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colani

GET IN
TOUCH

TILTED DIAMOND⁺

Designed by Luigi Colani

THE FINAL POLISH

PERFECTING THE DIAMOND AMONG MACHINE LAMPS



Luigi Colani



We have developed the Tilted Diamond⁺ 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⁺ 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.

All the benefits of the Tilted Diamond⁺ 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[®] terminal strip for easy connection
- ▶ Range of accessories with different lengths for flexible use
- ▶ Available colors: red, yellow, green, blue, transparent/white

PRELIMINARY SPECIFICATIONS

TILTED DIAMOND⁺

→ The maintenance-free Tilted Diamond⁺ 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⁺ a true gem among signal lamps.

Specifications

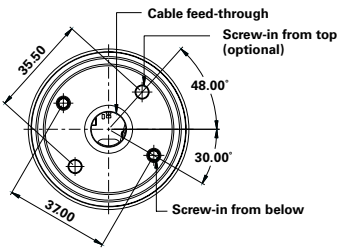
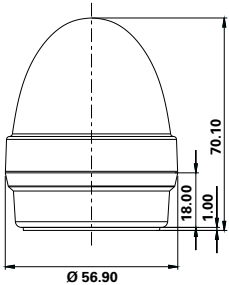
Standard (M12 Version)

→	General	
	Cap shape	round
	Collar diameter	56.9 mm
→	Installation dimensions	
	Overall height	70.1 mm (83.55 mm)
→	Mechanical construction	
	Mounting	2 x screws
	Terminals	CAGE CLAMP® terminal connection (M12, A-coded, 4-pin)
	Luminous elements	4 x LED
→	Electrical specifications	
	Operating voltage U _B	24 V DC
→	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

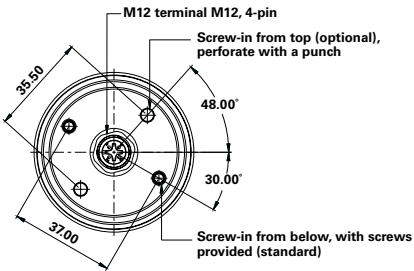
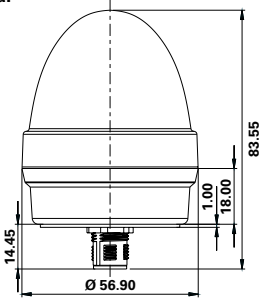
→	Cap color/LED color	Order No. Standard	Order No. M12
	white	1.69.010.002/1000	1.69.010.003/1000
	red	1.69.010.002/1300	1.69.010.003/1300
	yellow	1.69.010.002/1400	1.69.010.003/1400
	green	1.69.010.002/1500	1.69.010.003/1500
	blue	1.69.010.002/1600	1.69.010.003/1600

Scope of delivery: sealing disc, 2 screws for mounting

Standard

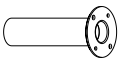


M12 terminal

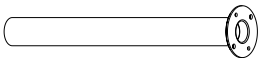


Accessories

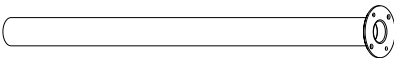
incl. screws for fixing



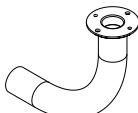
100 mm



250 mm



400 mm



90°



Mounting foot

Material: steel, black powder-coated

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