

## Laser Pinhole

Design iGuzzini

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recessed adjustable

### Product code

P443

### Technical description

Round adjustable luminaire designed for housing 2700K Warm White COB LED light sources with high colour rendering and OPTIBEAM reflector made of thermoplastic material. Rim made of white-coated die-cast aluminium, upper barrel made of black-coated thermoplastic for guaranteeing maximum visual comfort and preventing stray light dispersion, black-coated extruded aluminium heat sink. Medium optic. Adjustable internally around the horizontal axis by 35° and around the vertical axis by 358°. Passive cooling system. Product inclusive of DALI components.

### Installation

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

### Dimension (mm)

Ø136x138

### Colour

White (01)

### Weight (Kg)

1.3

### Mounting

ceiling surface

### Wiring

Product inclusive of DALI components.

Complies with EN60598-1 and pertinent regulations



pending

### Product configuration: P443

#### Product characteristics

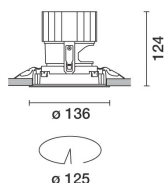
Total lighting output [Lm]: 960  
Total power [W]: 21.8  
Luminous efficacy [Lm/W]: 44  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

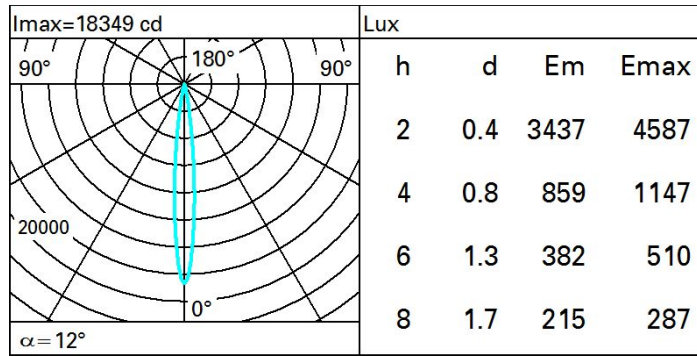
#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 48  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 19  
Nominal luminous [Lm]: 2000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 12°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.8  
Colour temperature [K]: 2700  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 2



**Polar**



**Utilisation factors**

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 43 | 41 | 40 | 38 | 41 | 39 | 39 | 38 | 78  |
| 1.0  | 45 | 43 | 42 | 41 | 43 | 41 | 41 | 40 | 83  |
| 1.5  | 47 | 46 | 45 | 44 | 45 | 44 | 44 | 42 | 88  |
| 2.0  | 49 | 48 | 47 | 46 | 47 | 46 | 46 | 45 | 93  |
| 2.5  | 50 | 49 | 48 | 48 | 48 | 48 | 47 | 46 | 96  |
| 3.0  | 50 | 50 | 49 | 49 | 49 | 49 | 48 | 47 | 98  |
| 4.0  | 51 | 51 | 50 | 50 | 50 | 50 | 49 | 48 | 99  |
| 5.0  | 51 | 51 | 51 | 51 | 50 | 50 | 49 | 48 | 100 |

**Luminance curve limit**

