



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

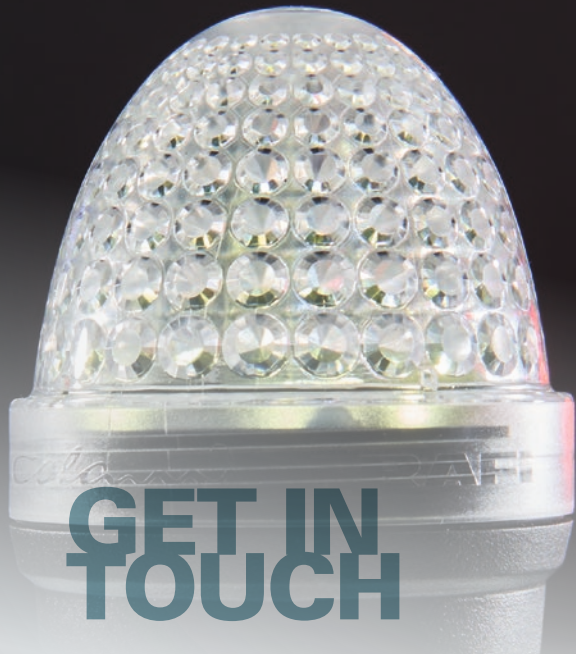
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*Colani*



**GET IN  
TOUCH**

# **TILTED DIAMOND<sup>+</sup>**

Designed by Luigi Colani





THE FINAL POLISH

# PERFECTING THE DIAMOND AMONG MACHINE LAMPS



Luigi Colani



We have developed the Tilted Diamond<sup>+</sup> signal lamp together with renowned product designer Luigi Colani. And given it a final polish.

The name 'Tilted Diamond' refers to the unique scattered light effect of the diamond lens. With the aim of achieving optimal illumination, we have further optimized the light refraction. Due to consistently high visibility over 360 degrees, the signal lamp can be seen even from long distances, allowing for quick reactions, if necessary.

High demands are placed on equipment every day in an industrial environment, which is why we have made the signal lamp particularly durable and shock-resistant. Moreover, the Tilted Diamond<sup>+</sup> is very easy to mount, and the exceptionally bright LEDs are energy-efficient and don't have to be replaced. For you, this means: no maintenance.

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## All the benefits of the Tilted Diamond<sup>+</sup> signal lamp at a glance:

- ▶ Unique scattered light effect due to the diamond lens
  - ▶ Long-lasting, bright LEDs
  - ▶ Energy-efficient: low power consumption
  - ▶ Maintenance-free: exceptionally shock-resistant, no need to replace the luminous elements
  - ▶ Standard with direct wiring or M12 terminal
  - ▶ CAGE CLAMP<sup>®</sup> terminal strip for easy connection
  - ▶ Range of accessories with different lengths for flexible use
  - ▶ Available colors: red, yellow, green, blue, transparent/white
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# SIGNAL LAMP

WITH INTEGRATED LEDS

## PRELIMINARY SPECIFICATIONS

# TILTED DIAMOND<sup>+</sup>

→ The maintenance-free Tilted Diamond<sup>+</sup> signal lamp is available in five cap colors, with accessories in different sizes and shapes. The four built-in LEDs and the diamond lens produce a unique scattered light effect and ensure optimum visibility. Extreme brightness with low power consumption, easy connection and extraordinary shock resistance make the Tilted Diamond<sup>+</sup> a true gem among signal lamps.

### Specifications

#### Standard (M12 Version)

##### → General

Cape shape	round
Collar diameter	56.9 mm

##### → Installation dimensions

Overall height	70.1 mm (83.55 mm)
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##### → Mechanical construction

Mounting	2 x screws
Terminals	CAGE CLAMP <sup>®</sup> terminal connection (M12, A-coded, 4-pin)
Luminous elements	4 x LED

##### → Electrical specifications

Operating voltage U <sub>B</sub>	24 V AC/DC
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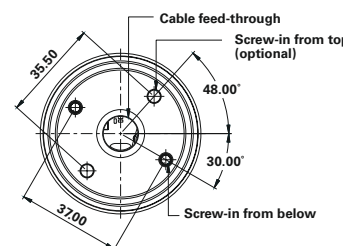
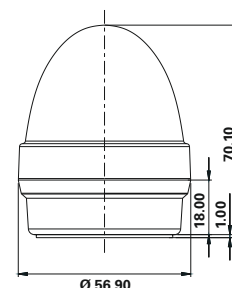
##### → Other specifications

Operating temperature	min. -30 °C, max. +60 °C
Protection class	IP 65 front side (IP 65/67)
Weight	55 g (65 g)
Operating life	up to 50,000 h
ROHS-compliant	yes
REACH-compliant	yes

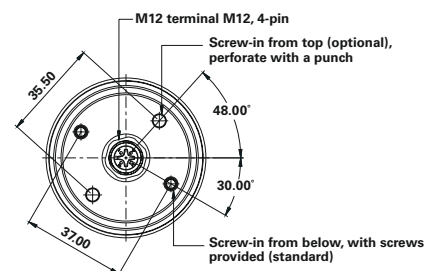
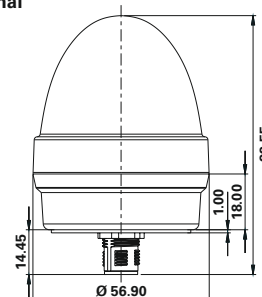
→ Cap color/LED color	Order No. Standard	Order No. M12
white	1.69.010.002/1000	1.69.010.003/1000
red	1.69.010.002/1300	1.69.010.003/1300
yellow	1.69.010.002/1400	1.69.010.003/1400
green	1.69.010.002/1500	1.69.010.003/1500
blue	1.69.010.002/1600	1.69.010.003/1600

Scope of delivery: sealing disc, 2 screws for mounting

#### Standard

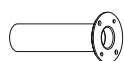


#### M12 terminal

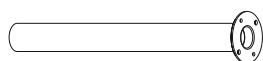


### Accessories

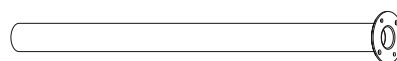
incl. screws for fixing



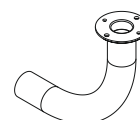
100 mm



250 mm



400 mm



90°



Mounting foot

Material: steel, black powder-coated

→ Accessories	Length	Order No.
Short support tube with mounting foot	100 mm	5.05.525.143/0000
Medium support tube with mounting foot	250 mm	5.05.525.144/0000
Long support tube with mounting foot	400 mm	5.05.525.145/0000
Support tube angled, 90°, with mounting foot	100/100 mm	5.05.525.146/0000
Separate mounting foot	30 mm	5.05.525.142/0000



Technical specifications are only approximate and should be used only for product selection. Subject to change and errors excepted. Images and other depictions alike. For more information, go to Imprint/Data Protection at [www.rafi.de](http://www.rafi.de).

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