

Last information update: April 2025

Product configuration: RM03.83

RM03.83: Ø 163 mm - warm white - DALI - 24.4W 2775.5lm - 3500K - CRI 90 - Black Transparent

**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. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in warm white colour tone (3500K). General lighting beam.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.

Colour

Black Transparent (83)

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



IP20

IP54

On the visible part of the product once installed



pending

Technical data

lm system:	2562	Colour temperature [K]:	3500
W system:	24.4	MacAdam Step:	2
lm source:	3050	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	21	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105	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.) [%]:	84	Control:	DALI-2
CRI (minimum):	90		

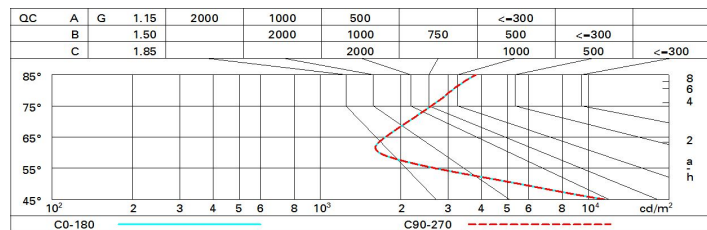
Polar

	CIE nL 0.84 83-99-99-100-84 UGR 17.2-17.0 DIN A.61 UTE 0.84A+0.00T F*1=929 F*1+F*2=985 F*1+F*2+F*3=995			
	h	d	Em	Emax
	2	2.1	555	728
	4	4.2	139	182
	6	6.3	62	81
	8	8.5	35	46

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	65	63	68	65	64	61	73
1.0	77	73	70	68	72	69	69	66	78
1.5	81	78	76	74	77	75	74	72	85
2.0	84	82	80	79	81	79	78	76	90
2.5	86	84	83	82	83	82	81	78	93
3.0	87	86	85	84	84	84	82	80	95
4.0	88	87	87	86	86	85	84	82	97
5.0	89	88	88	87	87	86	85	83	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 3050 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20
viewed crosswise						viewed endwise					
2H	2H	17.2	17.9	17.5	18.1	18.4	17.2	17.9	17.5	18.1	18.4
	3H	17.1	17.8	17.4	18.0	18.3	17.1	17.7	17.4	18.0	18.3
	4H	17.1	17.7	17.5	18.0	18.3	17.0	17.6	17.3	17.9	18.2
	6H	17.2	17.7	17.5	18.0	18.4	16.9	17.5	17.3	17.8	18.1
	8H	17.2	17.7	17.6	18.0	18.4	16.9	17.4	17.3	17.7	18.1
	12H	17.2	17.7	17.6	18.1	18.4	16.9	17.4	17.2	17.7	18.1
4H	2H	17.0	17.6	17.3	17.9	18.2	17.1	17.7	17.5	18.0	18.3
	3H	17.0	17.5	17.4	17.8	18.2	17.1	17.6	17.4	17.9	18.2
	4H	17.0	17.5	17.4	17.8	18.2	17.0	17.5	17.4	17.8	18.2
	6H	17.1	17.5	17.6	17.9	18.3	17.0	17.4	17.4	17.8	18.2
	8H	17.2	17.6	17.6	18.0	18.4	17.0	17.3	17.4	17.7	18.2
	12H	17.3	17.6	17.7	18.0	18.5	16.9	17.3	17.4	17.7	18.2
8H	4H	17.0	17.3	17.4	17.7	18.2	17.2	17.6	17.6	18.0	18.4
	6H	17.2	17.5	17.6	17.9	18.4	17.3	17.5	17.7	18.0	18.5
	8H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
	12H	17.4	17.6	17.9	18.1	18.7	17.3	17.5	17.8	18.0	18.5
12H	4H	16.9	17.3	17.4	17.7	18.2	17.3	17.6	17.7	18.0	18.5
	6H	17.2	17.4	17.6	17.9	18.4	17.4	17.6	17.9	18.1	18.6
	8H	17.3	17.5	17.8	18.0	18.5	17.4	17.6	17.9	18.1	18.7
Variations with the observer position at spacing:											
S =	1.0H	3.4 / -4.1				3.4 / -4.1					
	1.5H	6.0 / -4.4				6.0 / -4.4					
	2.0H	7.9 / -4.5				7.9 / -4.5					