Lighting
Hand lamp LED, Z1, SZ1, IIB
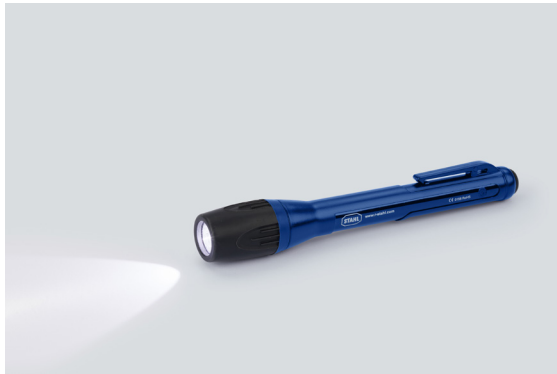
STAHL

6141/61-1S   Art. No. 270805

- Uses alkaline batteries so you are not restricted by the power supply location
- Energy-saving LED technology
- Rubber-coated lamp head
- Rubber-coated rear switch for single-handed operation
- 100% waterproof with IP68 protection (3 m, 30 min)
- Snap-in system for attaching to helmets and belts provides versatility
- Supplied in blister pack including batteries

MY R. STAHL 6141F   Ex

The 6141/61-1S battery-powered hand lamp is small enough to fit into any pocket, so that it is within easy reach when it is needed. Featuring efficient LED technology, it provides a clear view for maintenance and inspection tasks – even in hazardous areas.

The practical pushbutton for single-handed operation makes the lamp quick and easy to use. Its robust housing meets the requirements of the IP68 level of protection and guarantees complete reliability – even in the harshest of conditions.

Approved for gas hazardous areas in accordance with ATEX and IECEx, the 6141/61-1S is the perfect accessory for safe use in Zones 1 and 2.

Technical Data

Explosion Protection	
Ex version	Yes
Application range (zones)	1, 2
IECEX gas certificate	IECEx BVS 21.0072X
IECEx gas explosion protection	Ex ib IIB T4 Gb
ATEX gas certificate	BVS 21 ATEX E 065 X
ATEX gas explosion protection	Ex II 2 G Ex ib IIB T4 Gb
Certificates	ATEX (BVS), IECEx (BVS)
Electrical Data	
Rated operational voltage DC	1.5 V
Outdoor range	35 m
Battery version	2 x AAA
Lighting Data	
Number of lamps	1
Lamp wattage	1 W
Lamp	LED CREE LED (1 W)
Light colour	6500 K
Luminous flux	30 lm
Emergency light duration	~ 10 h
Ambient Conditions	
Ambient temperature	-20 °C ... +40 °C

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Hand lamp LED, Z1, SZ1, IIB

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Mechanical Data

Degree of protection (IP)	IP68 (3 m, 30 min.)
Enclosure material	Polycarbonate
Enclosure colour	Blue
Width	22 mm
Height	22 mm
Length	142 mm
Weight	85 g
Weight	0.19 lb
Components	
Battery-Version	2 x AAA, maintenance-free, 1.5 V

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

Ø 22 [Ø 0,87]   Ø 14 [Ø 0,55]   142 [5,59]
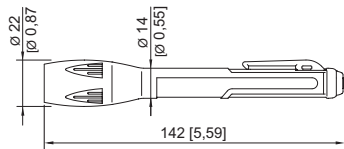
Accessories

Belt bag		**Art. No.**
	black	204142

SNAP-IN system		**Art. No.**
	attaching to helmets and belts for 6141/61-1S	340025

Helmet mount		**Art. No.**
	Helmet mount SOLO for Series 6141	340026
	Helmet mount PRO for Series 6141	340027

Belt holder		**Art. No.**
	for Series 6141	340028

2025-09-05
V 0.17 EN

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2/3

6141/61-1S   Art. No. 270805

Spare Parts

Battery		Art. No.
	4 x Daimon (by Duracell) LR03	204144

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.