

Last information update: March 2025

Product configuration: R482.83

R482.83: Ø 212 - 4000K - CRI90 - UGR<19 - DALI - Black Transparent

**Product code**

R482.83: Ø 212 - 4000K - CRI90 - UGR<19 - DALI - 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. Optic available with two finishes, clear white or clear black. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in neutral white colour tone (4000K) and microfilm that is able to guarantee a light beam of UGR<19 L<3000 cd/m², which is 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

Black Transparent (83)

Weight (Kg)

1.03

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:	2279	Colour temperature [K]:	4000
W system:	20.1	MacAdam Step:	2
Im source:	2650	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	17	Lamp code:	LED
Luminous efficiency (Im/W, real value):	113.4	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		

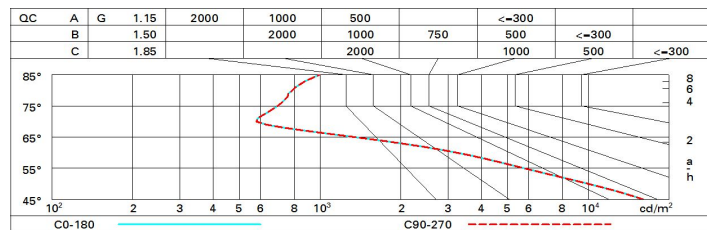
Polar

Imax=1580 cd		CIE		Lux	
90°		nL 0.86		h	
180°		80-98-100-100-86		d	
90°		UGR 17.9-17.9		Em	
1500		DIN		Emax	
0°		A.61		1	1.5 1139 1580
α = 75°		UTE		2	3.1 285 395
		0.86B+0.00T		3	4.6 127 176
		F*1=804		4	6.2 71 99
		F*1+F*2=983			
		F*1+F*2+F*3=997			
		CIBSE			
		LG3 L<1500 cd/m ² at 65°			
		UGR<19 L<1500 cd/mq @65°			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	64	60	57	63	59	59	55	64
1.0	75	69	65	62	68	65	64	60	70
1.5	81	77	74	71	76	73	72	69	80
2.0	84	81	79	77	80	78	77	74	86
2.5	86	84	82	80	83	81	80	77	89
3.0	88	86	84	83	84	83	82	79	92
4.0	89	88	86	85	86	85	84	81	94
5.0	90	89	88	87	87	86	85	82	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling/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	18.3	19.1	18.6	19.4	19.6	18.3	19.1	18.6	19.4	19.6
	3H	18.2	18.9	18.5	19.2	19.5	18.3	19.0	18.6	19.3	19.6
	4H	18.2	18.8	18.5	19.1	19.4	18.2	18.9	18.6	19.2	19.5
	6H	18.1	18.7	18.4	19.0	19.3	18.1	18.7	18.5	19.1	19.4
	8H	18.1	18.6	18.4	19.0	19.3	18.1	18.7	18.5	19.0	19.4
	12H	18.0	18.6	18.4	18.9	19.3	18.1	18.6	18.4	19.0	19.3
4H	2H	18.2	18.9	18.6	19.2	19.5	18.2	18.8	18.5	19.1	19.4
	3H	18.1	18.6	18.5	19.0	19.3	18.1	18.6	18.5	19.0	19.3
	4H	18.0	18.5	18.4	18.9	19.3	18.0	18.5	18.4	18.9	19.3
	6H	17.9	18.4	18.4	18.8	19.2	17.9	18.4	18.4	18.8	19.2
	8H	17.9	18.3	18.4	18.7	19.2	17.9	18.3	18.3	18.7	19.1
	12H	17.9	18.2	18.3	18.7	19.1	17.8	18.2	18.3	18.6	19.1
8H	4H	17.9	18.3	18.3	18.7	19.1	17.9	18.3	18.4	18.7	19.2
	6H	17.8	18.2	18.3	18.6	19.1	17.8	18.2	18.3	18.6	19.1
	8H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	12H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
12H	4H	17.8	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.7	19.1
	6H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.6	19.1
	8H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
Variations with the observer position at spacing:											
S =	1.0H	1.8 / -4.0					1.8 / -4.0				
	1.5H	3.6 / -7.9					3.6 / -7.9				
	2.0H	5.5 / -10.9					5.5 / -10.9				