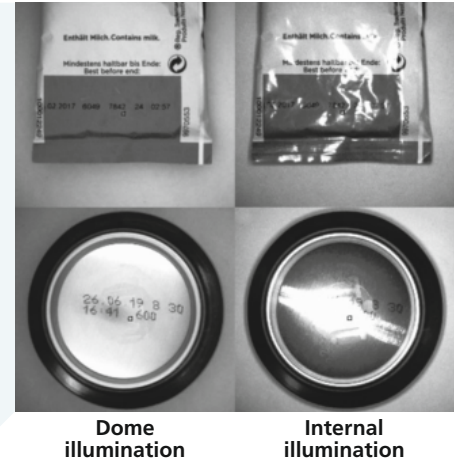




# LED dome – the right illumination makes it possible



## Illumination



**Homogeneous light in four different colours**

**Two colour combinations selectable: white/infrared or cyan/red**

**Two illuminated area sizes**

**Four lighting segments can be controlled separately**

**Permanent light or pulse operation with 4 times more light**

**No external control unit necessary**



### Application

Many objects, such as aluminium bags, blister packages or curved metal surfaces with printed, dot-peened or punched codes have difficult reflecting properties. Dome illumination provides a remedy. The integrated LEDs radiate into the dome from below. Due to the diffuse reflection under the dome, the result is an evenly lit surface, comparable to the light conditions on a cloudy day.

If standard illumination is used, however, direct reflection on the object may lead to halation (hot spot), similar to the reflection of sunlight on a cloudless day. The homogeneous illumination guarantees reliable monitoring or identification results even in case of reflective objects with complicated shapes. The light colour and the four lighting segments can be selected via the pushbutton module or externally.





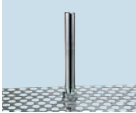



Type	Light spot diameter [Ø mm]	Length [mm]	Width [mm]	Height [mm]	Operating principle	Light colour	Order no.
<b>M12 connector</b>							
LED dome	80	136	193	75	indirect light	white / infrared	<b>O2D930</b>
	80	136	193	75	indirect light	cyan / red	<b>O2D931</b>
	130	197	257	107	indirect light	white / infrared	<b>O2D932</b>
	130	197	257	107	indirect light	cyan / red	<b>O2D933</b>



### Accessories

Type	Description	Order no.
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#### Mounting accessories

	Mounting set	<b>E2D117</b>
	Clamp for mounting rod Ø 12 mm, stainless steel	<b>E21110</b>
	Connection piece for clamps, stainless steel	<b>E21076</b>
	Cube for mounting on an aluminium profile, M10 thread, diecast zinc	<b>E20951</b>
	Rod, 100 mm, Ø 12 mm, M10 thread, stainless steel	<b>E20938</b>
	Rod, 150 mm, Ø 12 mm, stainless steel	<b>E21111</b>
	Rod, 200 mm, Ø 12 mm, stainless steel	<b>E21112</b>
	Rod, 300 mm, Ø 12 mm, stainless steel	<b>E21113</b>

#### Connection technology

	Socket, M12, 2 m black, PUR cable, 5-pole	<b>EVC070</b>
	Socket, M12, 2 m black, PUR cable, 8-pole	<b>E11950</b>

#### Further technical data

Operating voltage	[V DC]	24 ± 10 %
Maximum flash frequency	[Hz]	310
Trigger		external, 24 V PNP
Overload protection		•
Protection rating, protection class		IP65, III
Ambient temperature	[°C]	-10...40
Operating status indications		operation LED green illuminated state LED red
Housing material		aluminium, ABS

#### Dimensions

