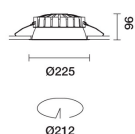


Last information update: December 2024

Product configuration: R485.D8

R485.D8: Ø 212 - 3000K - CRI80 - UGR<19 - INVERTER - White / transparent

**Product code**

R485.D8: Ø 212 - 3000K - CRI80 - UGR<19 - INVERTER - White / 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 warm white colour tone (3000K) 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. Luminaire complete with inverter for safety light.

Installation

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

Colour

White Transparent (D8)

Weight (Kg)

1.68

Mounting

ceiling surface

Wiring

Product complete with INVERTER for safety light.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2537	Colour temperature [K]:	3000
W system:	24.1	MacAdam Step:	2
lm source:	2850	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	17	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.2	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.) [%]:	89	Control:	On/off
CRI (minimum):	80		

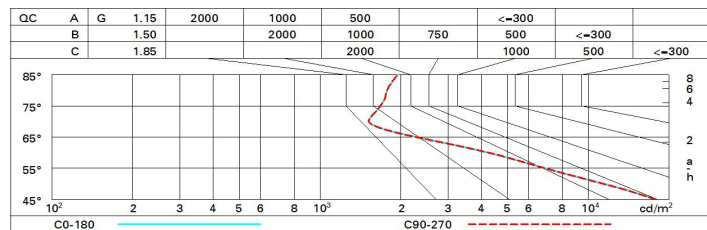
Polar

Imax=1722 cd		CIE nL 0.89 79-97-99-100-89 UGR 18.6-18.5 DIN A.61 UTE 0.89B+0.00T F*1=790 F*1+F*2=973 F*1+F*2+F*3=994 CIBSE LG3 L<3000 cd/m ² at 65° UGR<19 L<3000 cd/mq @ 65°	Lux			
90°	180°		h	d	Em	E _{max}
			1	1.6	1243	1722
			2	3.1	311	430
			3	4.7	138	191
			4	6.2	78	108

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	65	61	58	64	60	60	56	63
1.0	77	71	67	64	70	66	66	62	69
1.5	83	79	76	73	78	75	74	70	79
2.0	87	84	81	79	82	80	79	76	85
2.5	89	87	84	83	85	83	82	79	89
3.0	91	89	87	85	87	85	84	81	91
4.0	92	90	89	88	89	88	86	83	94
5.0	93	92	90	89	90	89	87	85	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 2850 lm bare lamp luminous flux)											
Reflect.: ceiling 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	18.8	19.6	19.1	19.9	20.1	18.8	19.6	19.1	19.9	20.1
	3H	18.7	19.5	19.1	19.7	20.0	18.8	19.5	19.1	19.8	20.1
	4H	18.7	19.4	19.0	19.7	20.0	18.7	19.4	19.0	19.7	20.0
	6H	18.7	19.3	19.0	19.6	19.9	18.6	19.2	19.0	19.6	19.9
	8H	18.7	19.3	19.0	19.6	19.9	18.6	19.2	19.0	19.5	19.9
	12H	18.6	19.2	19.0	19.6	19.9	18.6	19.1	18.9	19.5	19.8
4H	2H	18.7	19.4	19.0	19.7	20.0	18.7	19.4	19.0	19.7	20.0
	3H	18.7	19.2	19.0	19.6	19.9	18.7	19.3	19.1	19.6	20.0
	4H	18.6	19.1	19.0	19.5	19.9	18.6	19.1	19.0	19.5	19.9
	6H	18.6	19.1	19.1	19.5	19.9	18.6	19.0	19.0	19.4	19.8
	8H	18.6	19.0	19.1	19.4	19.9	18.5	18.9	19.0	19.4	19.8
	12H	18.6	19.0	19.1	19.4	19.9	18.5	18.9	19.0	19.3	19.8
8H	4H	18.5	18.9	19.0	19.4	19.8	18.6	19.0	19.1	19.4	19.9
	6H	18.6	18.9	19.0	19.4	19.8	18.6	18.9	19.1	19.4	19.9
	8H	18.6	18.9	19.1	19.3	19.8	18.6	18.9	19.1	19.3	19.8
	12H	18.6	18.9	19.1	19.3	19.9	18.6	18.8	19.1	19.3	19.8
12H	4H	18.5	18.9	19.0	19.3	19.8	18.6	19.0	19.1	19.4	19.9
	6H	18.5	18.8	19.0	19.3	19.8	18.6	18.9	19.1	19.4	19.9
	8H	18.6	18.8	19.1	19.3	19.8	18.6	18.9	19.1	19.3	19.9
Variations with the observer position at spacing:											
S =	1.0H	1.6 / -3.0					1.6 / -3.0				
	1.5H	3.2 / -5.2					3.2 / -5.2				
	2.0H	5.0 / -6.5					5.0 / -6.5				