Easy

Design iGuzzini **iGuzzini**

Last information update: March 2025

Product configuration: R464
R464: Ø 225 - 4000K - CRI80 - UGR<19 - INVERTER

Product code
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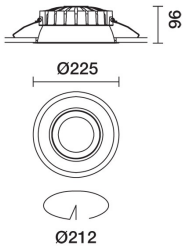
Technical description
Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED 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. Luminaire complete with inverter unit for safety light.

Installation
Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.



Colour	**Weight (Kg)**
White / Aluminium (39)	1.68

Mounting
ceiling surface

Wiring
Product complete with INVERTER for safety light.

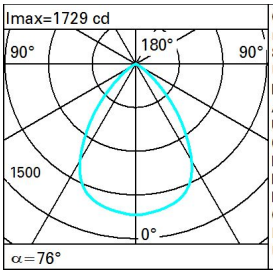
Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

Technical data

lm system:	2448	Colour temperature [K]:	4000
W system:	22.7	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):	107.8	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



CIE
nL 0.89
82-99-100-100-89
UGR 18.8-18.8
DIN
A.61
UTE
0.89B+0.00T
F"1=818
F"1+F"2=992
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 I L<1500 cd/mq @65°

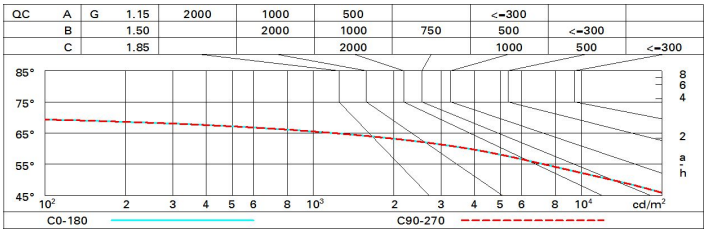
Lux

h	d	Em	Emax
1	1.6	1240	1729
2	3.1	310	432
3	4.7	138	192
4	6.3	77	108

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)

Riflect.: ceil/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				viewed crosswise					viewed endwise		
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