

Technical details

LED Road Stud unidirectional

ONE-WAY



Dimensions

Ø160mm H: 88.6mm (Ø6 5/16" H: 3 1/2")

Height above road surface

8.6mm (11/32")

Material

Aluminum ground fitting with corrosion-resistant insert made of salt and snowplow resistant stainless steel with polycarbonate lenses for LED

Protection category

IP 68
IK 10

Light Unit

Standard LED: 8 LEDs (5mm)
High-power LED: 4 power LEDs

Beam angle

Standard-LED: 15°
High-power LED: 16°

Light colors

Daylight white, warm white, red, orange, green, blue

LED service life

100,000 h (manufacturer specification)

Light-control features

In connection with Road Stud Control controller, various sensors can be used: real-time operating hours, motion sensor, dimmable, external control signals via RS232, RS422, RS485, USB, SPI, ETHERNET, RF433/686/915 MHZ, LORA, LORAWAN

Areas of application

Unidirectional hardwired road stud for

- marking hazards, traffic islands, roundabouts, bicycle paths
- entry lighting
- traffic guidance systems
- adaptation lighting
- marking of pedestrian crossings

Highlights

- Robust construction for harsh conditions (salt, chemicals, weather exposure)
- Silicone-free junction sealing for faster and cleaner maintenance
- Installation accessory for easy leveling
- Visibility distance up to 1 km
- Ready for snowplow machines

Load capacity

Up to 120 tons – snowplow-proof

Voltage

Standard LED: 12V DC, 24V DC or 230V AC
High-power LED: 24V DC

Energy consumption

Standard LED: 80mA
High-power LED: 280mA

Connection cable

Standard LED: 2-core 2 × 0.75mm²
High-power LED: 3-core 3 × 0.75mm²
3m included

Operating temperature

-25 °C to +85 °C (-13 °F to +185 °F)

Certifications

CE, polycarbonate UL 94 V0

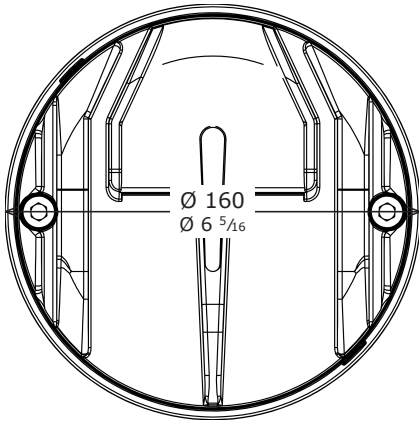
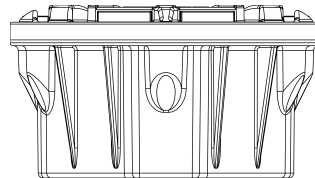
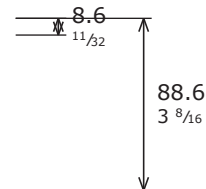
Weight

3 kg (6.6 lbs)

Dimensions/article numbers

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Dimensions in mm, inches underneath

Product Number



Model

71 = Road Stud One-Way, unidirectional

Light Color

02 = red
03 = amber
05 = green
07 = blue
08 = daylight white (5500K)
09 = warm white (2700K standard LED, 3500K power LED)

Version

1 = standard LED, 12/24 V DC
2 = high-power LED, 24 V DC
3 = standard LED, 230 V AC

Operating mode and power supply

The luminaire is identical in every operating mode. Steady light is the standard mode. Flashing and sequential operation are generated by the external controller and do not change the product number.

12 V DC and 24 V DC are set by the driver, the luminaire is the same. Only the 230 V AC version is a separate luminaire, because it has a supply cable with protective earth and can only be operated in steady mode.

Drivers and controllers are ordered separately, see price list.