

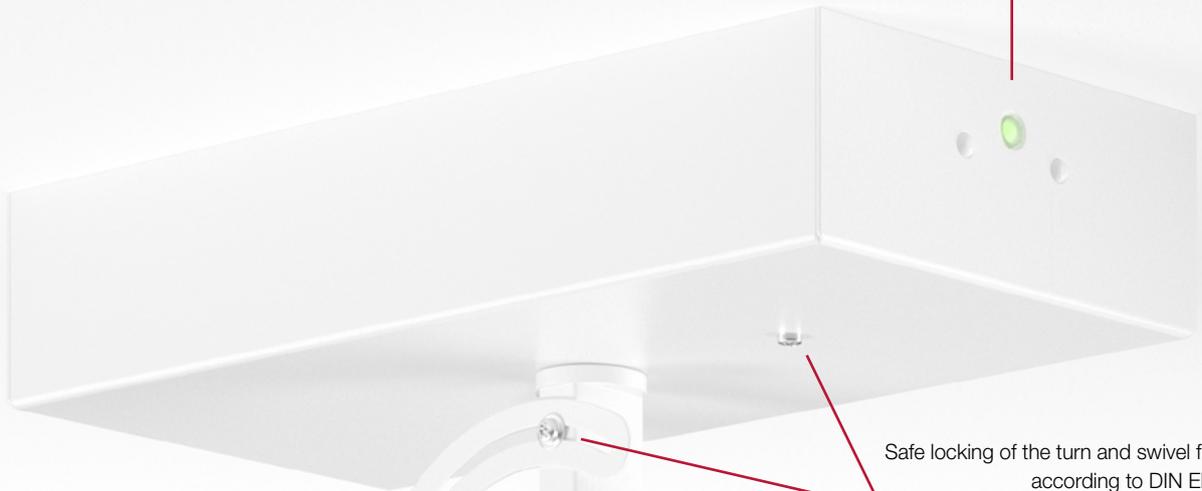
DEECOS E

PROJECTORS FOR ESCAPE ROUTE ILLUMINATION

DEECOS E

Everything at a glance

Integrated status LED
for self-contained luminaires



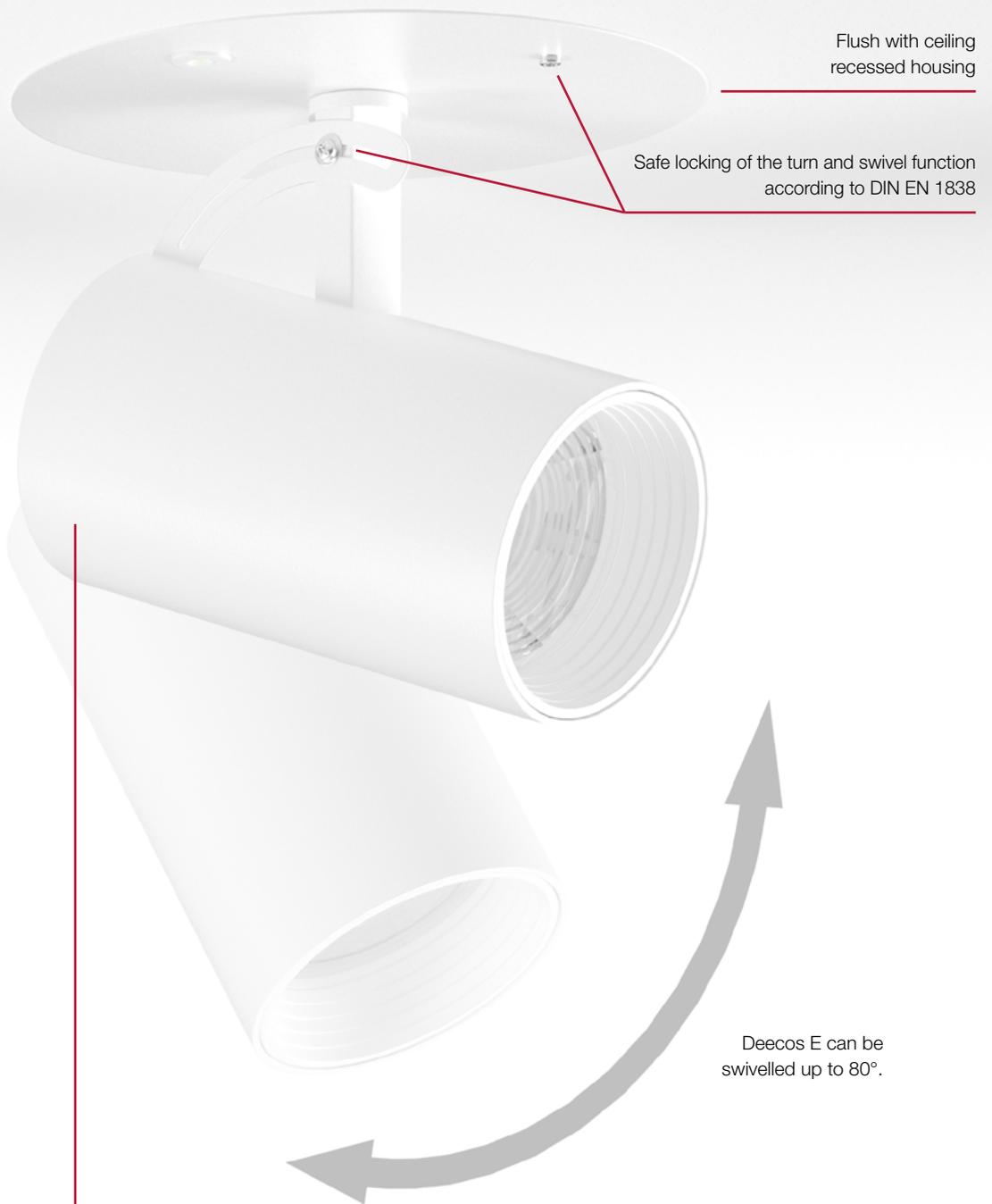
Safe locking of the turn and swivel function
according to DIN EN 1838



