2+F*3=997 <b>CIBSE</b> LG3 L<3000 cd/m <sup>2</sup> at 65° UGR<19   L<3000 cd/mq @65°				6	7.7	74	94
α=65°					8	10.2	42	53

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	69	66	63	68	65	65	62	72
1.0	78	74	71	68	73	70	70	66	77
1.5	83	80	77	75	79	76	76	73	84
2.0	86	84	82	80	82	81	80	77	90
2.5	88	86	85	83	85	83	82	80	93
3.0	89	88	86	85	86	85	84	82	95
4.0	90	89	88	88	88	87	86	83	97
5.0	91	90	89	89	89	88	87	84	98

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 4500 lm bare lamp luminous flux)											
Riflect.: ceil/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	17.0	17.7	17.3	17.9	18.2	17.0	17.7	17.3	17.9	18.2
	3H	16.9	17.5	17.3	17.8	18.1	16.9	17.5	17.2	17.8	18.1
	4H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	6H	16.9	17.4	17.2	17.7	18.0	16.8	17.3	17.1	17.6	17.9
	8H	16.8	17.3	17.2	17.6	18.0	16.7	17.2	17.1	17.6	17.9
	12H	16.8	17.3	17.2	17.6	18.0	16.7	17.2	17.1	17.5	17.9
4H	2H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	3H	16.8	17.2	17.1	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	4H	16.7	17.1	17.1	17.5	17.9	16.7	17.1	17.1	17.5	17.9
	6H	16.7	17.1	17.1	17.5	17.9	16.7	17.0	17.1	17.4	17.8
	8H	16.7	17.0	17.1	17.4	17.9	16.6	17.0	17.1	17.4	17.8
	12H	16.7	17.0	17.1	17.4	17.9	16.6	16.9	17.0	17.3	17.8
8H	4H	16.6	17.0	17.1	17.4	17.8	16.7	17.0	17.1	17.4	17.9
	6H	16.6	16.9	17.1	17.3	17.8	16.7	16.9	17.1	17.4	17.8
	8H	16.6	16.9	17.1	17.3	17.8	16.6	16.9	17.1	17.3	17.8
	12H	16.6	16.8	17.1	17.3	17.8	16.6	16.8	17.1	17.3	17.8
12H	4H	16.6	16.9	17.0	17.3	17.8	16.7	17.0	17.1	17.4	17.9
	6H	16.6	16.8	17.1	17.3	17.8	16.6	16.9	17.1	17.3	17.8
	8H	16.6	16.8	17.1	17.3	17.8	16.6	16.8	17.1	17.3	17.8
Variations with the observer position at spacing:											
S =	1.0H	3.6 / -0.0					3.6 / -6.0				
	1.5H	6.2 / -7.2					6.2 / -7.2				
	2.0H	8.2 / -7.6					8.2 / -7.6				