

BURNBRITE

ISLED HIGH OUTPUT HAZARDOUS AREA LIGHT

PRODUCT BROCHURE



THE SOLUTION

Focussed on delivering a solution that can be easily retrofitted or installed as part of an automated system with cameras, Burn Brite has developed a new high output IS LED light.

SUITABLE APPLICATIONS

This High Output IS LED has been trialled in an underground mine and proven its performance under actual operating conditions.

The light is ideally suited for machine vision and camera installations as the beam angles match typical camera FOV.

As mine sites look to a more automated approach to monitor and control operations at the longwall face, the need for suitable, wide beam lighting is critical.

With a growing number of mining operations looking to embed cameras to live stream conditions back to the control centre, the surrounding environment must be adequately lit to ensure the quality of the images.

The LED light features moulded high impact strength, static dissipative and fire retardant nylon, with a clear visor moulded in polycarbonate. It includes 'O' rings for moisture protection and is encapsulated to prevent moisture ingress and assist in heat dissipation.

The low profile lights are magnetically mounted for ease of replacement, with optional secondary securing through roof welded pins and 'R' clips, or a stainless steel wire lanyard.

FEATURES

- Six high intensity, long life LEDs
- Low profile, magnet mounts
- Compact enclosure
- Anti-static moulded plastic body
- Stainless steel backing plate
- Secondary mounting holes
- Cables fitted with Amphenol or Deutsch plugs

Compared to the original IS LED:

- 100% increase in lumens, 25% increase in peak intensity and 22% increase in beam angle
- Increased lumens and beam angle achieved with no increase to input power
- Identical electrical and mechanical parameters retained resulting in no major changes to circuits or power requirements
- Can be fitted with a new tilt bracket with +/- 60° movement to aid in mounting and adjustment

OPTIONAL ACCESSORY

TILT BRACKET

The new tilt bracket allows 120 degree movement to direct the light required whilst providing magnetic mounting on the same footprint as the IS LED.

SPECIFICATIONS

Certificates / Approvals

IECEX Certificate Number IECEx TSA 08.0042X Ex ia I

Electrical

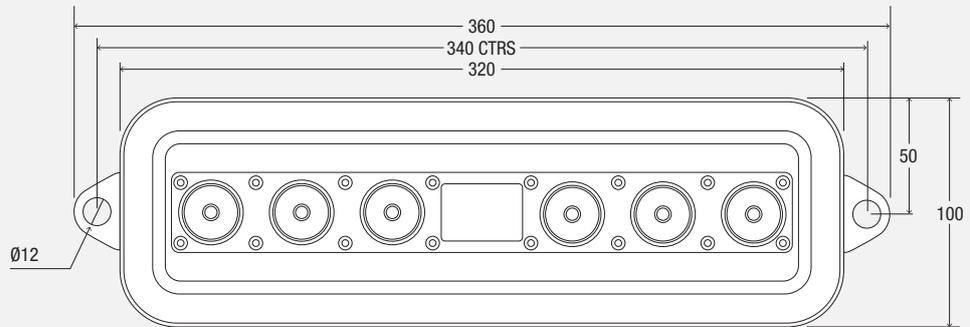
Light LED
 Voltage 12VDC
 Current 510mA
 Power 6.1W

Photometric - White Only

Intensity 203 Cd [pk]
 Illuminance 50 lux (at 2m)
 Beam angle 110°
 Colour temperature 6,000K

Mechanical and Environmental

Dimensions (L x W x H)



Mass 1200g
 Ingress protection IP66
 Operating temperature $-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Description	Item Number	
	Amphenol	Deutsch
High Output IS LED - White	181468	190437
High Output IS LED - Green	191774	191865
High Output IS LED - Red	190952	190526



**ACCESSORY:
120° TILT BRACKET**



**INTRINSICALLY SAFE
JUNCTION BOX**