

Portable Lamps

Series 6148



LED

- > Latest LED technology
- > Very high light intensity
- > Low weight
- > Lamp head pivoting by 190°
- > Main light continuously dimmable
- > Long battery life
- > Ergonomic one-hand operation

E2

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14755E00

The portable lamps of the Series 6148 are explosion-protected electrical equipment. They are used as portable lighting equipment in hazardous areas of Zones 1, 2, 21 and 22. The lamp is charged outside the hazardous area.




Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

WebCode 6148A

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Selection Table

Version	Description	Order number	Weight kg
 <p>15752E00 Portable lamp with charging unit, explosion protected Series 6148</p>	Portable lamp and charging unit (12 ... 30 V DC and 110 ... 240 V AC, 50 / 60 Hz) in a packaging set	6148/1111-111	1.830
 <p>15753E00 Portable lamp, explosion protected Series 6148</p>	Portable lamp without charging unit	6148/1111-100	1.450
 <p>15754E00 Charging unit for portable lamp Series 6148</p>	Charging unit (12 ... 30 V DC and 110 ... 240 V AC, 50 / 60 Hz)	6148/0000-011	0.380
Note	- Scope of delivery of portable lamp contains a clear lense - Scope of delivery of charging unit contains a charging cable for 110 ... 240 V AC	--	--

Explosion Protection

Global (IECEX)

Gas and dust	IECEX IBE 11.0009 Ex ib IIC T4 Gb Ex tb IIIC T75°C Db
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Europe (ATEX)

Gas and dust	IBExU 11ATEX 1066 ⊕ II 2 G Ex ib IIC T4 Gb ⊕ II 2 D Ex tb IIIC T75°C Db
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Certifications and certificates

Certificates	IECEX, ATEX, Brazil (INMETRO), Russia (GOST R)
Certificate for motor vehicles	E1 10 R - 036569

Technical Data

Electrical data

Battery	lead-fleece battery, maintenance-free, 6 V, 4.5 Ah
Service life	
Battery	> 0.5 years at 50 °C > 4 years at 25 °C
LED	> 50,000 h at 50 °C

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Technical Data

Luminous characteristics

Lamps	main light, LED: 3 W secondary light, LED: 0.5 W		
Light intensity	24,000 cd		
CCT	6500 K		
Light distribution	acc. to DIN 14642		
Functions	continuous light or flashing light of the main light, continuous light of the secondary light, function of the main light continuously dimmable		
Emergency light duration	main light:	continuous duty: flashing mode:	continuously on, typical 7 h flashing up to 18 h
	secondary light:	continuous duty:	continuously on, typical 32 h
Deep discharge protection	At a residual capacity of the battery of < 10 %, the main light is automatically switched to the secondary light.		

Test function

Lamp control	When the main light is defective, the light is switched automatically to the secondary light
Battery capacity	Determination of the current battery capacity

Mechanical data

Degree of protection	IP66 (IEC/EN 60589)
Enclosure material	Polyamide, impact-strength
Head tilting	toward the front: 100°, toward the back: 90°
Pushbutton	main light ON - secondary light ON - main light FLASHING OFF
Charge state display	The LEDs indicate the available capacity for approx. 5 seconds

Ambient conditions

Ambient temperature	-20 ... +50 °C
Storage temperature	-20 ... +50 °C













Charging unit

Version	charging unit 6148/0000 (for explosion-protected portable lamps) supply voltage: 110 ... 240 V AC, 50 / 60 Hz and 12 ... 30 V DC with emergency lighting function and automatic break device for motor vehicle operation with power supply cable for 110 ... 240 V AC, 50 / 60 Hz Optionally, a charging cable for motor vehicle operation for 12 ... 30 V DC is available.		
Charging current	at room temperature: charging process		
	12 V DC	max. 170 mA	stand by
	24 V DC	max. 120 mA	power consumption < 1 W
	110 V AC	max. 90 mA	
	240 V AC	max. 60 mA	
Charging time	approx. 11 h		
Function	Charging starts upon inserting the portable lamp into the charging unit - with voltage display via green LED		
Automatic break device	In motor vehicle operation, the car battery voltage is monitored. If the voltage of the car battery drops below 11.7 V and 23.5 V with a 12 V and 24 V battery, respectively, the charging process of the portable lamp will be interrupted automatically. The automatic break device can be deactivated.		
Protection class	II (with protective insulation)		
Enclosure material	polyamide, impact-resistant, black		
Mounting	wall or table mounting		
Connection cables	charging cable 110 ... 240 V AC: approx. 1.8 m long, with Europlug, 2-pin charging cable 12 ... 30 V DC: approx. 1.8 m long, with free ends, 2-pin		
Note	Ex operation Attention! The charging units are not suitable for use in hazardous areas! Charging units must always be mounted in NON-Ex areas!		

