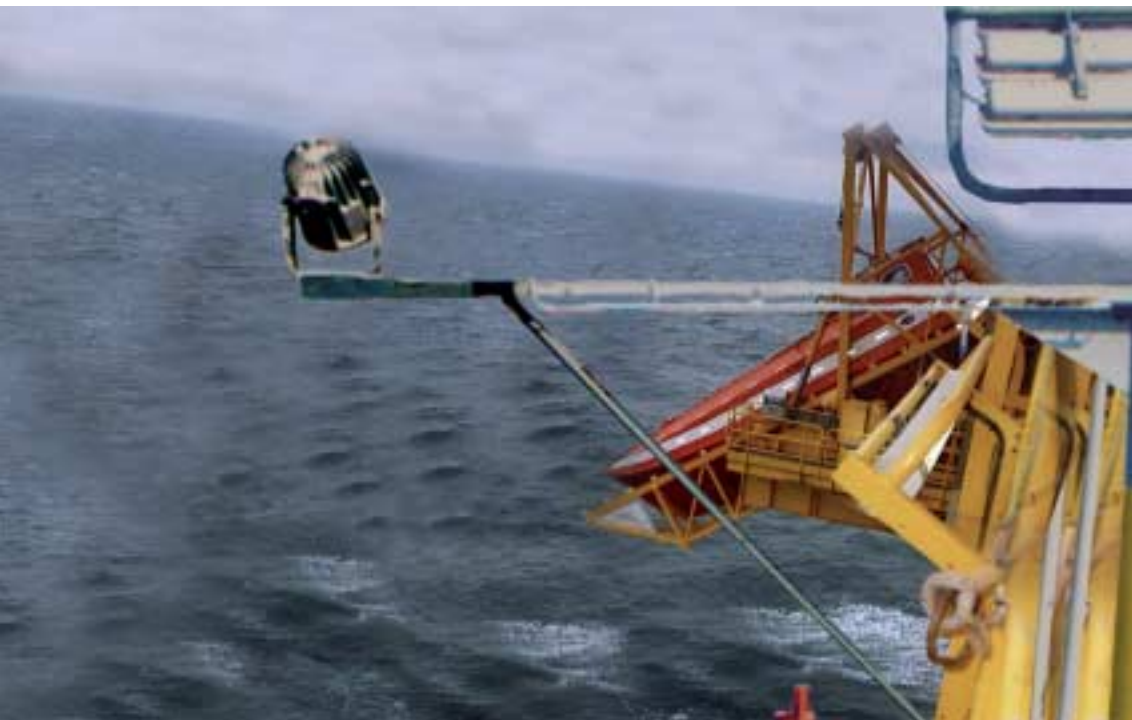


Emergency Light Unit

Uncompromising safety

 **COOPER** Crouse-Hinds



E m e r g e n c y U n i t

Explosion-protected, modular GHG 664 emergency lighting supply unit with explosion-protected dTLS 85070 P floodlight for high-pressure lamp

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.

- **Suited for use on offshore platforms and ships**
- **Safe light for evacuation equipment in hazardous areas**
- **Emergency lighting duration of 1.5 hours in the event of a power failure**
- **Large Ex-e connection box to facilitate installation**
- **Maintenance-friendly due to simple replacement of lamps and batteries**
- **Continuous and standby light with switching-off device**



| Emergency Unit |



GHG 664

dTLS 85070 P

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 EEx 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 mm ²
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

Type	Order No.
Emergency Unit (GHG 664 incl. battery plus dTLS 85070 P)	GHG 660 1915 R0001