Lens optics for best homoge-
neous light distribution



Deecos E can be rotated 340°

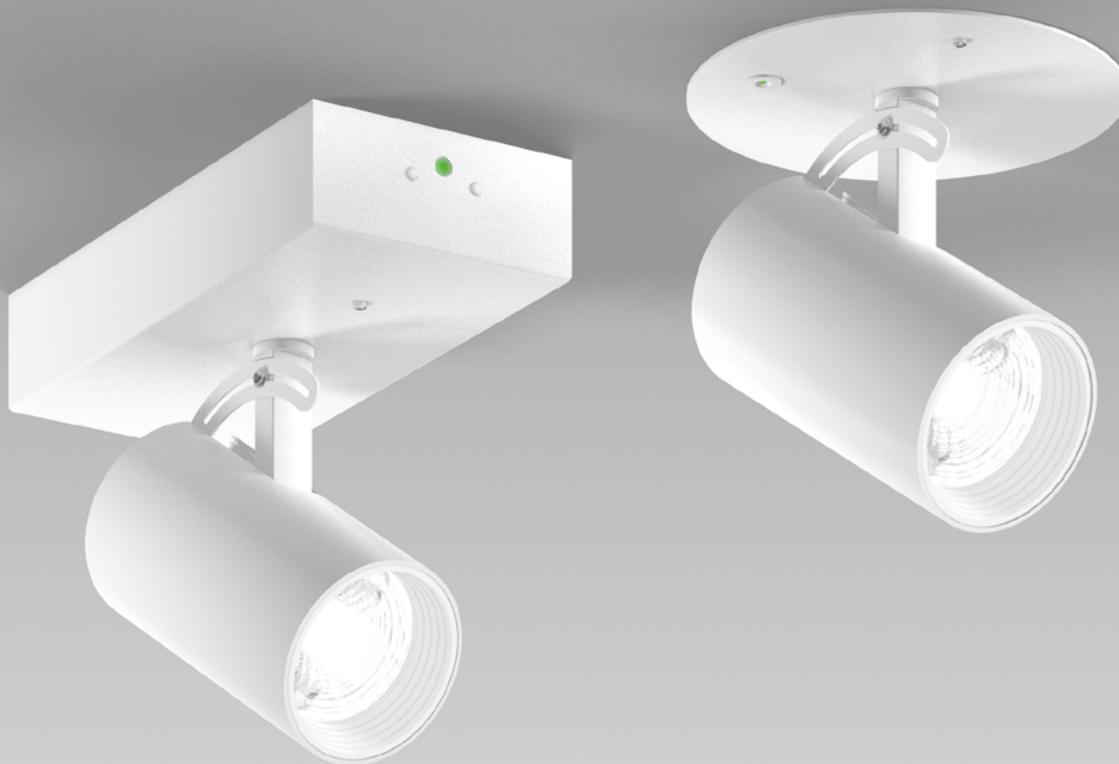


Flush with ceiling
recessed housing

Safe locking of the turn and swivel function
according to DIN EN 1838

Deecos E can be
swivelled up to 80°.

Modern design: cylindrical shape
with no visible cooling fins.



SCL



CBS

DEECOS® E

Ceiling and wall luminaires, Recessed ceiling and wall luminaires

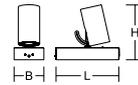
- For targeted visual highlighting of e.g. fire extinguishers, defibrillators, etc.
- Can be used for emergency lighting in accordance with EN1838.
- Fulfills the normative requirement for increased recognisability of auxiliary devices even in case of power failure.
- High quality die-cast aluminum housing.
- Projector can be adjusted flexibly, and setting fixed securely.
- Modern design: cylindrical shape with no visible cooling fins.

Ceiling and wall luminaires | Deecos E

Type of Protection: IP 20
 Protection Class: I
 Impact Protection: IK03

Surface-mounted LED projector for illuminating points to be highlighted. Housing: extruded aluminium profile, powder-coated. Projector has a horizontal rotation range of 340° and a vertical swivel range of 80°. Lockable projector orientation. Optical assembly with lens made of plastic (polycarbonate) for the best homogeneous light distribution - can be changed without tools. Suitable for ceiling and wall mounting. Integral driver.

