

# Tilted Diamond<sup>+</sup> signal lamp, 24 Volt, bezel red, 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 shock-resistant, no bulb replacement necessary
- Terminal with M12 plug or direct wiring with CAGE CLAMP<sup>®</sup>
- 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<sup>®</sup> 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       |
| Bezel color                  | red         |
| 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         |

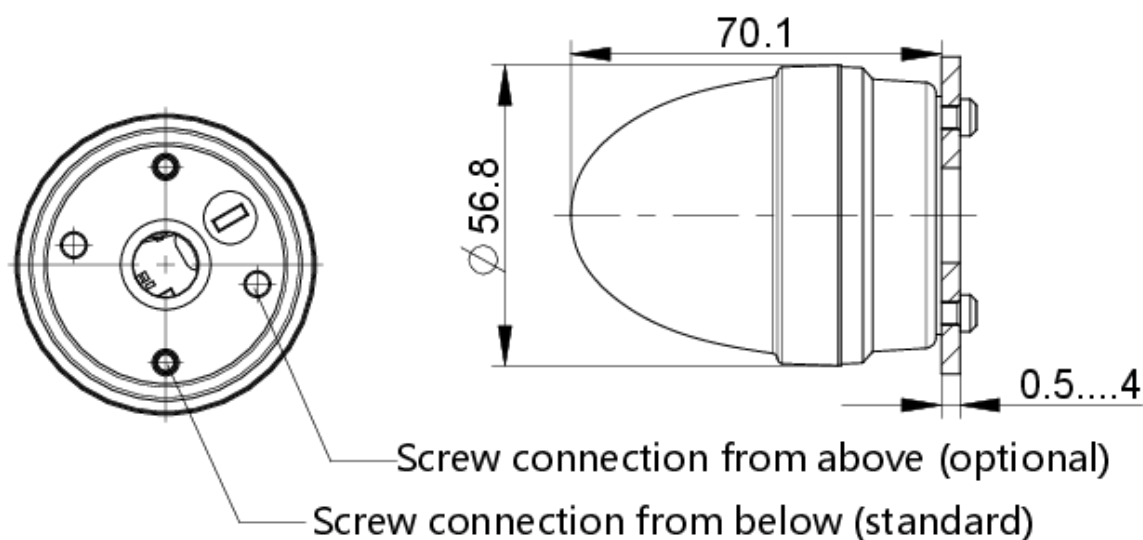
### direct links

- [RAFI eCatalog](#)

|                                                 |             |
|-------------------------------------------------|-------------|
| Luminous elements                               | LED         |
| Packaging                                       | Box         |
| Packaging unit                                  | 1 pcs.      |
| net weight                                      | 52.9 g      |
| Degree of protection, front side,               | IP66        |
| according to DIN EN 60529                       | IP67        |
| Impact resistance IK                            | 08 side     |
|                                                 | 08 frontal  |
| MOQ order                                       | 10 pcs.     |
| RoHS compliant                                  | Yes         |
| REACH compliant                                 | Yes         |
| <b>&gt; mounting diameters</b>                  |             |
| 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     |
| <b>&gt; mechanical data</b>                     |             |
| Fixing                                          | Screw       |
| Terminal on the rear                            | Cage Clamp® |
| Abisolierlänge                                  | 10 mm       |
| <b>&gt; electrical data</b>                     |             |
| Operating voltage of the luminous element, min. | 20 V        |
| Operating voltage of the luminous element, max. | 28 V        |
| Voltage type                                    | DC          |
| Rated operating voltage                         | 20-28 V     |
| Power loss                                      | 2.24000 W   |
| Maximum connection cross section                | 0.75 mm²    |
| Minimum connection cross section                | 0.2 mm²     |

## drawings

### Dimensioned drawing



### Schematic diagram

