

# Hand Lamp Series 6141/6



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**THORNE & DERRICK UK**  
TEL 0044 191 490 1547 FAX 0044 477 5371  
TEL 0044 117 977 4647 FAX 0044 977 5582



- > For alkaline batteries
- > Available in 2 sizes
- > Light source - LED
- > ATEX and IECEx certification
- > 6141/62-26 for use in IIC
- > Waterproof IP68

E2

www.stahl.de



12947E00

| Zone                   | ATEX / IECEx |   |   |    |    |    |
|------------------------|--------------|---|---|----|----|----|
|                        | 0            | 1 | 2 | 20 | 21 | 22 |
| 6141/62-26: For use in |              | x | x |    | x  | x  |
| 6141/61-16: For use in |              | x | x |    |    |    |

WebCode 6141B



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### Selection Table

| Version                                                                                       | Use in             | Rated data | For batteries<br>Pieces x version | Order number      | Weight<br>kg |
|-----------------------------------------------------------------------------------------------|--------------------|------------|-----------------------------------|-------------------|--------------|
| <br>12949E00 | Zones 1, 2         | 3 V        | 2 x AAA                           | <b>6141/61-16</b> | 0.045        |
| <br>12948E00 | Zones 1, 2, 21, 22 | 6 V        | 4 x AA                            | <b>6141/62-26</b> | 0.190        |

Hand lamps are supplied with batteries.

### Explosion Protection

| Version                    | <b>6141/62-26</b>                                       | <b>6141/61-16</b>                             |
|----------------------------|---------------------------------------------------------|-----------------------------------------------|
| Explosion protection       |                                                         |                                               |
| Global (IECEX)             |                                                         |                                               |
| Gas                        | IECEX ITS 11.0038X<br>Ex ib IIC T4 Gb                   | IECEX ITS 11.0039X<br>Ex ib IIB T4 Gb         |
| Dust                       | IECEX ITS 11.0038X<br>Ex ib IIIC T81°C Db IP68          | --<br>--                                      |
| Europe (ATEX)              |                                                         |                                               |
| Gas                        | ITS 11 ATEX 27368X<br>Ⓜ II 2G Ex ib IIC T4 Gb           | ITS 11 ATEX 27369X<br>Ⓜ II 2G Ex ib IIB T4 Gb |
| Dust                       | ITS 11 ATEX 27368X<br>Ⓜ II 2D Ex ib IIIC T81 °C Db IP68 | --<br>--                                      |
| Certificates and approvals |                                                         |                                               |
| Certificates               | IECEX, ATEX, Serbia (IZP)                               | IECEX, ATEX, Serbia (IZP)                     |

### Technical data

|                             |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical data             |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
| Version                     | <b>6141/62-26</b>                                                                                                        | <b>6141/61-16</b>                                                                                                                                                                                                                                                                                                                                                            |
| Batteries                   | 4 x Alkaline Daimon (by Duracell)<br>AA/LR6/Mignon MN 1500, 1.5 V each<br>or<br>4 x Energizer Classic AA/LR6, 1.5 V each | 2 x Duracell Plus Alkaline<br>AAA/Micro/LR03/MN2400, 1.5 V each<br>2 x Daimon (by Duracell) Alkaline<br>AAA/Micro/LR03/MN2400, 1.5 V each<br>2 x Energizer Mini Stilo Classic<br>E 92 Alkaline AAA/LR03, 1.5 V each<br>2 x Energizer Ultra AAA/LR03, 1.5 V each<br>2 x Varta Consumer Long Life Extra<br>AAA/LR03, 1.5 V each<br>2 x Varta Hi Energy AAA/LR03,<br>1.5 V each |
| Luminous Characteristics    |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
| Version                     | <b>6141/62-26</b>                                                                                                        | <b>6141/61-16</b>                                                                                                                                                                                                                                                                                                                                                            |
| Lamps                       | LED white, ~ 50 lm                                                                                                       | LED white, ~ 20 lm                                                                                                                                                                                                                                                                                                                                                           |
| Range                       | ~ 100 m, diameter 3 - 5 m                                                                                                | ~ 25 m, diameter 3 - 5 m                                                                                                                                                                                                                                                                                                                                                     |
| Service life time           | ~ 15 - 50 h                                                                                                              | ~ 10 h                                                                                                                                                                                                                                                                                                                                                                       |
| Ambient conditions          |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
| Operating temperature range | - 20 ... + 40 °C                                                                                                         | - 20 ... + 40 °C                                                                                                                                                                                                                                                                                                                                                             |
| Mechanical data             |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
| Version                     | <b>6141/62-26</b>                                                                                                        | <b>6141/61-16</b>                                                                                                                                                                                                                                                                                                                                                            |
| Enclosure material          | XAG (plastic material in accordance with < 1 GΩ ATEX)                                                                    | Polycarbonate                                                                                                                                                                                                                                                                                                                                                                |
| Degree of protection        | IP68 (3 m, 30 min)                                                                                                       | IP68 (3 m, 30 min)                                                                                                                                                                                                                                                                                                                                                           |
| Note                        | Do not open the lamp in the hazardous area!                                                                              | Do not open the lamp in the hazardous area!                                                                                                                                                                                                                                                                                                                                  |



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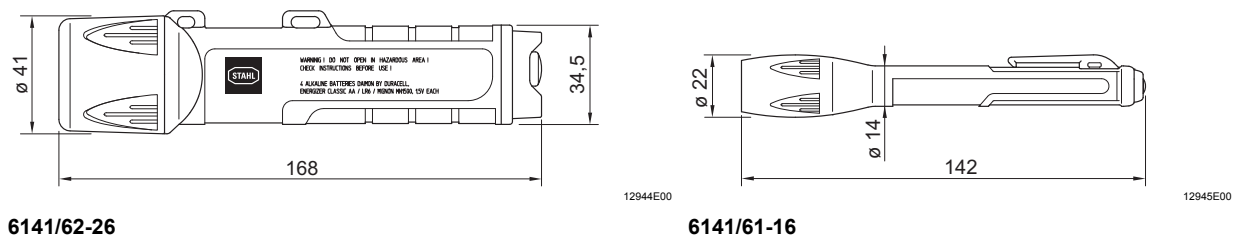


### Accessories and Spare Parts

| Designation           | Illustration                                                                                    | Description                                 | Art. no.      | Weight<br>kg |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------|---------------|--------------|
| Battery               | <br>12938E00   | for 6141/61-16 2 x Energizer                | <b>204144</b> | 0.300        |
|                       | <br>12939E00   | for 6141/62-26 4 x Energizer AA/LR6         | <b>204143</b> | 0.350        |
| Belt bag              | <br>12941E00   | for 6141/61-16 black                        | <b>204142</b> | 0.030        |
|                       | <br>12940E00   | for 6141/62-26 black                        | <b>204141</b> | 0.030        |
| Fibre optic top piece | <br>12950E00   | for 6141/61-16 Length approx. 250 mm; black | <b>203970</b> | 0.030        |
|                       | <br>12942E00   | for 6141/62-26 Length approx. 250 mm; black | <b>203969</b> | 0.025        |
| Warning light hood    | <br>12943E00 | for 6141/62-26 orange                       | <b>203968</b> | 0.050        |

E2

### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



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.



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