



FORMULA SEVEN

FORMULA SAE COMPONENTS

Brake Light Datasheet

Data

Ultra bright Motorsport LED Red Light

Waterproof Construction

RoHS Compliant

Meets MSA requirements

Integral mounting bosses

Low power consumption

Pre wired with inline resistor for over voltage protection

Housing is 52mm diameter and 48mm tall

The mounting base is angled allowing fitment to most bodywork profiles

Weight

50 grams

Super Bright 52mm LED Rain Light

Features

- WATERPROOF CONSTRUCTION.
- RoHS COMPLIANT.

Package Dimensions

Description

Super Bright Motorsport Rain Light made with Gallium Aluminium Arsenide Red Light Emitting Diode.

The drawing includes a perspective view of the diamond-shaped housing with a 45-degree angle and a diameter of 52mm (2.05 inches). A side view shows a height of 43mm (1.7 inches) and a mounting base with a 10-degree angle. A detail view shows the LED array with a diameter of 5mm (0.197 inches) and a pitch of 52mm (2.05 inches). A bottom view shows mounting holes with diameters of 3.5mm (0.138 inches) and 4mm (0.157 inches), and a central hole of 3mm (0.118 inches). Other dimensions include 48.5mm (1.9 inches) for the overall height, 41.5mm (1.63 inches) for the mounting base height, 6mm (0.236 inches) for the mounting hole offset, and 12mm (0.472 inches) and 15mm (0.591 inches) for internal features.

Electrical Connection
 Red Wire: Positive (+)
 White Wire: Negative (-)

Voltage
 12-14.5V DC

Please Note:
 Unit will be damaged by supply voltage over 14.5V and/or reverse polarity connection.

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subjected to change without notice.