Emergency Light Unit
Uncompromising safety
Safety for escape routes and evacuation equipment in the event of an emergency and power failure

In the event of a power failure, the new explosion-protected GHG 664 emergency pack enables the battery-supported operation of a 70 W sodium high-pressure lamp for the duration of 1.5 hours. When used in combination with the powerful explosion-protected dTLS 85070 P floodlight, escape routes and evacuation equipment (life boats, life rafts, abseiling equipment or rescue cushions, etc.) can be safely illuminated, even from larger distances. They have been designed especially for offshore use on platforms and ships.

Both the GHG 664 emergency pack and the dTLS 85070 P floodlight are in explosion-protected design in accordance with the ATEX Directive 94/9/EC and have been approved for use in Zones 1 and 2.

The emergency pack GHG 664 features a flameproof enclosure for the electronic components and a flanged-on box in the type of protection “increased safety” that accommodates the battery and the connection terminals.

The dTLS 85070 P floodlight, which is mounted separately from the emergency pack, features a robust enclosure made of powder-coated aluminium with a borosilicate glass lens, a parabolic reflector for the 70 W sodium vapour high-pressure lamp.

Thus, for example, with a luminous spot height of 9 m, it is possible to illuminate an area measuring 15 x 15 m with 1 lx.
Technical data

**GHG 664**
- **Marking to 94/9/EC II 2 G Ex de IIC T6**
- **EC-Type Examination Certificate** PTB 07 ATEX 2002 X
- **Permissible ambient temperature** –5 °C up to +40 °C
- **Rated voltage** 220 - 240 V AC
- **Rated frequency** 50 - 60 Hz
- **Output voltage** 230 V AC
- **Power consumption (charging operation)** < 40 VA
- **Nominal output** max. 80 VA
- **Circuit** electronic converter
- **Insulation class** I
- **Battery** 2 x 12 V, 12 Ah
- **Rated operating duration (emergency operation)** 1.5 h
- **Charging duration (> 90 % C)** < 24 h
- **Degree of protection acc. to EN 60529** IP 66
- **Weight** approx. 48 kg (incl. battery)
- **Enclosure material** light alloy with powder coating, grey

**Floodlight dTLS 85070 P**
- **Marking to 94/9/EC II 2 G Ex de IIC T4**
- **EC-Type Examination Certificate** DMT 03 ATEX E 039
- **Permissible ambient temperature** –20 °C up to +50 °C
- **Rated voltage** 220 - 240 V, 50 - 60 Hz
- **Connecting terminals** L + N + PE; max. 2.5 mm²
- **Insulation class** I
- **Lamp/Illuminant** High pressure sodium lamp HST-DE 70 W
- **Lamp cap** RX7s
- **Rated luminous flux** 1) 6800 lm
- **Light efficiency in operation** 72 %
- **Degree of protection acc. to EN 60529** IP 65
- **Cable**
  - 1 x M25 x 1.5 for cables from Ø 8 - 17 mm
  - 1 x M25 x 1.5 with blanking plug
- **Weight** approx. 18 kg
- **Enclosure material** light alloy with powder coating, grey
- **Light transmitting cover** Borosilicate glass

1) depends on lamp

Ordering details

<table>
<thead>
<tr>
<th>Type</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Unit (GHG 664 incl. battery plus dTLS 85070 P)</td>
<td>GHG 660 1915 R0001</td>
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</tbody>
</table>

Lamps and fixing accessories are not included

Accessories

<table>
<thead>
<tr>
<th>Mounting bracket L218</th>
<th>Order No.</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td>Order No.</td>
</tr>
<tr>
<td>Mounting bracket L218 für dTLS 85070 P</td>
<td>GHG 690 1913 R0001</td>
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</tbody>
</table>
Dimension drawing | Polar curve

2 ring bolts (optional)

Polar curve
dTLS 85070 P

Dimensions in mm
Light for your safety

Safety technology has absolute priority on offshore installations, supply ships and oil or gas tankers, because, when an alarm is raised, often only seconds decide whether or not the crew will survive. Thus, all the protective devices must always be fully functional. This is no easy task, as the ambient conditions on the high seas are often extremely harsh with storms, seawater and extreme vibrations caused by the engines and the movements of the ship. In addition to this, the explosion protection of the Zone 1 hazardous areas must be guaranteed at all times.

For this reason, battery-supported emergency lighting systems that provide a reliable and safe source of light in the event of the failure of the main power supply are used for the illumination of the life-saving evacuation equipment.

To help you overcome this challenging task, Cooper Crouse-Hinds GmbH has the optimal solution, the GHG 664 emergency pack combined with the proven and tested dTLS 85070 P floodlight for sodium high-pressure lamps. The powder-coated surface of the enclosure in the high degree of protection IP 65/66 provides optimum protection against aggressive seawater. Thanks to the minimum emergency lighting period of 1.5 hours, a safe illumination for the duration of the evacuation is guaranteed. Both components of the emergency unit are optimally coordinated and approved for use in potentially explosive gas atmospheres in Zones 1 and 2. The powerful dTLS 85070 P floodlight is capable of safely illuminating escape routes – evacuation equipment such as life rafts, abseiling equipment or rescue cushions – from a large height. For example, an area measuring 15 x 15 metres can still be supplied with 1 lx from a distance of 9 meters, whereby the maximum illumination in the centre (4m x 4m) even reaches more than 100 lx.

Emergency unit – the advantages at a glance:

- Easy installation and maintenance due to modular design
- Ex-e enclosure with generously dimensioned terminal compartment and accommodation of battery.
- Choice between continuous and standby lighting circuits.
- A built-in switch allows the switching on/off of the floodlight during mains and emergency operation.
- The emergency pack features an optical display for the “mains” and “output”.
- For ambient temperatures from -20°C to +50°C (dTLS).