



# THREESIXTY

A NEW LIGHT ON SAFETY



## **FEDERAL SIGNAL'S RANGE OF POWERFUL ENERGY SAVING BEACONS THE TREESIXTY SERIES PROVIDES A NEW LIGHT ON SAFETY**

A complete range of beacons to meet all vehicle and materials handling warning light requirements. The THREESIXTY Series beacons are available in 3 light sources: Halogen Rotator, Strobe or Latest Generation LED. Manufactured for ease of installation and long life these Superior Warning Lights combine light weight and rigidity with low energy consumption features in Strobe and LED.

The Medium & Large size THREESIXTY beacons are designed for Road Vehicle use and will meet the requirements of most vehicle types. All our Vehicle Beacons are manufactured with high strength optically engineered polycarbonate domes that have no dark spots or shadows and meet or exceed European and International Standards for Light Output and Electromagnetic interference. (R65, SAE, E11 & e11).

**All models are available in either premanent, DIN, flexible DIN or Magnetic mount.**

### **HALOGEN MODEL**

The optically crafted and highly polished parabolic reflector focuses the halogen light to create an exceptional noticeable warning signal. The efficient rotator produces 140 flashes per minute giving full 360 degree of light.

### **STROBE MODEL**

The Bi-tension power supply along with the internal transparent fresnel lens and the optically crafted outer dome combine to provide R65 light output at the lowest possible energy consumption level. A flash rate of 120 per minute ensures that this beacon delivers an attention getting high output signal day or night.

### **LED MODEL**

With a powerful solid state light source and encapsulated digital circuitary combined with advanced optically engineered dome our LED beacons meet or exceed UN R65 & SAE standards. All LED Beacons are Dual Voltage.

#### **Standard Features**

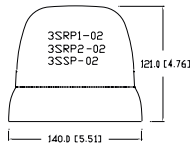
UN R65 HOMOLOGATION	SAE
EMC 2004/04/CE	12VDC, 24VDC & BI TENSION MODELS
POLYCARBONATE DURABLE CONSTRUCTION	2 YEAR WARRANTY ON HALOGEN & STROBE
5 YEAR WARRANTY ON LED	ADVANCED OPTICAL ENGINEERING
LOW ENERGY CONSUMPTION	CABLE ATTACHED





### SHORT ROTATOR HALOGEN

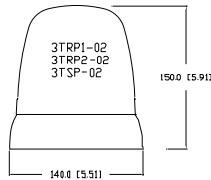
This Small footprint low profile halogen has a new optically crafted parabolic reflector to produce shadowless warning light through 360 degrees.



- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>3SRP1-02</b> Permanent Mount 12vDC | <b>3SRP2-02</b> Permanent mount 24vDC |
| <b>3SRM1-02</b> Magnetic Mount 12vDC  | <b>3SRM2-02</b> Magnetic Mount 24vDC  |
| <b>3SRD1-02</b> DIN Mount 12vDC       | <b>3SRD2-02</b> DIN Mount 24vDC       |
| <b>3SRF1-02</b> Flex DIN Mount 12vDC  | <b>3SRF2-02</b> Flex DIN Mount 24vDC  |

### TALL ROTATOR HALOGEN

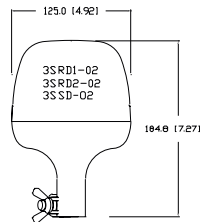
The same footprint and technology of our short rotator in a taller dome to provide greater visibility when not in use.



- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>3TRP1-02</b> Permanent Mount 12vDC | <b>3TRP2-02</b> Permanent mount 24vDC |
| <b>3TRM1-02</b> Magnetic Mount 12vDC  | <b>3TRM2-02</b> Magnetic Mount 24vDC  |
| <b>3TRD1-02</b> DIN Mount 12vDC       | <b>3TRD2-02</b> DIN Mount 24vDC       |
| <b>3TRF1-02</b> Flex DIN Mount 12vDC  | <b>3TRF2-02</b> Flex DIN Mount 24vDC  |

### SHORT STROBE

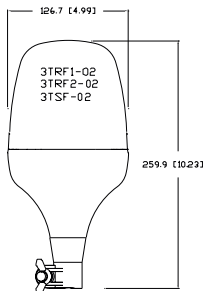
A low profile strobe light with exceptional new technology to provide 120fpm meeting all European and International standards whilst using the minimum amount of power and energy.



