Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MC04
MC04: Round recessed luminaire D = 226 mm H 103 mm neutral white LED with electronic ballast and general light optic

Product code
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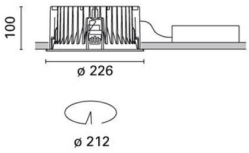
Technical description
Recessed fixed round luminaire designed to use a LED lamp. Version with rim for surface-mounting. Multi-faceted reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED unit in a neutral white tone and electronic driver separate from the luminaire. General light distribution.

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

Colour
White / Aluminium (39)

Weight (Kg)
1.97

Mounting
ceiling recessed



Wiring
Product complete with electronic components

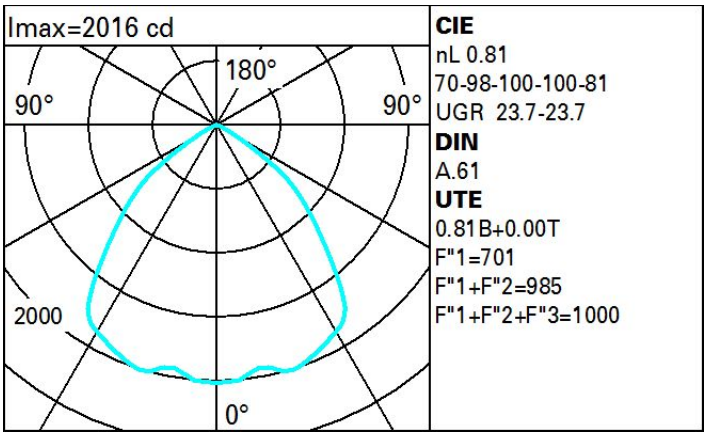
Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	4049	CRI:	80
W system:	35.3	Colour temperature [K]:	4000
lm source:	5000	MacAdam Step:	2
W source:	32	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	114.7	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1

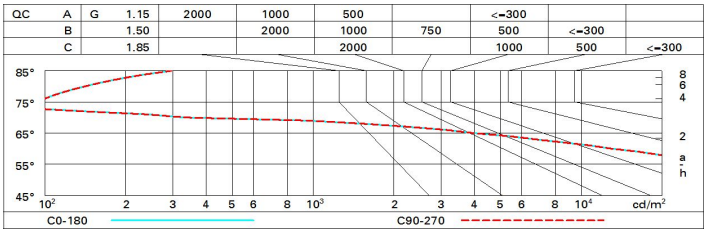
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	55	51	47	54	50	50	45	56
1.0	67	61	57	54	60	56	56	52	64
1.5	74	70	66	64	69	66	65	61	75
2.0	78	75	72	70	73	71	70	67	82
2.5	80	78	75	73	76	74	73	70	87
3.0	82	79	78	76	78	76	75	72	89
4.0	83	81	80	78	80	78	77	74	92
5.0	84	82	81	80	81	80	78	75	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 5000 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	24.1	25.0	24.4	25.2	25.5	24.1	25.0	24.4	25.2	25.5
	3H	24.0	24.7	24.3	25.0	25.3	24.1	24.9	24.4	25.1	25.4
	4H	23.9	24.6	24.2	24.9	25.2	24.0	24.7	24.4	25.0	25.3
	6H	23.8	24.5	24.2	24.8	25.1	23.9	24.6	24.3	24.9	25.2
	8H	23.8	24.4	24.2	24.7	25.1	23.9	24.5	24.3	24.9	25.2
	12H	23.7	24.3	24.1	24.7	25.0	23.9	24.5	24.3	24.8	25.2
4H	2H	24.0	24.7	24.4	25.0	25.3	23.9	24.6	24.2	24.9	25.2
	3H	23.9	24.5	24.3	24.8	25.2	23.9	24.5	24.3	24.8	25.2
	4H	23.8	24.3	24.2	24.7	25.1	23.8	24.3	24.2	24.7	25.1
	6H	23.7	24.2	24.1	24.6	25.0	23.7	24.2	24.1	24.6	25.0
	8H	23.7	24.1	24.1	24.5	24.9	23.7	24.1	24.1	24.5	24.9
	12H	23.6	24.0	24.1	24.4	24.9	23.6	24.0	24.1	24.4	24.9
8H	4H	23.7	24.1	24.1	24.5	24.9	23.7	24.1	24.1	24.5	24.9
	6H	23.6	23.9	24.1	24.4	24.8	23.6	23.9	24.1	24.4	24.8
	8H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8
	12H	23.5	23.7	24.0	24.2	24.7	23.5	23.7	24.0	24.2	24.7
12H	4H	23.6	24.0	24.1	24.4	24.9	23.6	24.0	24.1	24.4	24.9
	6H	23.5	23.8	24.0	24.3	24.8	23.5	23.8	24.0	24.3	24.8
	8H	23.5	23.7	24.0	24.2	24.7	23.5	23.7	24.0	24.2	24.7

Variations with the observer position at spacing:

S =			
	1.0H	0.7 / -1.9	0.7 / -1.9
	1.5H	2.4 / -10.0	2.4 / -10.0
	2.0H	4.3 / -20.0	4.3 / -20.0