## 1.69.010.002/1500



# Tilted Diamond<sup>+</sup> signal lamp, 24 Volt, bezel green, Cage Clamp<sup>®</sup>





#### fields of application

- > Measurement-control-regulation
- > Electrical engineering
- Mechanical and system engineering
- > Signalling systems
- > Vehicle construction
- > Industrial robots
- > Model construction

#### special features

- > Special refracted light effect due to diamond lens
- > Diffuser lens designed by cult designer Luigi Colani
- > Long-lasting and ultra-bright SMT LEDs
- > Energy efficient: low electricity consumption
- > Low-maintenance: particularly shockresistant, no bulb replacement necessary
- > Terminal with M12 plug or direct wiring with CAGE CLAMP®
- > Accessory program: extension support tubes in different lengths
- > Available colors: red, yellow, green, blue, transparent/white



## description

RAFI has further refined the Tilted Diamond signal lamp, developed in collaboration with Luigi Colani. The result: Tilted Diamond<sup>+</sup>, which is also very easy to assemble, thanks to the M12 or CAGE CLAMP® terminal.

To achieve outstanding illumination, we have optimized the light refraction. Its uniform, all-round high visibility makes the signal lamp even easier to see from a distance, so you can respond even faster in an emergency. In line with everyday requirements in industrial environments, this signal lamp is especially sustainable and shock-resistant. In addition, the bright LEDs are energy efficient and do not have to be replaced. The resulting overall package, for many fields of application, will exceed your expectations.

The wiring of the terminals must be carried out by trained specialist personnel.

#### technical data

general		
Color	black	direct links
		<b>&gt;</b> DAFL O
Bezel color	green	> RAFI eCatalog
Property of bezel / mushroom	translucent	
Bezel shape	convex	
Collar shape	round	
Operating temperature, min.	-30 °C	
Operating temperature, max.	60 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	85 °C	
illuminated	Yes	

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights. date: Feb 28, 2024 page: 1/3

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Luminous elements

Packaging

Packaging unit

1 pcs.

net weight

52.9 g

Degree of protection, front side, according to DIN EN 60529

shock resistance

08 side

08 frontal

MOQ order 10 pcs.

RoHS compliant Yes

REACH compliant Yes

> mounting diameters

Outside dimension, length 56.8 mm
Outside dimension, width 56.8 mm
Outside dimension, height 70.1 mm
Installation height 70.1 mm
Collar dimension 56.8 mm

> mechanical data

Fixing Screw

Terminal on the rear Cage Clamp®
Abisolierlänge 10 mm

> electrical data

Operating voltage of the luminous 20 V

element, min.

Operating voltage of the luminous 28 V

element, max.

Voltage type DC

Rated operating voltage 20-28 V
Power loss 3.08 W
Maximum connection cross 0.75 mm²

section

Minimum connection cross 0.2 mm<sup>2</sup>

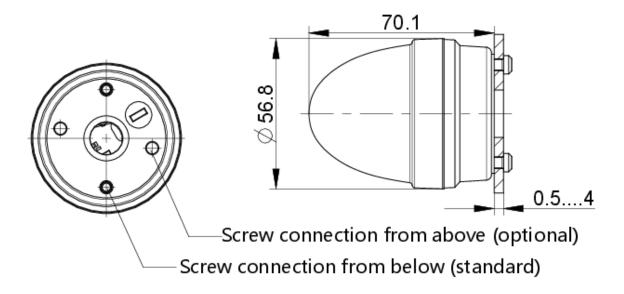
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## drawings

### **Dimensioned drawing**



#### Schematic diagram

