

MODEL LCECO-112-D12R SPECIFICATIONS

Double 12" Yellow/Amber LED School Zone Beacon with Radar (Meets MUTCD & ITE Standards)

Solar Panel

- Maximum Power (P max) 20 W
- Voltage at Pmax (V mp) 17.3 V
- Current at Pmax (IMP) 1.16 A
- Short-Circuit Current (Isc) 1.29 A
- Open-Circuit Voltage (V oc) 21.6 V

Solid State Regulator (built-in flasher & dimmer)

Lightcast SPLasher is a compact all-in-one solar controller with maximum power point tracking, flasher, and auto-dimmer. Its compatible with all 24-7 solar stop beacons, hazard beacons, and has a dry contact for sensor activated beacons. The switch port allows you to hook up any activation switches such as the high water level sensor, motion sensor, push button sensor, moisture sensor, or radar sensor. With the adjustable mode, you can adjust the duty cycle from 90/10 to 50/50 and change the flashers to activate for 24-7, 30 minutes, 3 minutes, or 1 minute.

Traffic Stop Beacons

Polycarbonate Housing:

- 12" light housing plastic injected molded polystyrene tufen u.v. impregnated material for ultra violet rays

LEDs:

- Color Yellow/Amber
- Applied Voltage 12VDC
- Power Consumption (watts) 5
- Dominant Wavelength (nm) 592
- On Axis Luminous Intensity (Min) 350 cd
- LEDs per signal lamp 121
- Intensity loss due to single LED failure .83%
- Operation Temperature -40°F to +165°F

7 Day Programmable Timer Included

Radar Display Frame

- Length: 18¾"
- Height: 13¾"
- Depth: 2¼"
- Punched Front skin: constructed of .063 aluminum
- Back skin: constructed of .063 aluminum
- Viewing Window: .125 thick polycarbonate with UV matte finish
- Paint: Powder paint, flat black
- Salt spray fog: 1,000 hours
- UV Resistance: 500 hours

Radar Display Module 16" x 11"

- Specifications:
- Optical:
- Pixels are arranged in a 2 digit, (7) seven segment array.
- LED pixel spacing is .70 inches x .70 inches
- 15 degree viewing angle

Radar Photocell Assembly (built-in)

- Monitors ambient light conditions and adjusts brightness accordingly

Radar Standard Violator Alerts

- Characters flash when over preset threshold &/or built-in face white strobe
- Display will go blank when over preset threshold

Radar Gun

- Operating Band K-Band
- Frequency 24.125 GHz ±5Mhz
- Power Output 5mW
- Beam angle 38° x 45°
- Polarization Linear
- Supply Voltage 5.5V DC to 16V DC (18VDC max)
- Nominal Current Draw 9.5 mA
- Operating Temp. -40°F to +185°F (-40°C to +85°C)
- Accuracy ±0.1 mph
- Speed Range 5 mph to 99 (8 kmph to 158.4 kmph)
- Detection Range Typically 300+ feet (90+ meters)

Control Cabinet/Battery

- Cabinet is 7½" x 11¼" x 4", .063, aluminum, located below solar panel.
- Included battery shall be (1) 18 amp.