

- ⚡ **High Intensity**
- ⚡ **High efficiency LED technology**
- ⚡ **Low profile**
- ⚡ **Magnetic or bolt mounting**
- ⚡ **Intrinsically safe**
- ⚡ **Long life**



DESCRIPTION

The intrinsically safe luminaire type SS11-6L is part of the Austdac area lighting system type LLS1 that is designed to provide plant and area illumination in underground coal mines. The SS11-6L finds application on longwalls, around load centres and on machinery such as road headers, continuous miners and roof bolters for general area illumination.

The SS11-6L luminaire uses high efficiency LED technology to provide both a compact low profile form factor and a long life maintenance free area illumination solution.

The luminaire can be powered from a general-purpose intrinsically safe 12V power supply or UPS such as the Austdac AC36W or 12/NMH/288.

The SS11-6L luminaire is provided with an integral 10m long cable, which is terminated with a connector suitable for plugging into the lighting junction box type LJB1. A maximum of four luminaires type SS11-6L can be plugged into a lighting junction box type LJB1. The integral cable can be factory customized to lengths less than 10m to suit customer needs.

The sealed construction of the luminaire provides an ingress protection rating of IP66.

The SS11-6L can be mounted by the integral high strength magnets or may be bolted in place using the two external 12mm mounting holes. These two simple

mounting alternatives make the SS11-6L particularly suited for use as longwall area lighting as the lighting system can be quickly removed during longwall relocations.

The six LED luminaire provides a high intensity, cool white, 90° beam of light with a maximum intensity of 80 candelas and a luminance of 20lux at 2m to illuminate the area or plant.

Each SS11-6L luminaire draws a maximum of 300mA at 12V.

CERTIFICATION

The luminaire type SS11-6L is IECEx certified for use in group I hazardous areas as part of the LLS1 LED lighting system certification

IECEx TSA 12.0034X Ex ia I Ma or Ex ib I Mb

SPECIFICATION

GENERAL

Name	Luminaire LED
Type	SS11-6L
Mounting	M12 @ 338mm centres
Size	103mm (H) x 360mm (W) x 20mm (D)
Mass	950g
Electrical connections	Integral cable and plug
Maximum cable length	10m
Ingress protection	IP66
Operating temp range	-20°C to +40°C

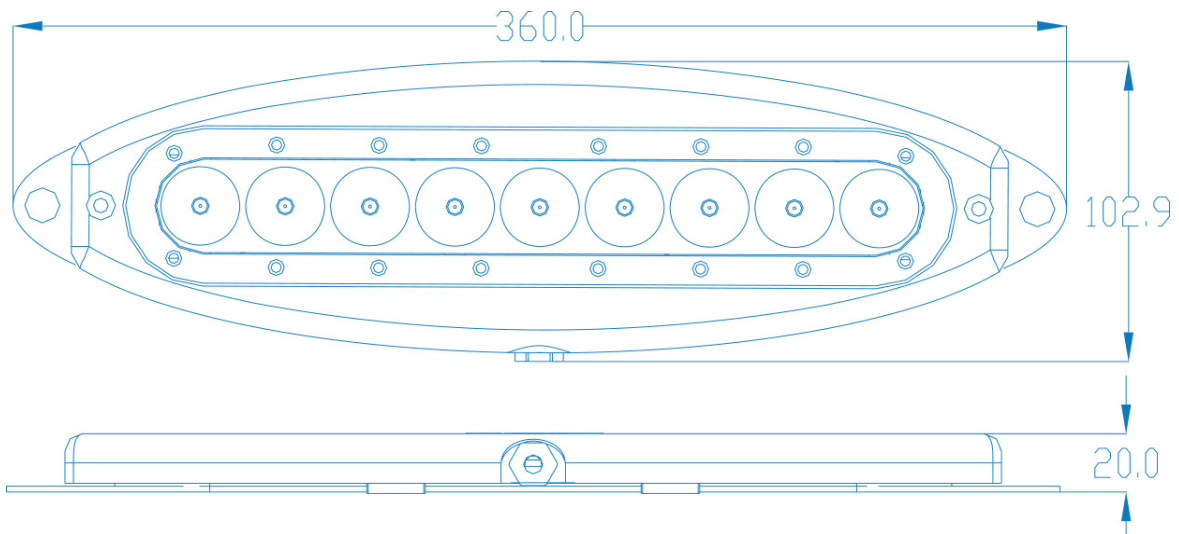
POWER SUPPLY

Operating voltage	10.0 – 16.5Vdc
Current	300mA
U _i	16.5Vdc
I _i	1.5A
C _i	0uF
L _i	0uH

PHOTOMETRICS

Intensity	80Cd(pk)
Luminance	20lux @ 2m
Beam angle	90°
Colour temperature	5000-6700°K

DIMENSIONS



ORDERING DETAILS

DESCRIPTION	ORDER CODE
LED LIGHT HEAD LUMINAIRE TYPE SS11-6L	LLS001



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