



# MODEL 851 STROBE BEACONS

available in:



420401

## Model 851 Series

Federal Signal's Model 851, high-profile, strobe beacons combine high-performance power supplies, durable aluminum bases, and impact-resistant, polycarbonate domes to provide superior warning in the harshest environments.

## Model 851 Plus

Federal Signal's Model 851 Plus utilizes a replaceable, helical strobe tube and an optically superior, Fresnel dome to maximize light output and completely fill the dome. These strobes are multi-volt (12-48 VDC) and use 12-joule power supplies for brilliant warning signals. All 851 Plus DC models feature an "open-style" aluminum base with a flexible rubber mounting gasket.

All models are available in Single, Double, Triple, Quad and Quint flash versions and meet SAE J845 Class 2 (SAE J1318 Class 2, 2009) requirements. Necessary mounting hardware is included with all models.

## Model 851-RR

Federal Signal's Model 851-RR was designed specifically for use on railroad locomotives. The Model 851-RR features a 10-joule, 72 VDC, power supply with spike filter and extra vibration protection. A 1" enclosed base and a clear polycarbonate dust cover are included to provide the extra protection needed for railroad applications. Necessary mounting hardware is included with Model 851-RR. This strobe beacon has passed testing by General Motors/Electromotive Division for use on locomotives.



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## > Features

- Open-style aluminum base strobe beacon
- Automatic adjustment to function at any voltage from 12-48VDC
- High-profile strobe beacon

## > Approvals

- SAE J845 Class 2 (SAE J1318 Class 2, 2009)

## > Applications

- Utility Trucks
- Industrial Trucks
- Construction Trucks
- Railroad Locomotives (851-RR)



> How to Order

Specify Model

Model 851 Plus

- 420400-02** 12J, 16W, 12-48VDC, double flash  
Open style bottom, Amber; -03(Blue);  
-04(Red); -05(Clear); -06(Green)
- 420404-02** Cruise light, open style bottom, Amber;  
-03(Blue); -06(Green)
- 211789-02** Magnetic mount, Amber; -05(Clear)
- 420406-02** Utility Light, blackout lens, clear dust  
cover, branch guard, and poly carbonate  
mounting base
- 420412-02** Aluminum 1" pipe-flush mount bottom,  
Amber; -05(Clear)
- 420414-02** Aluminum flush magnetic mount, Amber;  
-05(Clear)
- 211946-02** 12J, 16W, 12-48VDC, quad flash  
Open style bottom, Amber; -03(Blue);  
-04(Red); -05(Clear); -06(Green)
- 211947-02** 12J, 16W, 12-48VDC, quint flash  
Open style bottom, Amber; -03(Blue);  
-04(Red); -06(Green)
- 412047-02** 10J, 13.3W, 115VAC, single flash  
Enclosed bottom/AC line cord, Amber;  
-03(Blue); -04(Red); -05(Clear); -06(Green)
- 412048-02** Enclosed bottom/pipe flange, Amber;  
-03(Blue); -04(Red); -05(Clear)

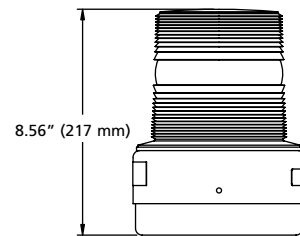
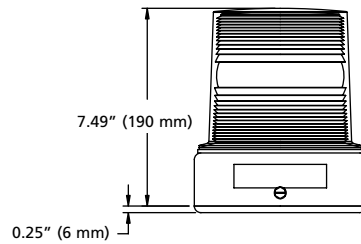
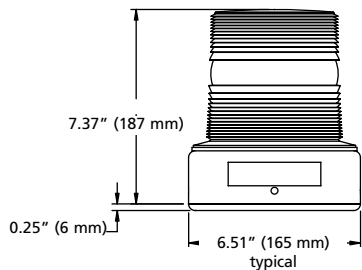
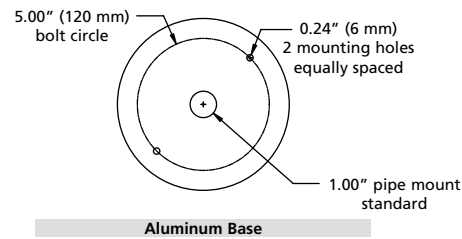
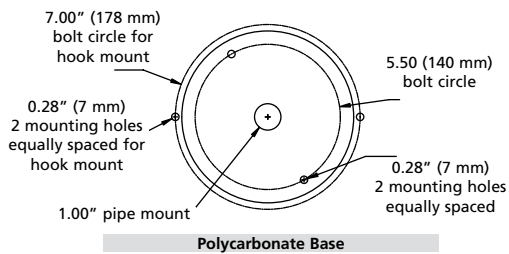
Model 851-RR

- 412046-02** 10J, 13.3W, 72VDC, single flash  
Enclosed bottom, spike filter, Amber;  
-03(Blue); -04(Red); -05(Clear)

Accessories and Kits

- 210782** Wire branch guard
- 210939** "L" mounting bracket
- 210830** Polycarbonate 1" pipe/flush mount bottom
- 210982** Aluminum 1" pipe/flush mount bottom
- 210831** Kit, polycarbonate flush magnetic mount
- 210050** Kit, aluminum flush magnetic mount
- 210837** 1" to 1/2" pipe adapter for 210830 and  
210982
- 210838** 1" to 3/4" pipe adapter for 210830 and  
210982
- 210846** Aluminum flush enclosed bottom
- 210923** Aluminum raised enclosed bottom
- 210928** Magnetic mount kit for aluminum/  
polycarbonate mount bottoms
- 210878** Dust cover with black top
- 200776-95** Polycarbonate dust cover without black cover

Specifications	
Flash Rate	80/min (1, 2, 3, 4, 5x)
Voltage	12-48 VDC, 72 VDC, 115 VAC
Amp Draw	1.65 @ 12 V to 0.41 @ 48V (DC models)
Joules	12J (DC Models) 10J (RR, AC model)
Power	16W (DC models) 13.3W (RR, AC model)
Physical Specifications	
Diameter	6.6 in (16.8 cm)
Height	7.5 in (19.1 cm)
Ship Weight	
	2.2 lbs (1.0 kg)



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