



Handlamp/Emergency light fitting for Zone 0

Ex Lighting System

TX/CX 40

Multifunctional, inductive, safe!

 **COOPER** Crouse-Hinds



Explosion protected for Zone 0, 1 and 2:

Safety first

The charger and the torch are continuously checked and any faults are indicated by means of an LED. The intelligent charging routine allows a gentle and optimum charging of the battery, thus guaranteeing the high charge density and long service life of the rechargeable batteries.

More light

In spite of the low power requirement, the highly efficient and impact resistant LED lighting technology provides a very high luminous intensity. Together with a 4° lens and the reflector, the 3W high efficiency LED produces a bright and uniform light flux of 200 lumen, thus ensuring an optimum illumination of the work area.

Contact-free charging system

The charging system features an inductive coupling system. When plugged into the charger, the torch is contact-free charged by induction. Thus, insufficient contact and corrosion of the contacts due to environmental influences are completely eliminated. Moreover, this technology also provides an enhanced protection of the system, which means that the charger can be mounted and operated in Zone 1, while the torch can also be operated in Zone 0.

Safety lighting included

If the power supply of the charger fails, the emergency lighting function switches the torch in it on automatically – regardless of the position of the switch. Optionally, to ensure that the torch is always in its place, there is a seal point for securing the torch in the charger. Thus, this innovative lighting system can also act as an essential part of stationary safety installations.

One system – many possibilities

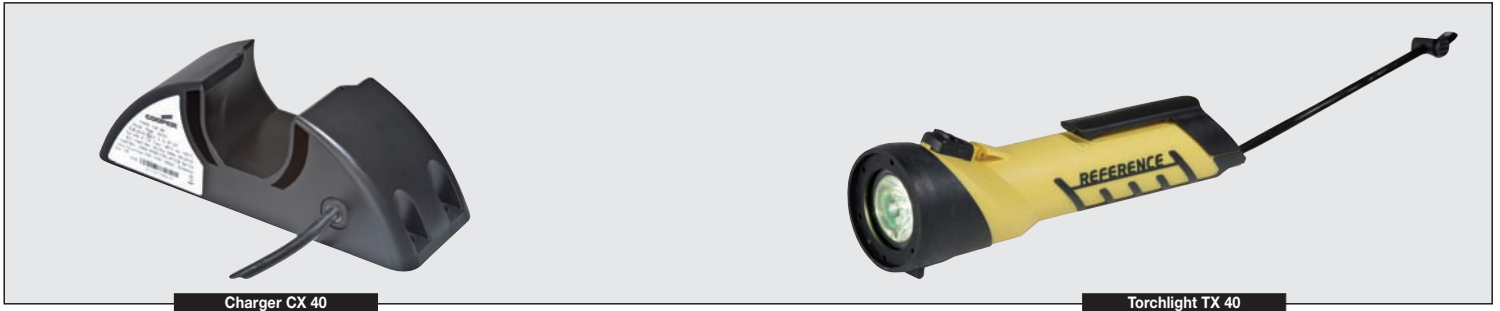
The TX/CX 40 lighting system is the ultimate, multifunctional lighting solution for use in hazardous areas. Thanks to the improved operating properties, the reduced maintenance requirements and the special features of an emergency lighting unit, this versatile lighting system is ideal for operation in almost all hazardous areas.

- For Ex Zones 0, 1 and 2
- Operating cycle ca. 5 hours
- High light output due to Power LED
- Maintenance-free rechargeable battery
- Emergency lighting function
- Inductive charger for Ex Zone 1
- Enhanced protection against environmental influences due to encapsulation of power supply
- Deep-discharge protection
- High degree of protection IP 67



The Lighting System TX/CX 40

COOPER Crouse-Hinds



Charger CX 40

Torchlight TX 40

Technical Data

Torch light TX 40

Marking to 94/9/EC	⊕ II 1 G Ex ia IIC T3
EC-Type Examination Certificate	DNV-2008-OLS-ATEX-38719
Permissible ambient temperature	-40 °C up to +60 °C
Lamp	High efficiency LED, 3 W
Luminous flux	200 lm
Operation time	ca. 5 h
Indication lamps	LED (red and green)
Degree of protection accd. EN 60529	IP 67
Enclosure material	Plastic yellow/black
Weight	0.6 kg
Dimensions (L x W x H)	230 x 70 x 70 mm
Light aperture	Polycarbonate with 4° Lens / hardened scratch resistant glass 3 mm

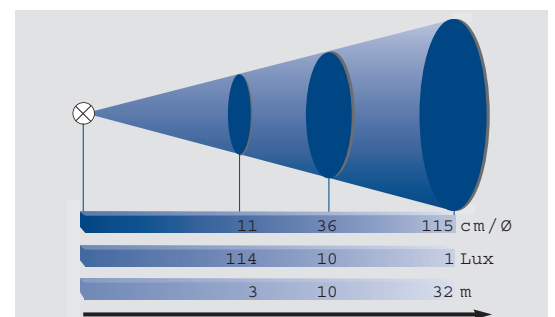
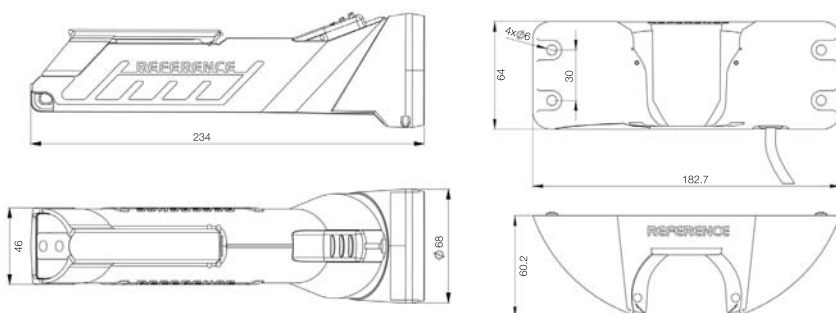
Charger CX 40

Marking to 94/9/EC	⊕ II 2 G Ex mb II T4
EC-Type Examination Certificate	DNV-2008-OLS-ATEX-38719
Permissible ambient temperature	-40 °C bis +60 °C
Rated voltage	100 - 250 V, 50/60 Hz
Rated current	1,0 A max.
Insulation class	II
Charging duration	ca. 3 h (80% in 2 h)
Degree of protection accd. EN 60529	IP 67
Standard cable length	2.0 m
Dimensions (L x W x H)	185 x 65 x 60 mm
Weight	0.6 kg

Ordering details

Type	Scope of delivery	Order No.
TX 40 and CX 40	Torch light and charger	1 1380 000 003
TX 40	Torch light	1 1380 000 001
CX 40	Charger	1 1380 000 002

Dimension drawing | Range-Diagram



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