- |   |  |
|---|--|
| <b>3SSP-02</b> Permanent Mount 12-24vDC | <b>3SSM-02</b> Magnetic Mount 12-24vDC |
| <b>3SSD-02</b> DIN Mount 12-24vDC       | <b>3SSF-02</b> Flex DIN Mount 12-24vDC |

### TALL STROBE

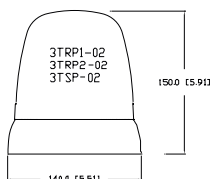
The same footprint and exceptional low energy consumption of the shorter strobe in a taller dome delivering excellent attention grabbing light.



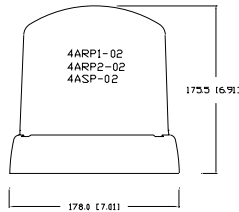
- |   |  |
|---|--|
| <b>3TSP-02</b> Permanent Mount 12-24vDC | <b>3TSM-02</b> Magnetic Mount 12-24vDC |
| <b>3TSD-02</b> DIN Mount 12-24vDC       | <b>3TSF-02</b> Flex DIN Mount 12-24vDC |

### LED

Low Energy Consumption and exceedingly long life of our Solid State LED Beacons results in the ideal beacon for vehicles that require warning lights to be on the majority of the time.



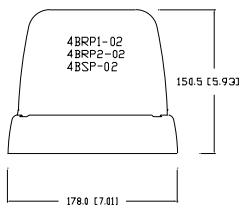
- |   |  |
|---|--|
| <b>3TLP-02</b> Permanent Mount 12-24vDC | <b>3TLM-02</b> Magnetic Mount 12-24vDC |
| <b>3TLD-02</b> DIN Mount 12-24vDC       | <b>3TLF-02</b> Flex DIN Mount 12-24vDC |



### TYPE A ROTATOR HALOGEN

With a larger footprint and profile our Large Beacons are suited to the larger vehicle. This larger size combined with a new optically crafted parabolic reflector, produces shadowless warning light through 360 degrees.

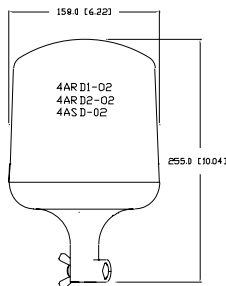
- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>4ARP1-02</b> Permanent Mount 12vDC | <b>4ARP2-02</b> Permanent mount 24vDC |
| <b>4ARM1-02</b> Magnetic Mount 12vDC  | <b>4ARM2-02</b> Magnetic Mount 24vDC  |
| <b>4ARD1-02</b> DIN Mount 12vDC       | <b>4ARD2-02</b> DIN Mount 24vDC       |
| <b>4ARF1-02</b> Flex DIN Mount 12vDC  | <b>4ARF2-02</b> Flex DIN Mount 24vDC  |



### TYPE B ROTATOR HALOGEN

The same technology and size of our Type A Rotator but with a flatter dome to suit differing styles.

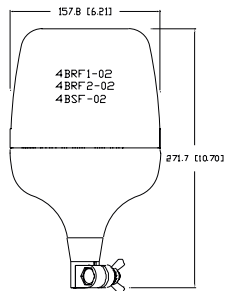
- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>4BRP1-02</b> Permanent Mount 12vDC | <b>4BRP2-02</b> Permanent mount 24vDC |
| <b>4BRM1-02</b> Magnetic Mount 12vDC  | <b>4BRM2-02</b> Magnetic Mount 24vDC  |
| <b>4BRD1-02</b> DIN Mount 12vDC       | <b>4BRD2-02</b> DIN Mount 24vDC       |
| <b>4BRF1-02</b> Flex DIN Mount 12vDC  | <b>4BRF2-02</b> Flex DIN Mount 24vDC  |



### TYPE A STROBE

Even in this larger beacon our exceptional new technology allows us to provide 120fpm meeting all European and International standards whilst using the minimum amount of power and energy.

