Reflex

Design iGuzzini **iGuzzini**

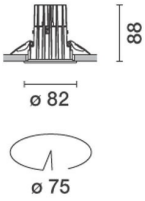
Last information update: May 2018

Fixed circular recessed luminaire - Ø 75 mm - warm white - white optic - DALI

Product code
P588

Technical description
Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI90 (3000K). General lighting beam.

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



Dimension (mm)
Ø82x88

Colour
White (01)

Weight (Kg)
0.41

Mounting
ceiling recessed

Wiring
product complete with DALI components

Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

Product configuration: P588

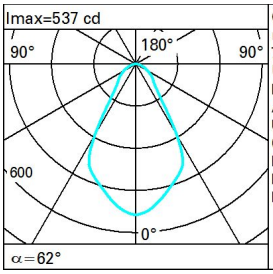
Product characteristics

Total lighting output [Lm]: 650	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 10.1	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 64.3	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.1
Nominal power [W]: 8	Colour temperature [K]: 3000
Nominal luminous [Lm]: 1000	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 62°	MacAdam Step: 2

Polar



CIE
nL 0.65
73-91-98-100-65
UGR 26.1-25.8
DIN
A.51
UTE
0.65B+0.00T
F"1=731
F"1+F"2=909
F"1+F"2+F"3=983

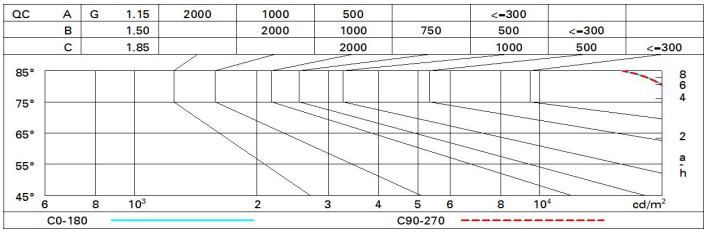
Lux

h	d	Em	Emax
1	1.2	393	537
2	2.4	98	134
3	3.6	44	60
4	4.8	25	34

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	45	42	39	45	42	41	38	58
1.0	54	49	46	44	49	46	45	42	65
1.5	59	55	53	50	54	52	51	48	74
2.0	62	59	57	55	58	56	55	53	81
2.5	64	62	60	58	60	59	58	55	85
3.0	65	63	62	60	62	61	60	57	88
4.0	67	65	64	63	64	63	62	59	91
5.0	67	66	65	64	65	64	63	61	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 1000 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	23.5	24.4	23.8	24.7	24.9	23.5	24.4	23.8	24.7	24.9
	3H	24.5	25.3	24.8	25.6	25.9	23.8	24.7	24.2	25.0	25.3
	4H	24.8	25.6	25.2	25.9	26.3	23.9	24.7	24.3	25.0	25.4
	6H	25.1	25.8	25.5	26.2	26.5	24.0	24.7	24.3	25.0	25.4
	8H	25.2	25.9	25.6	26.2	26.6	24.0	24.7	24.3	25.0	25.3
	12H	25.2	25.9	25.6	26.3	26.6	23.9	24.6	24.3	24.9	25.3
4H	2H	23.9	24.7	24.3	25.0	25.4	24.8	25.6	25.2	25.9	26.3
	3H	25.1	25.8	25.5	26.1	26.5	25.4	26.0	25.8	26.4	26.8
	4H	25.6	26.2	26.0	26.6	27.0	25.6	26.2	26.0	26.6	27.0
	6H	26.0	26.5	26.4	26.9	27.3	25.7	26.3	26.2	26.7	27.1
	8H	26.1	26.6	26.5	27.0	27.4	25.8	26.2	26.2	26.7	27.1
	12H	26.1	26.6	26.6	27.0	27.5	25.8	26.2	26.2	26.6	27.1
8H	4H	25.8	26.2	26.2	26.7	27.1	26.1	26.6	26.5	27.0	27.4
	6H	26.2	26.6	26.7	27.1	27.6	26.3	26.7	26.8	27.2	27.7
	8H	26.4	26.8	26.9	27.2	27.7	26.4	26.8	26.9	27.2	27.7
	12H	26.5	26.8	27.0	27.3	27.8	26.5	26.8	27.0	27.2	27.8
12H	4H	25.8	26.2	26.2	26.6	27.1	26.1	26.6	26.6	27.0	27.5
	6H	26.3	26.6	26.8	27.1	27.6	26.4	26.8	26.9	27.2	27.7
	8H	26.5	26.8	27.0	27.2	27.8	26.5	26.8	27.0	27.3	27.8

Variations with the observer position at spacing:

S =			
	1.0H	0.3 / -0.3	0.3 / -0.3
	1.5H	0.7 / -0.7	0.7 / -0.7
	2.0H	1.3 / -1.1	1.3 / -1.1