Laser Pinhole

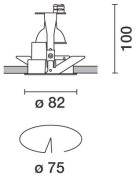
Design iGuzzini **iGuzzini**

Last information update: June 2018

recessed adjustable

Product code
P713

Technical description
Round adjustable luminaire designed for housing 3000K Warm White COB LED light sources with high colour rendering, featuring OPTIBEAM LENS technology suitable for narrow and well-defined light cones. Rim made of white-coated die-cast aluminium incorporating a black-coated thermoplastic component for guaranteeing maximum visual comfort and preventing stray light dispersion. Spot optic. Adjustable internally around the horizontal axis by 35° and around the vertical axis by 358°. Passive cooling system, by means of a black-coated heat sink made of extruded aluminium. The power supply unit is available with a separate code.



Installation
Recessed installation in false ceilings with 1 mm to 20 mm thickness with steel springs.

Dimension (mm)
Ø82x100

Colour
White (01)

Weight (Kg)
0.38

Mounting
ceiling surface

Wiring
Constant-current ballasts available with separate code: ON-OFF / 1-10 V dimmable / phase-cut dimmer / the recessed luminaire is supplied with the cable and connector to be connected to the connector provided on the driver.

Complies with EN60598-1 and pertinent regulations

IP20

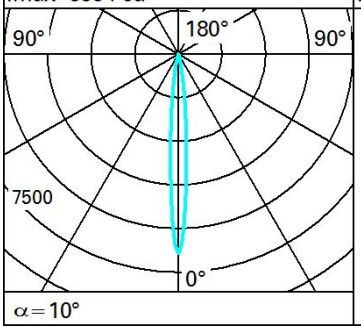
Product configuration: P713

Product characteristics
Total lighting output [Lm]: 300
Total power [W]: 6.1
Luminous efficacy [Lm/W]: 49.2
Life Time: 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 60
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 6.1
Nominal luminous [Lm]: 500
Lamp maximum intensity [cd]: /
Beam angle [°]: 10°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

Polar

Imax=6854 cd



Lux

h	d	Em	Emax
2	0.3	1248	1714
4	0.7	312	428
6	1	139	190
8	1.4	78	107

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	51	49	48	51	49	49	47	78
1.0	56	54	52	51	53	52	51	50	83
1.5	59	57	56	55	57	55	55	53	88
2.0	61	60	59	58	59	58	57	56	93
2.5	62	61	60	60	60	60	59	57	96
3.0	63	62	62	61	61	61	60	59	98
4.0	64	63	63	62	62	62	61	60	99
5.0	64	64	63	63	63	62	62	60	100

Luminance curve limit