

Technical details

LED Road Stud

STARWAY



Dimensions

Ø190mm H: 95.2mm (Ø7 ½" H: 3 ¾")

Height above road surface

15.2mm (19/32")

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

STARWAY: 24 LEDs, 5mm type

STARWAY P: 8 power LEDs

Beam angle

STARWAY: 15°

STARWAY P: 16°

Light colors

Daylight white, red, orange, green, blue
One light color per luminaire

LED service life

100,000 h (manufacturer specification)

Light-control features

Standard mode of operation: steady.
Flashing or sequential operation
available via external controller.

Areas of application

Omnidirectional (360°) hardwired road stud for

- airports and areas with heavy vehicle traffic
- marking hazards, traffic islands, roundabouts
- entry lighting
- traffic guidance systems
- marking of pedestrian crossings

Highlights

- 360° lighting
- High visibility even in adverse weather
- Robust construction for harsh conditions
- Ready for snowplow machines
- Silicone-free junction sealing for faster and cleaner maintenance
- Can be powered by mains or solar energy

Load capacity

Stainless steel: 135 tons verified by external lab,
up to 160 tons per manufacturer's own approval
– snowplow-proof

Voltage

STARWAY: 12V DC or 24V DC or
230V AC

STARWAY P: 24V DC

Energy consumption

STARWAY: 160mA (12V DC / 24V DC)

45mA (230V AC), max. 9.5W

STARWAY P: 200mA

Connection cable

2 × 1.5mm², up to 3 × 1.5mm² possible

Operating temperature

-25 °C to +85 °C (-13 °F to +185 °F)

Certifications

CE, polycarbonate UL 94 V0

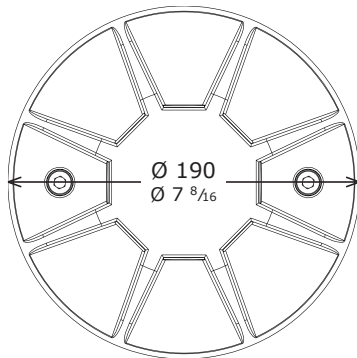
Weight

Stainless steel: 3.2 kg (7.1 lbs)

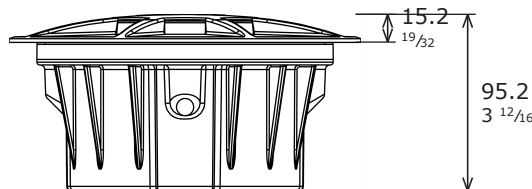
Dimensions/article numbers

LED Road Stud

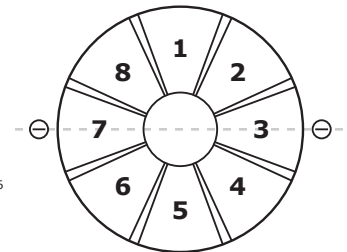
STARWAY



Dimensions in mm, inches underneath



Segment numbering



Segment 1 at the top, numbered clockwise. Screws in the centre of segments 3 and 7. Depending on the layout the cable exits in segment 1, 3, 5 or 7, see page 3.

Product Number

73	08	1	1	X
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Model

73 = STARWAY, omnidirectional 360°

Light Color

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

Cable layout

1 - 9 = cable outlet layout,
see page 3

Version

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

Segments

X = all eight segments (360°)
otherwise the equipped segments,
separated by hyphens, e.g. 1-3-5-7
numbering see graphic above

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.

Rev. 1 · 08/2026

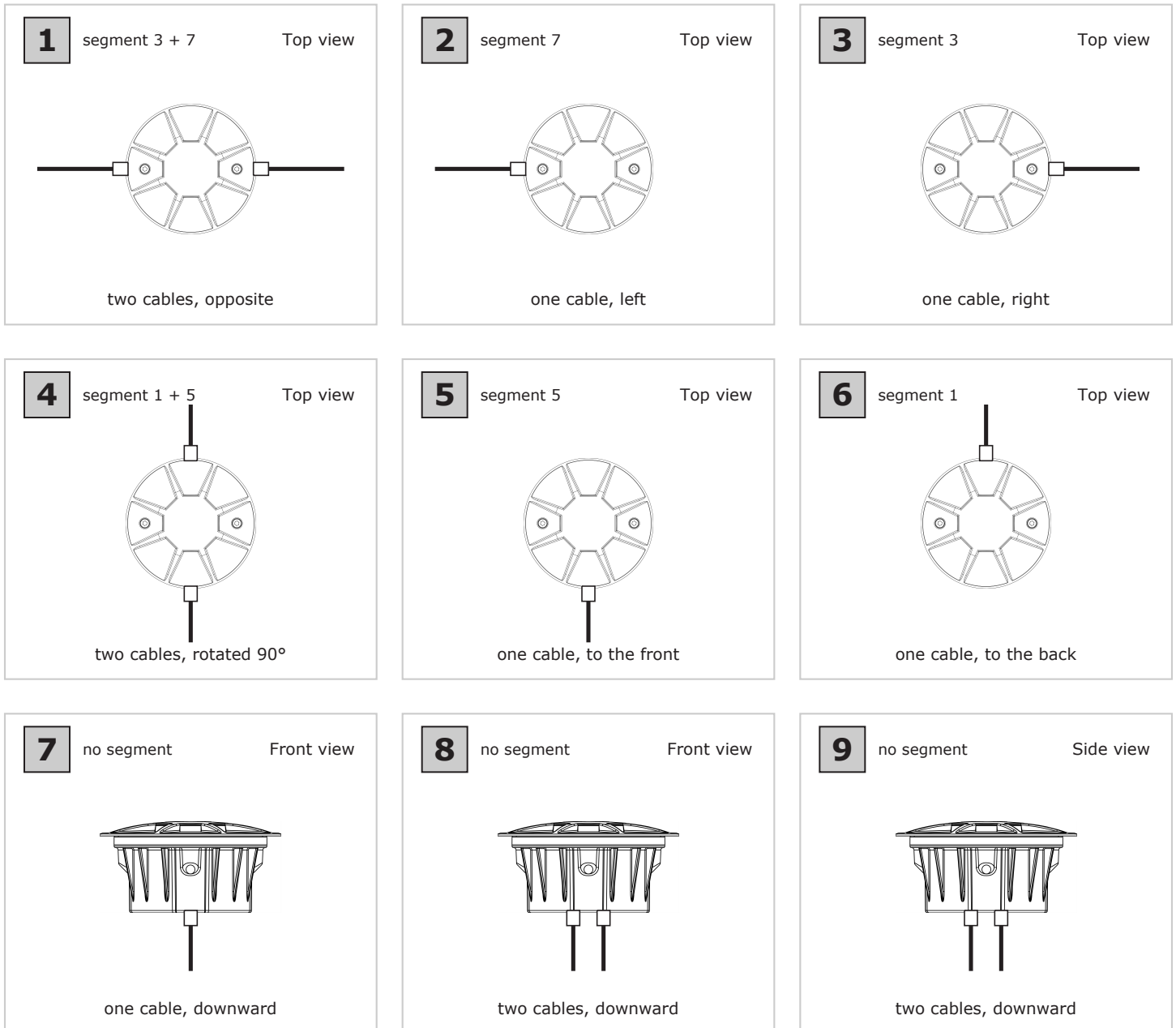
Cable layouts

LED Road Stud

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Nine cable outlet layouts are available. The digit on the left is the cable layout digit of the product number, next to it the segment the cable exits at.



Cable $2 \times 1.5\text{mm}^2$, up to $3 \times 1.5\text{mm}^2$ possible. A segment can be equipped even if the cable exits there.