



- Long-life, energy-saving, midpower LEDs embody design innovation
- For 110 to 240 V AC/DC, 24 to 48 V AC/DC or 12 V DC
- Standard version with diffuser for reduced glare and H07-RNF connection line, 2 x 1.5 mm²
- Further connection lines and connectors available as options

E2

WebCode **6149B**



The 6149 inspection light is a versatile light that allows you to see into every corner. This is all down to its state-of-the-art LED technology, coupled with its long-life electronics, which have been developed in-house by R. STAHL and exhibit high energy efficiency and superior illuminance. The innovative design of the enclosure makes the light extremely slim and lightweight. Its lockable suspension hooks and practical anti-roll protection make it ideal for use in the workshop.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table								
Gas temperature class		T4						
Rated operational voltage DC	Rated operational voltage AC	Cable length	Wire guard	Luminous flux	Ambient temperature	Product Type	Art. No.	Weight kg
12 V	–	5 m	No	1396 lm	-40 °C ... +40 °C	6149/2-2511-5010	273991	1.655
		5 m	Yes	1396 lm	-40 °C ... +40 °C	6149/2-2511-5011	274013	1.825
24 – 48 V	24 – 48 V	5 m	No	1396 lm	-40 °C ... +60 °C	6149/2-3511-5010	273969	1.450
		5 m	Yes	1396 lm	-40 °C ... +60 °C	6149/2-3511-5011	273999	1.620
		10 m	No	1396 lm	-40 °C ... +60 °C	6149/2-3511-7010	273994	3.440
		10 m	Yes	1396 lm	-40 °C ... +60 °C	6149/2-3511-7011	274015	2.450
		20 m	No	1396 lm	-40 °C ... +60 °C	6149/2-3511-8010	274016	3.220
		20 m	Yes	1396 lm	-40 °C ... +60 °C	6149/2-3511-8011	274003	3.700
110 – 240 V	110 – 240 V	5 m	No	1396 lm	-30 °C ... +60 °C	6149/2-5511-5010	273970	1.450
		5 m	Yes	1396 lm	-30 °C ... +60 °C	6149/2-5511-5011	274007	1.825
		10 m	No	1396 lm	-30 °C ... +60 °C	6149/2-5511-7010	273995	2.280
		10 m	Yes	1396 lm	-30 °C ... +60 °C	6149/2-5511-7011	274009	2.450
		20 m	No	1396 lm	-30 °C ... +60 °C	6149/2-5511-8010	273996	3.530
		20 m	Yes	1396 lm	-30 °C ... +60 °C	6149/2-5511-8011	274006	3.700
Gas temperature class		T6						
Rated operational voltage DC	Rated operational voltage AC	Cable length	Wire guard	Luminous flux	Ambient temperature	Product Type	Art. No.	Weight kg
24 – 48 V	24 – 48 V	10 m	No	1396 lm	-40 °C ... +40 °C	6149/2-3611-7010	274033	2.280
		10 m	Yes	1396 lm	-40 °C ... +40 °C	6149/2-3611-7011	274034	2.450

Selection Table

Gas temperature class		T6						
Rated operational voltage DC	Rated operational voltage AC	Cable length	Wire guard	Luminous flux	Ambient temperature	Product Type	Art. No.	Weight kg
110 – 240 V	110 – 240 V	5 m	No	1396 lm	-30 °C ... +40 °C	6149/2-5611-5010	274032	1.450
		5 m	Yes	1396 lm	-30 °C ... +40 °C	6149/2-5611-5011	274038	1.825
		10 m	No	1396 lm	-30 °C ... +40 °C	6149/2-5611-7010	274040	2.280
		10 m	Yes	1396 lm	-30 °C ... +40 °C	6149/2-5611-7011	274039	2.450
		20 m	No	1396 lm	-30 °C ... +40 °C	6149/2-5611-8010	274037	3.150
		20 m	Yes	1396 lm	-30 °C ... +40 °C	6149/2-5611-8011	274043	3.700



The inspection light is delivered without plug and wire guard. Specify the plug on order. See accessories and spare parts.

Variants without wire guard can be equipped with a wire guard at a later stage. See accessories and spare parts.

Technical Data

Variant	Gas temperature class T4	Gas temperature class T6
Explosion Protection		
IECEx gas explosion protection	Ex d IIC T4 Gb	Ex d IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T100 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex d IIC T4 Gb	Ⓔ II 2 G Ex d IIC T6 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T100 °C Db	Ⓔ II 2 D Ex tb IIIC T80 °C Db
EAC gas explosion protection	Ⓔ 1 Ex d IIC T6/T4 Gb X	Ⓔ 1 Ex d IIC T6/T4 Gb X
EAC dust explosion protection	Ⓔ Ex tb IIIC T80 °C/T100 °C Db	Ⓔ Ex tb IIIC T80 °C/T100 °C Db
Certificates	ATEX (PTB), Brazil (ULB), IECEx (PTB)	ATEX (PTB), Brazil (ULB), IECEx (PTB)
Lighting Data		
Lamp	Single-row LED	Single-row LED
Mechanical Data		
Degree of protection (IP)	IP66 / IP67	IP66 / IP67
Protection class	II (double insulated)	II (double insulated)
Enclosure material	Aluminium	Aluminium
Pipe material	Polycarbonate	Polycarbonate
Type of connection cable	H07RN-F 2x1.5 mm²	H07RN-F 2x1.5 mm²

Accessories

Figure	Description	Art. No.	Weight kg
Mounting bracket			
	Mounting bracket made from galvanised sheet steel (x 2 units); for design size 1	120535 ▲	0.048
Mounting bracket and magnet			
	Mounting bracket made from galvanised sheet steel with magnetic base (x 2 units); for design size 1	120536 ▲	0.100

Accessories				
Plug				
	8570/12-304 3 pins, 100 ... 130 V AC, 50 / 60 Hz, 16 A		150599	0.331
	8570/12-306 3 pins, 200 ... 250 V AC, 50 / 60 Hz, 16 A		150579	0.331
	8573/12-200 2 pins, 20 ... 25 V, 50 / 60 Hz, 16 A		243197 ▲	0.300
	8573/12-210 2 pins, 20 ... 25 V, DC, 16 A		243203 ▲	0.300
	8573/12-300 3 pins, 20 ... 25 V, 50 / 60 Hz, 16 A		243190 ▲	0.300
	8573/12-312 3 pins, 40 ... 50 V, 50 / 60 Hz, 16 A		243195	0.300

Spare Parts				
Figure	Description		Art. No.	Weight kg
Wire guard				
	Stainless steel wire guard for additional mechanical protection		120509 ▲	0.170

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

