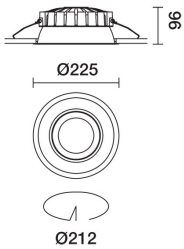
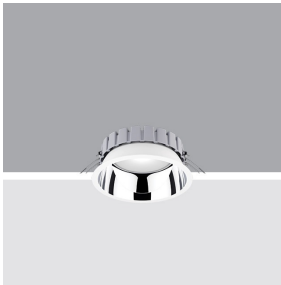


Last information update: February 2025

Product configuration: R460

R460: Ø 225 - 4000K - CRI80 - UGR<19



Product code

R460: Ø 225 - 4000K - CRI80 - UGR<19

Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. 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 20 mm.

Colour

White / Aluminium (39)

Weight (Kg)

1.03

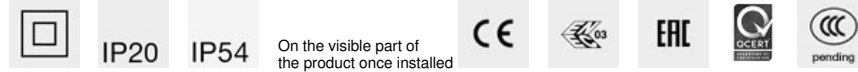
Mounting

ceiling surface

Wiring

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

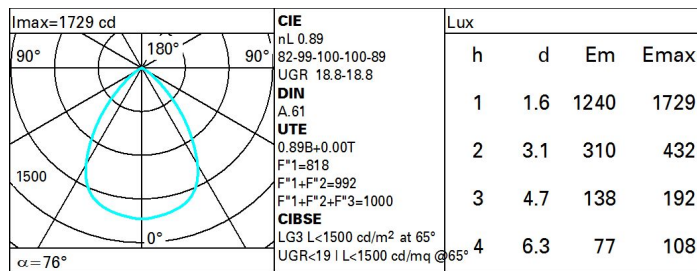


On the visible part of the product once installed

Technical data

lm system:	2448	Colour temperature [K]:	4000
W system:	19.5	MacAdam Step:	2
lm source:	2750	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	16	Lamp code:	LED
Luminous efficiency (lm/W, real value):	125.5	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:	DALI-2
CRI (minimum):	80		

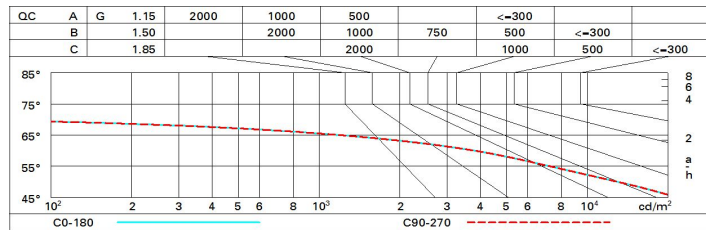
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	67	63	59	66	62	62	58	65
1.0	78	72	68	66	71	68	67	63	71
1.5	84	80	77	74	79	76	75	72	81
2.0	88	85	82	80	83	81	80	77	87
2.5	90	87	86	84	86	84	83	80	90
3.0	91	89	88	86	88	86	85	82	93
4.0	93	91	90	89	89	88	87	84	95
5.0	93	92	91	90	90	90	88	85	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 2750 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	19.3	20.1	19.6	20.3	20.6	19.3	20.1	19.6	20.3	20.6
	3H	19.2	19.9	19.5	20.2	20.4	19.2	19.9	19.6	20.2	20.5
	4H	19.1	19.8	19.5	20.1	20.4	19.2	19.8	19.5	20.1	20.4
	6H	19.0	19.6	19.4	19.9	20.3	19.1	19.7	19.5	20.0	20.3
	8H	19.0	19.6	19.4	19.9	20.2	19.1	19.6	19.4	20.0	20.3
	12H	19.0	19.5	19.3	19.8	20.2	19.0	19.6	19.4	19.9	20.3
4H	2H	19.2	19.8	19.5	20.1	20.4	19.1	19.8	19.5	20.1	20.4
	3H	19.0	19.6	19.4	19.9	20.3	19.0	19.6	19.4	19.9	20.3
	4H	18.9	19.4	19.3	19.8	20.2	18.9	19.4	19.3	19.8	20.2
	6H	18.9	19.3	19.3	19.7	20.1	18.9	19.3	19.3	19.7	20.1
	8H	18.8	19.2	19.3	19.6	20.0	18.8	19.2	19.3	19.6	20.0
	12H	18.8	19.1	19.2	19.5	20.0	18.8	19.1	19.2	19.5	20.0
8H	4H	18.8	19.2	19.3	19.6	20.0	18.8	19.2	19.3	19.6	20.0
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
	12H	18.6	18.8	19.1	19.3	19.9	18.6	18.8	19.1	19.3	19.9
12H	4H	18.8	19.1	19.2	19.5	20.0	18.8	19.1	19.2	19.5	20.0
	6H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
	8H	18.6	18.8	19.1	19.3	19.9	18.6	18.8	19.1	19.3	19.9
Variations with the observer position at spacing:											
S =	1.0H	2.0 / -4.8					2.0 / -4.8				
	1.5H	4.0 / -11.1					4.0 / -11.1				
	2.0H	5.9 / -24.0					5.9 / -24.0				