

Centurion



Intrinsically Safe Head Light

Model: EX-2680

Factory Code: 330619

HS Code: 8536610000

II 2G ib op is IIC T4 Gb

II 2D ib op is IIIC T130°C Db



Technical Detail:

- Type of Protection: "ib" Intrinsically safety,
- Areas of Classification (Gases): Zone 1 and 2, Gas Groups: IIA, IIB, and IIC
- Areas of Classification (Dusts): Zone 21 and 22, Dust Groups: IIIA, IIIB, and IIIC
- Temperature Classification (Gases): T4
- Temperature Classification (Dusts): 130°C
- Ambient Temperature: -20°C ~ + 40°C
- Beam Type: Spot
- Beam Distance: 76 Meters
- Output: 100 Lumens (*effective lumens*)
- Light Duration: Up to 8 hours
- Light Source Type: LED bulb
- Power: 6V 1.8W
- Power Source: 4 X LR6(AA) Alkaline batteries
- Ingress Protection: IP68
- Impact Resistant: 1.8 Meters
- Product Weight: 173g (without batteries)
- Dimension: 102*91*57mm
- Packing: 40 pieces per carton, size: 49*23*42cm

Integrating Sphere for checking the effective lumen



This EX-2680 Intrinsically Safe Headlamp is ATEX Directive certified for safe use in hazardous locations in zones 1, 2, and zones 21, 22. IP68 waterproof and dustproof.

The tilt adjustment mechanism of the headlight allows the user to angle the light and the bespoke optics provide a wide beam suitable for close-range hands-free tasks and is designed for one-hand switching. Equipped with an adjustable removable fabric headband and rubber band makes it suitable for different types of helmets.

*Helmet is sold separately.



Effective Lumens is a measure of the actual output of light; it takes into consideration electrical and real-world losses (ex. Thermal, optical, and assembly), so it is the best of produced.

Reference link: <https://www.jwspeaker.com/blog/raw-lumens-vs-effective-lumens/>