Lamps and fixing accessories are not included

Accessories

Mounting bracket L218

Type	Order No.
Mounting bracket L218 für dTLS 85070 P	GHG 690 1913 R0001

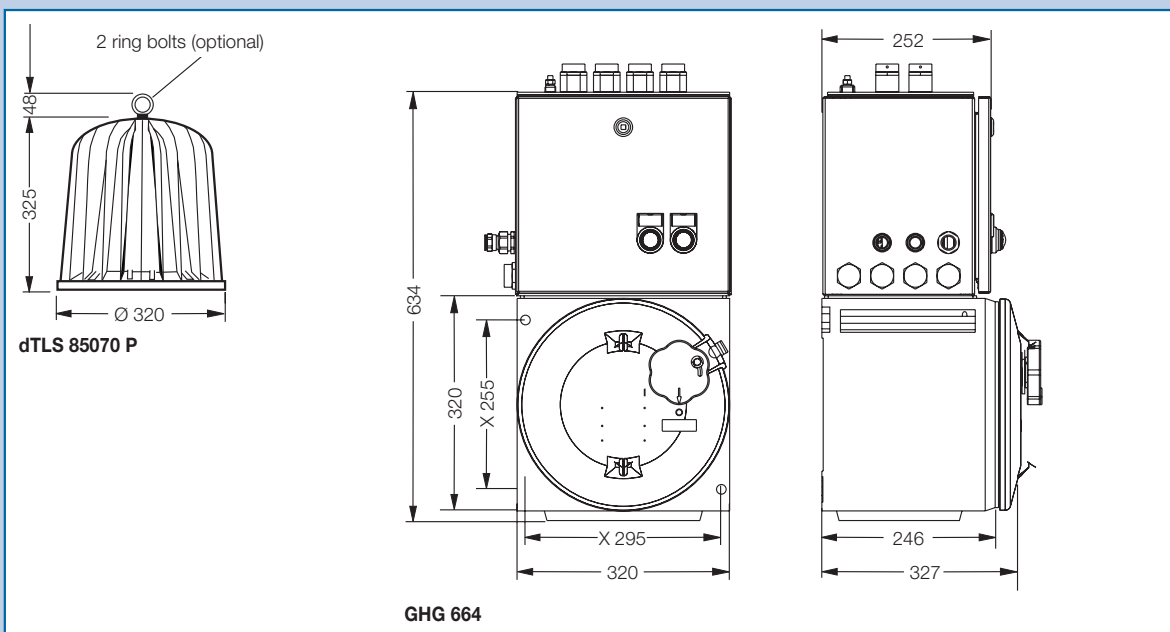
| Emergency Unit |



GHG 664

dTLS 85070 P

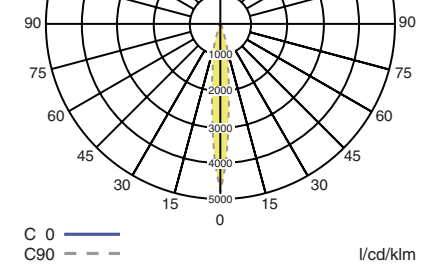
Dimension drawing | Polar curve



dTLS 85070 P

GHG 664

**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).



Cooper Crouse-Hinds GmbH

Neuer Weg – Nord 49
D-69412 Eberbach
Phone +49 (0) 6271/806-500
Fax +49 (0) 6271/806-476
Internet www.ceag.de
E-mail info-ex@ceag.de

Cooper Crouse-Hinds (UK) Ltd.

Unit G, Quinn Close
Seven Stars Industrial Estate
Whitley
GB - Coventry CV 3 4LH
Phone +44 247-630-89 30
Fax +44 247-630-10 27
E-mail sales@ceag-crouse-hinds.co.uk

Cooper Crouse-Hinds S.A.

Avda. Santa Eulalia, 290
E - 08223 Terrassa
Barcelona
Phone +34 (0) 9-37362710
Fax +34 (0) 9-37835055

Cooper Crouse-Hinds B. V.

Sydneystraat 74
NL - 3047 BP Rotterdam
Phone +31 (0) 10-2452145
Fax +31 (0) 10-2452121
E-mail mail@ceag.nl

COOPER Industries Crouse-Hinds Division

Wolf 7th North Streets
P. O. Box 4999
USA - Syracuse, NY 13221
Phone +1 (0) 3-154777000
Fax +1 (0) 3-154775717
E-mail crouse.customerctr@crouse-hinds.com
Internet www.crouse-hinds.com

Cooper Crouse-Hinds Norge A/S

Husebysletta 9
N - 3412-Lierstranda
Phone +47 32-244600
Fax +47 32-244646
E-mail info@ceag.no

Cooper Crouse-Hinds LLC

Office No. M1
Sultan Hareeb Building
P.O. Box 30861
UAE Al Jadaf, Dubai
Phone +971-4-3241519
Fax +971-4-3241640
E-mail rfq@ceagme.ae

Branches of Cooper Crouse-Hinds Pte Ltd.

28 Floor Yu An Building
738 Dong Fang Road
Pudong Shanghai 200122, P.R. China
Phone +86 (0) 21-5831 6805
Fax +86 (0) 21-5831 6762
E-mail sales@cchspore.com.sg

Cooper Crouse-Hinds Pte. Ltd.

2 Serangoon North Avenue 5
Fu Yu Building #06-01
SGP - 554911 Singapore
Phone +65 (0) 6297-4849
Fax +65 (0) 6297-4819
E-mail sales@cchspore.com.sg
Internet www.cchspore.com.sg/

©2008 Cooper Crouse-Hinds GmbH

Cooper Industries, Ltd.
600 Travis, Ste. 5800
Houston, TX 77002-1001
P: 713-209-8400
Internet www.cooperindustries.com