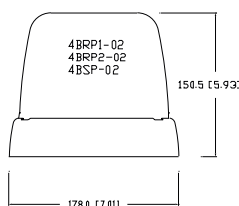
- |   |  |
|---|--|
| <b>4ASP-02</b> Permanent Mount 12-24vDC | <b>4ASM-02</b> Magnetic Mount 12-24vDC |
| <b>4ASD-02</b> DIN Mount 12-24vDC       | <b>4ASF-02</b> Flex DIN Mount 12-24vDC |



### TYPE B STROBE

The same footprint and exceptional low energy consumption of the Type A beacon in a flatter dome delivering excellent attention grabbing light.

- |   |  |
|---|--|
| <b>4BSP-02</b> Permanent Mount 12-24vDC | <b>4BSM-02</b> Magnetic Mount 12-24vDC |
| <b>4BSD-02</b> DIN Mount 12-24vDC       | <b>4BSF-02</b> Flex DIN Mount 12-24vDC |



### LED

The ideal warning Light source for the larger utility vehicle that requires its warning lights to work most of the day, every day. The longevity and low energy consumption of our LED lights is un-paralleled within UN R65 & SAE approved warning Beacons.

- |   |  |
|---|--|
| <b>4TLP-02</b> Permanent Mount 12-24vDC | <b>4TLM-02</b> Magnetic Mount 12-24vDC |
| <b>4TLD-02</b> DIN Mount 12-24vDC       | <b>4TLF-02</b> Flex DIN Mount 12-24vDC |

## TECHNICAL MATRIX

Models	Diameter	Ship Weight	Amperage	Joules	Watts	Flash Rate	IP*	Temperature	Approvals
Medium Rotator 12vDC	140mm (5.51")	560g (1.24lb)	4.65A	N/A	N/A	140 fpm	IP 54	-30C to + 65C	UN R65, SAE, 2004/104/EC
Medium Rotator 24vDC	140mm (5.51")	560g (1.24lb)	2.52A	N/A	N/A	140 fpm	IP 54	-30C to + 65C	UN R65, SAE, 2004/104/EC
Medium Strobe 12-24vDC	140mm (5.51")	600g (1.32lb)	1.53/0.71A	7.5j	14.6w	120 fpm	IP 54	-30C to + 65C	UN R65, SAE, 2004/104/EC
Medium LED 12-24vDC	140mm (5.51")	875g (1.93lb)	2.75/1.37A	N/A	3w LED	120 fpm	IP 54	-30C to + 65C	UN R65, SAE, 2004/104/EC
Large Rotator 12vDC	178mm (7.00")	980g (2.17lb)	4.7A	N/A	N/A	140 fpm	IP 66	-30C to + 65C	UN R65, SAE, 2004/104/EC
Large Rotator 24vDC	178mm (7.00")	980g (2.17lb)	2.58A	N/A	N/A	140 fpm	IP 66	-30C to + 65C	UN R65, SAE, 2004/104/EC
Large Strobe 12-24vDC	178mm (7.00")	710g (2.17lb)	1.8 / 0.84A	9.5j	18.6w	120 fpm	IP 66	-30C to + 65C	UN R65, SAE, 2004/104/EC
Large LED 12-24vDC	178mm (7.00")	980g (2.17lb)	2.75/1.37A	N/A	3w LED	120 fpm	IP 66	-30C to + 65C	UN R65, SAE, 2004/104/EC

\* Maximum IP Figure, may vary depending on mounting style

Features	Halogen	Strobe	LED
High Usage >240h/month			★
Medium Usage >120h/month		★	★
Low Usage <120h/month	★	★	
5 year Warranty			★
2 year Warranty	★	★	
High Vibration Use		★	★
Energy Efficiency		★	★
Low Current Draw	★	★	★
12vDC	★	★	★
24vDC	★	★	★
Magnetic Mount	★	★	★
Permanent Mount	★	★	★
DIN Mount	★	★	★
Flexible DIN Mount	★	★	★
UN R65 E11 e11 / SAE	★	★	★





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