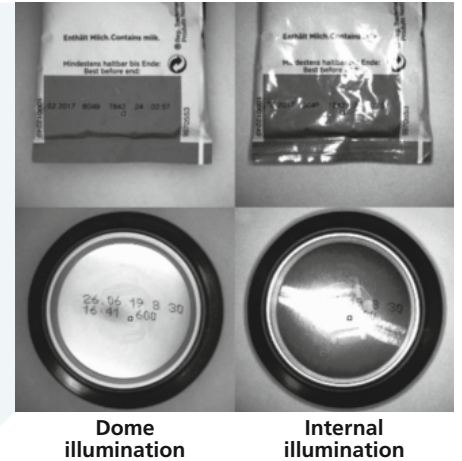




Industrial imaging

LED dome – the right illumination makes it possible

Illumination



Dome illumination

Internal 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.





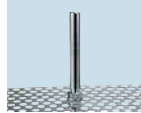



Type	Light spot diameter [Ø mm]	Length [mm]	Width [mm]	Height [mm]	Operating principle	Light colour	Order no.
M12 connector							
LED dome	80	136	193	75	indirect light	white / infrared	O2D930
	80	136	193	75	indirect light	cyan / red	O2D931
	130	197	257	107	indirect light	white / infrared	O2D932
	130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



Accessories

Type	Description	Order no.
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Mounting accessories

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

Connection technology

	Socket, M12, 2 m black, PUR cable, 5-pole	EVC070
	Socket, M12, 2 m black, PUR cable, 8-pole	E11950

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