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Accessories and Spare Parts

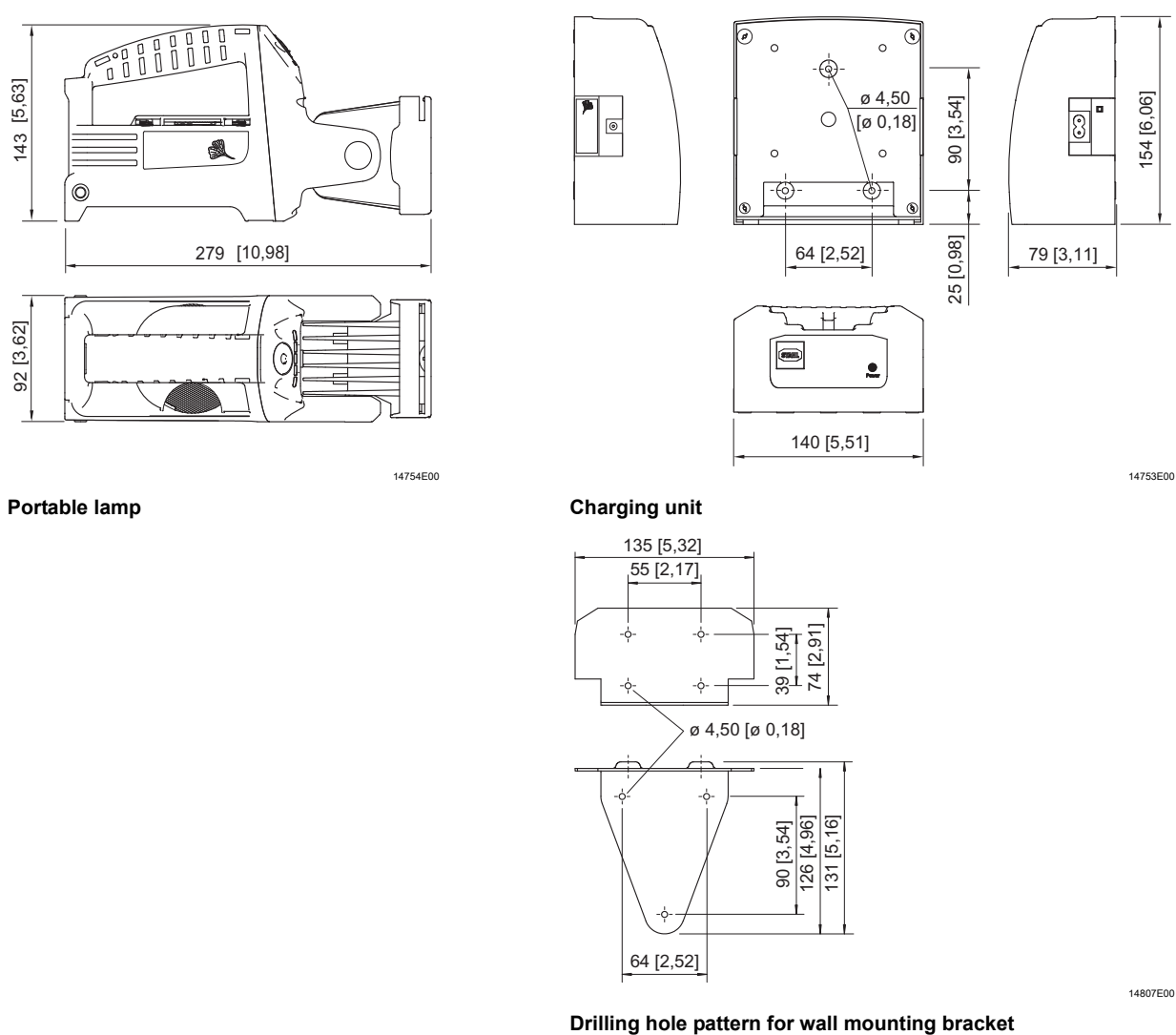
Designation	Figure	Description	Art. no.	Weight kg
Lense	 15769E00	clear	212333	0.014
	 15768E00	orange	212334	0.012
	 15770E00	red	212956	0.012
	 16228E00	green	220306	0.013
Connection cable	 10318E00	Charging cable 230 V with plug	120014	0.085
	 14806E00	Charging cable 12 / 24 V with plug	212316	0.022
Wall mounting bracket	 15078E00	for wall mounting of the charging unit	212332	0.260
Belt hook	 15075E00	for fastening the portable lamp to the belt	212331	0.040
Shoulder strap	 15077E	for carrying the portable lamp	212702	0.050
Adapter for third-party charging units	 15076E	for charging the portable lamp in the charging unit KFZ90 or LG443	212701	0.344
Battery	 14808E00	lead-fleece battery, maintenance-free, 6 V, 4.5 Ah	211124	0.720
Charging unit	 14805E00	charging unit (12 / 24 V DC and 230 V AC)	209688	0.380

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



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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.