

Technical details

# SOLAR FORCE



## Dimensions

Ø161mm H: 59mm (Ø6 3/8" H: 2 5/16")

## Height above road surface

10mm (3/8")

## Material

Aluminum ground socket with corrosion-resistant insert made of stainless steel alloy or aluminum, each with polycarbonate lens for LED

## Protection category

IP 68

IK 10

## Light Unit (replacable)

Unidirectional: 3 LED

Bidirectional: 6 LED

## Beam angle

15°

## Light colors

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

## Light-control features

- Built-in light sensor for automatic activation when it gets dark
- Programmable operating and rest times
- Automatic synchronization for flashing mode via GPS

## Weight

Stainless steel: 3 kg (6.6 lbs)

Aluminum: 2 kg (4.4 lbs)

## Areas of application

Unidirectional or bidirectional

Solar Road Stud for

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

## Highlights

- Low light emission in natural areas, as operating times, e.g. from 11 p.m. to 5 a.m., can be restricted (programmable before delivery)
- Deep discharge protection function

## Load capacity

Stainless steel: 60 tons - snowplow-proof

Aluminum: 30 tons

## Charging requirements

Capacitor version:

- Charges faster, less autonomy; suited for hot climates with strong sunlight.
- 4 hours of direct sunlight per day

Battery version:

- Min. 5-year lifetime under standard conditions; better for limited daylight.
- Built-in battery initially requires two sunny days to fully charge and then at least 4 hours of sunlight per day and two sunny days every 12 months

## Operating life

Capacitor version:

- 25h continuous light or 38h flashing

Battery version:

- 750h continuous light or 1150h flashing

## Operating temperature

-25 °C to +85 °C (-13 °F to +185 °F)

## Mode of operation

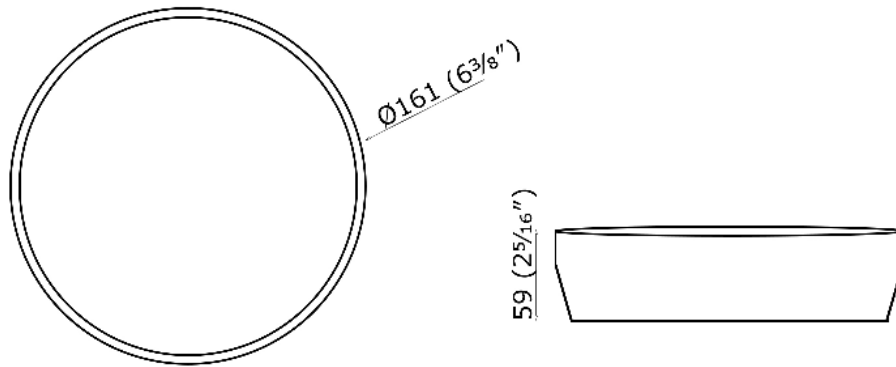
continuous or flashing

## Certifications

CE, polycarbonate UL 94 V0

Dimensions/article numbers

# SOLAR FORCE



## Product Number

<b>62</b>	<b>1</b>	<b>08</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>2</b>
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**Model**  
62 = Solar Force

**Light Distribution**  
1 = unidirectional  
2 = bidirectional

**Light Color Right Side**  
00 = none  
02 = red  
03 = orange  
07 = blue  
08 = daylight white (5500K)  
09 = warm white (3000K)

**Light Mode**  
1 = Steady  
2 = Flashing

**Light Color Left Side**  
02 = red  
03 = orange  
07 = blue  
08 = daylight white (5500K)  
09 = warm white (3000K)

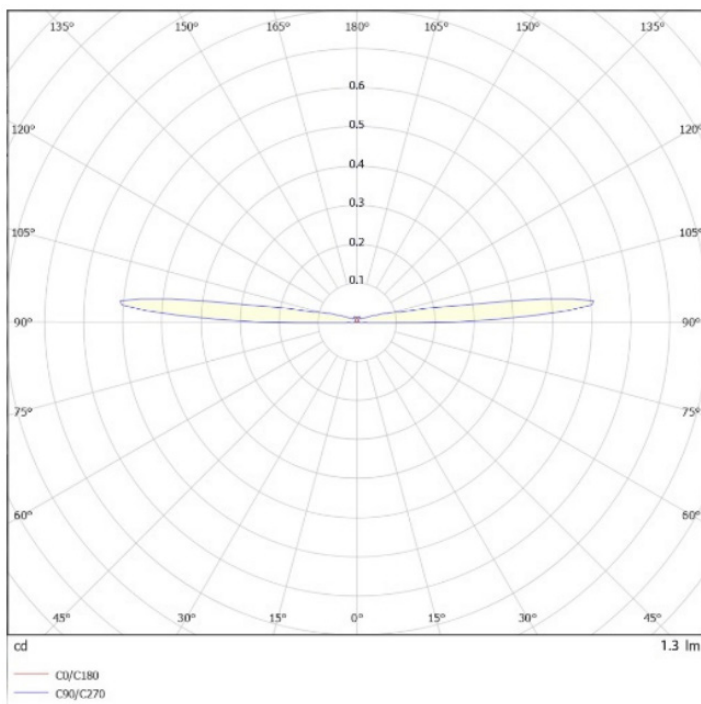
**Material**  
2 = Aluminium  
3 = Stainless Steel

**Power Mode**  
4 = Battery  
5 = Capacitor

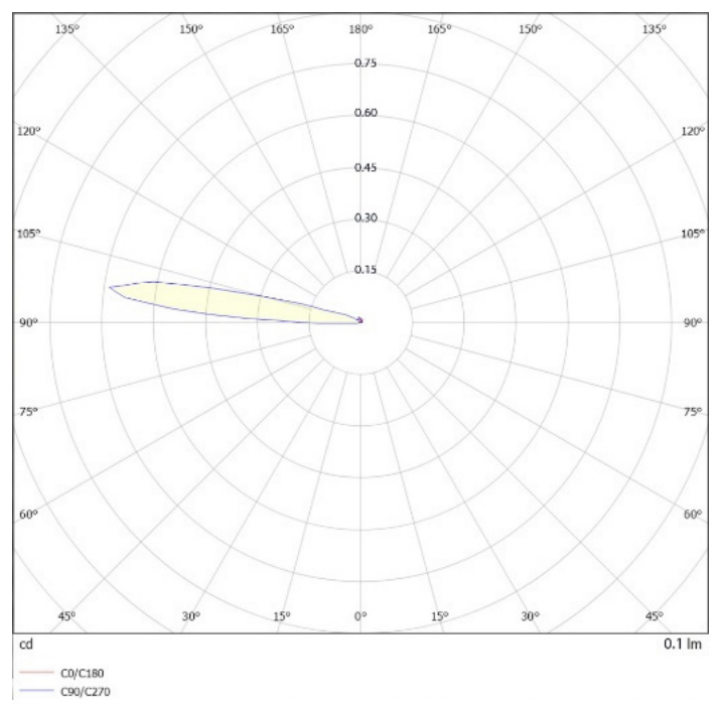
**LED Configuration**  
1 = Low Power - all night on  
2 = Low Power with schedule (can be defined)

Low light emission of only 0.1-1.3 lm. This corresponds to a fraction of a candle's glow, at around 10-12lm.

## SOLAR FORCE Bidirectional



## SOLAR FORCE Unidirectional



## Light spectrum 2700K

