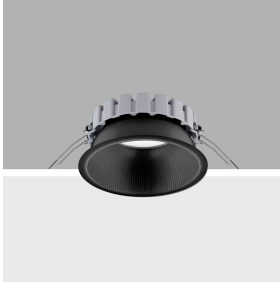


Last information update: April 2025

**Product configuration: RM02.83**

RM02.83: Ø 163 mm - warm white - DALI - 16.8W 2002lm - 3500K - CRI 90 - Black Transparent

**Product code**

RM02.83: Ø 163 mm - warm white - DALI - 16.8W 2002lm - 3500K - CRI 90 - Black Transparent

**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**

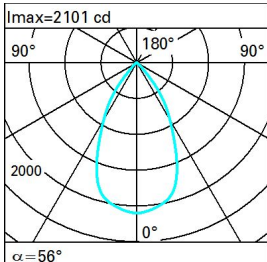
TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1848	Colour temperature [K]:	3500
W system:	16.8	MacAdam Step:	2
lm source:	2200	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	15	Lamp code:	LED
Luminous efficiency (lm/W, real value):	110	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**

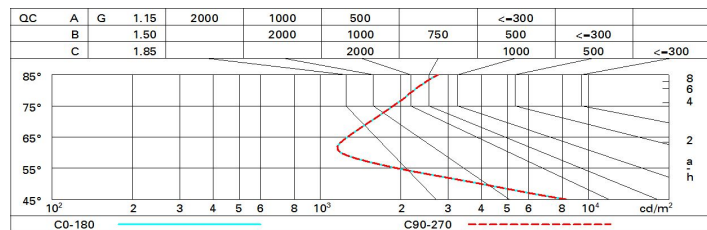
	Lux			
	h	d	Em	Emax
	2	2.1	400	525
	4	4.2	100	131
	6	6.3	44	58
α = 56°	8	8.5	25	33

**CIE**  
nL 0.84  
93-99-99-100-84  
UGR 16.1-15.8  
**DIN**  
A.61  
**UTE**  
0.84A+0.00T  
F\*1=929  
F\*1+F\*2=985  
F\*1+F\*2+F\*3=995  
**CIBSE**  
LG3 L<3000 cd/m² at 65°  
UGR<19 | L<3000 cd/mq @65°

# 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 2200 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	10.1	10.8	10.3	17.0	17.2	10.1	10.8	10.3	17.0	17.2
	3H	10.0	10.6	10.3	10.9	17.2	15.9	10.6	10.3	10.8	17.1
	4H	10.0	10.6	10.3	10.9	17.2	15.9	10.5	10.2	10.7	17.1
	6H	10.0	10.6	10.4	10.9	17.2	15.8	10.3	10.2	10.7	17.0
	8H	10.1	10.6	10.4	10.9	17.3	15.8	10.3	10.1	10.6	17.0
	12H	10.1	10.6	10.5	10.9	17.3	15.7	10.2	10.1	10.6	10.9
4H	2H	15.9	10.5	10.2	10.7	17.1	10.0	10.6	10.3	10.9	17.2
	3H	15.8	10.3	10.2	10.7	17.0	15.9	10.4	10.3	10.8	17.1
	4H	15.9	10.3	10.3	10.7	17.1	15.9	10.3	10.3	10.7	17.1
	6H	10.0	10.4	10.4	10.8	17.2	15.9	10.2	10.3	10.6	17.1
	8H	10.1	10.4	10.5	10.8	17.3	15.8	10.2	10.3	10.6	17.0
	12H	10.1	10.5	10.6	10.9	17.3	15.8	10.1	10.3	10.6	17.0
8H	4H	15.8	10.2	10.3	10.6	17.0	10.1	10.4	10.5	10.8	17.3
	6H	10.0	10.3	10.5	10.8	17.2	10.1	10.4	10.6	10.9	17.3
	8H	10.2	10.4	10.6	10.9	17.4	10.2	10.4	10.6	10.9	17.4
	12H	10.3	10.5	10.8	17.0	17.5	10.2	10.4	10.7	10.9	17.4
12H	4H	15.8	10.1	10.3	10.6	17.0	10.1	10.5	10.6	10.9	17.3
	6H	10.0	10.3	10.5	10.7	17.2	10.2	10.5	10.7	10.9	17.4
	8H	10.2	10.4	10.7	10.9	17.4	10.3	10.5	10.8	17.0	17.5
Variations with the observer position at spacing:											
S =		1.0H					3.4 / -4.1				
		1.5H					6.0 / -4.4				
		2.0H					7.9 / -4.5				