Laser

Design iGuzzini **iGuzzini**

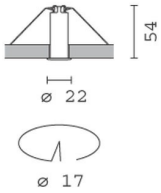
Last information update: June 2018

Fixed round mini-recessed luminaire - LED - spot

Product code
P304

Technical description
Fixed round mini-recessed luminaire with contact frame. The LED is set back to minimize direct glare. The recessed body is made of machined aluminium and the inside of the ring of thermoplastic available in a range of painted and metallised finishes. PMMA - spot (16°) high resolution optic lens. High color rendering index 2700K LED. Tool free assembly. Power unit available with a separate code no.

Installation
Recessed in a false ceiling by means of a steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 17 mm.



Dimension (mm)
Ø22x54

Colour
White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | White/Chrome (E4) | (E7) | (E9)

Weight (Kg)
0.03

Mounting
wall recessed|ceiling recessed

Wiring
Direct current ballasts are available with a separate code no.: ON-OFF / 1-10V dimmable / DALI dimmable / Trailing Edge dimmable

Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Product configuration: P304.01

Product characteristics

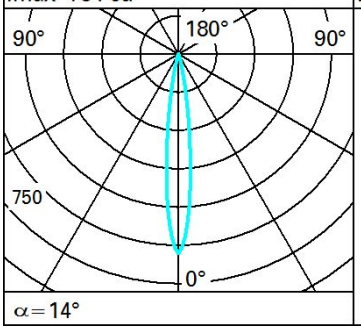
Total lighting output [Lm]: 66	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 1.4	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 46.8	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 57	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 0
Nominal power [W]: 1.4	Colour temperature [K]: 2700
Nominal luminous [Lm]: 115	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 14°	MacAdam Step: 3

Polar

Imax=781 cd



Lux

h	d	Em	Emax
1	0.2	595	781
2	0.5	149	195
3	0.7	66	87
4	1	37	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	46	44	42	46	44	43	41	72
1.0	52	49	47	45	48	46	46	44	77
1.5	55	53	51	50	52	51	50	48	84
2.0	57	55	54	53	54	53	53	51	89
2.5	58	57	56	55	56	55	54	53	92
3.0	59	58	57	56	57	56	56	54	95
4.0	60	59	59	58	58	58	57	55	97
5.0	60	60	59	59	59	58	57	56	98

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300