

The HL180 Zone 0 Flashlight is a battery powered, light-weight, handheld flashlight certified for safe operation within ATEX/IECEX Zone 0, Zone 20, Zone I, Zone 21, Zone II and Zone 22 potentially explosive atmospheres. Able to use within a T4 classification, the torch delivers a combination of spotlighting (for long distance illumination) and floodlighting (for short distance illumination).



The flashlight has three modes that are easily selected by the rotating switch: low; high; and flashing. In the 'high' mode the flashlight delivers an output of 180 lumens for up to 11 hours 10 minutes. The 'low' setting decreases the lumens to 70 but greatly increases the operation time up to 36 hours. The spotlight provides a focused beam using a 12° optic with a distance of 116m (high) and 72m (low) respectively. The floodlight beam is provided with a 46° optic to give an even light source over a distance of 26m (high) and 16m (low).

The moulding incorporates a safety lock which prevents accidental operation of the twist switch. A grub screw fastener is present to lock the head of the flashlight into place to prevent unauthorised access and users changing the battery whilst located in the hazardous area. The batteries are only to be changed out whilst the user is in a designated safe area. The lightweight construction (143g) ensures that the product is easily handled and carried across the workplace. The complete design and build is approved by DEMKO and UL to the following standards: 60079-0:2012+A11:2013; 60079-11:2012; 60079-26:2007; and 50303:2000.



TECHNICAL DATA	
Area of Use:	Zones 0, I and II (Gas), Zones 20, 21 and 22 (Dust)
EX Marking (Gas):	EX II 1G Ex ia IIC T4 Ga
EX Marking (Mining):	EX I M1 Ex ia I Ma
ATEX Certificate:	DEMKO 15 ATEX 1467X
IECEX Certificate:	IECEX UL 15.0046X
Protection Concepts:	ia - Intrinsic Safety
NATO Codification:	NSN: 6230-99-752-1880
Light Output:	High: 180 Lumens Low: 70 Lumens
Light Source:	1x LED
Light Duration:	High: 11hours 10 minutes Low: 36 Hours
Battery Type:	4x AA: Alkaline or Ni-Mh Rechargeable
Battery Capacity:	2300mAh
Spotlight Distance:	High: 116 metres Low: 72 metres
Spotlight Beam Angle:	12°
Floodlight Distance:	High: 26 metres Low: 16 metres
Floodlight Beam Angle:	46°
Ingress Protection:	IP67
Operating Temperature Range:	-20°C to +40°C
Weight:	143g (Excludes Batteries)
Dimensions:	184mm x 52mm x 52mm