Available colour: white



Self-contained safety luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Luminaires for central battery system

Voltage type: AC/DC

Reference number	Dimensions [mm]	Light colour	Luminaire flux Mains/Emergency [lm]	System power [W]	Battery		Monitoring
Self-contained safety luminaires							
Price Category 23							
672501.002	L 258, B 121, H 225	830	1050 / 500	12	NiMh	3	Autotest
672501.002.07	L 258, B 121, H 225	830	1050 / 500	12	NiMh	3	DALI-Sibe
672501.002.1	L 258, B 121, H 225	840	1100 / 520	12	NiMh	3	Autotest
672501.002.1.07	L 258, B 121, H 225	840	1100 / 520	12	NiMh	3	DALI-Sibe



Luminaires for central battery system

Price Category 24							
672502.002	L 258, B 121, H 225	830	1000 / 1000	10	without battery		Standard
672502.002.89	L 258, B 121, H 225	830	1000 / 1000	10	without battery		AC-Control
672502.002.1	L 258, B 121, H 225	840	1050 / 1050	10	without battery		Standard
672502.002.1.89	L 258, B 121, H 225	840	1050 / 1050	10	without battery		AC-Control

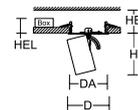


Recessed ceiling and wall luminaires | Deecos E

Type of Protection: IP 20
 Protection Class: I
 Ceiling thickness S: 1-25 mm

Recessed LED projector for illuminating points to be highlighted. Housing: extruded aluminium profile, powder-coated. Projector has a horizontal rotation range of 340° and a vertical swivel range of 80°. Lockable projector orientation. Optical assembly with lens made of plastic (polycarbonate) for the best homogeneous light distribution - can be changed without tools. Installation without tools thanks to spring fastening system. Including separate LED converter with connecting cable 250 mm.

Available colour: white



Self-contained safety luminaires

Voltage type: AC
 Automatic self test in all standard versions.
 Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Luminaires for central battery system

Voltage type: AC/DC

Reference number	Dimensions [mm]	Light colour	Luminaire flux Mains/Emergency [lm]	System power [W]	Battery		Monitoring
Self-contained safety luminaires							
Price Category 23							
672524.002	D 168, H 177, HE 125, HEL 51-63	830	1050 / 500	12	NiMh	3	
672524.002.07	D 168, H 177, HE 125, HEL 51-63	830	1050 / 500	12	NiMh	3	
672524.002.1	D 168, H 177, HE 125, HEL 51-63	840	1100 / 520	12	NiMh	3	
672524.002.1.07	D 168, H 177, HE 125, HEL 51-63	840	1100 / 520	12	NiMh	3	



Luminaires for central battery system

Price Category 24							
672525.002	D 168, H 177, HE 125, HEL 51-63	830	1000 / 1000	10	without battery		
672525.002.89	D 168, H 177, HE 125, HEL 51-63	830	1000 / 1000	10	without battery		
672525.002.1	D 168, H 177, HE 125, HEL 51-63	840	1050 / 1050	10	without battery		
672525.002.1.89	D 168, H 177, HE 125, HEL 51-63	840	1050 / 1050	10	without battery		





Emergency lighting according to EN1838

Points to be highlighted:

DIN EN 1838 sets out the requirements for emergency lighting. In addition to escape route marking and lighting, it also requires that certain points along the escape route be highlighted by additional lighting.

On the one hand, this concerns places that are to be highlighted by additional horizontal lighting, such as

- Exit doors
- Stairs
- Level changes
- crossing of corridors
- every last exit
- outside buildings to a safe area
- Safe area for people with disabilities

In addition to this, the following must also

- safety signs and directional signs (escape route signs)
- First aid points (e.g. first aid kit, defibrillator)
- fire-fighting equipment (e.g. fire extinguishers)
- Detection equipment (e.g. fire detectors, smoke extractors)

be easily recognisable along the escape route, even for people unfamiliar with the area.

However, this requires an appropriate light distribution of the emergency luminaires used.

If the light from the escape route lighting is mainly directed onto the floor of the escape route, the surrounding walls and thus the escape route signs and equipment mounted there remain unlit. Especially against the background of efficient illumination of the escape route by very precise lenses, only a small part of the light reaches the wall areas, possibly only due to reflections.

This means that escape route signs or fire-fighting equipment are no longer automatically illuminated. The standard specifies a specific minimum value for vertical illuminance, especially for first-aid stations and fire-fighting and signalling equipment. The vertical illuminance is intended to enable good recognisability, quick orientation and use of the facilities in the event of a failure of the general lighting. A value of 5 lx is specified here as the maintenance value from the direction of view of a fleeing person. This refers to the proportion of light that is directed vertically onto the wall.

Even if general lighting is available, additional illumination of defibrillators, for example, helps them to be found quickly.

To achieve these protection goals, the use of a ceiling spotlight mounted nearby is directly suitable, as the alignment ensures that a high proportion of the light falls vertically on the wall surface with the location to be highlighted.

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