

# 800D Series

## SELF-CONTAINED STROBE BEACON



Available with  
Magnetic/suction  
mounting

800D SERIES STROBE BEACON

*Featuring a low profile base design and producing a full 25 watts of output power (36 watts input), the 800D Series beacons are available with either our new high-gain, high profile dome, or our traditional low profile, double fresnel optic dome.*

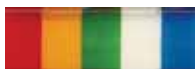
### FEATURES

- Certified to S.A.E. & California Title XIII requirements.
- High-gain, self-cleaning, aerodynamic high profile dome.
- Traditional low profile double fresnel optic dome provides excellent 360° light dispersion.
- 36 watt input/25 watt output.
- Choice of four flash patterns standard in every model: CometFlash®, DoubleFlash, RapidRate™ and ActionFlash™.\*
- Optional Built-in exclusive Photo Sensor (selectable use) via automatic intensity control or automatic on/off operation.\*
- Manual Hi/Low intensity control via external switch.
- Dual voltage 12/24 VDC power supply includes circuits that protect against reverse polarity damage and flash tube ionization.
- Patented clamp circuit prevents power supply damage in the event of flash tube failure.
- Powder coated die cast base offers flange, permanent and 1" NPT pipe mounting, standard. Magnetic mount models are also available.
- Five year, HDP® Heavy-Duty Professional Warranty on power supply; two year warranty on Gold Medallion flash tube.\*

\*A Whelen Exclusive.



*Whelen Products  
are proudly designed  
and manufactured  
in the U.S.A.*



Available in  
all 5 safety colors

Form# 800D0209

# WHELEN®

Engineers for the Emergency Warning Industry

# 800D SERIES SPECIFICATIONS



Shatterproof, polycarbonate lens with advanced optic design.

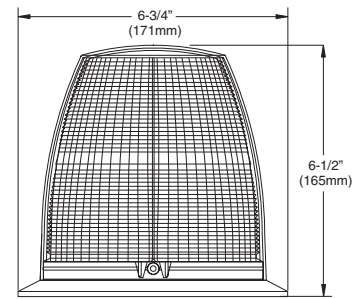
800D Series Strobe Beacons are modular and easily field serviced via Amp Mate-N-Lok™ connector (no cutting of wires), minimizing equipment downtime.

Three pin, plug-in flash tube assembly is secured in place with two retaining screws for added vibration resistance.

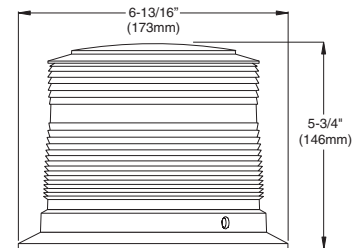
Fully enclosed, die-cast aluminum base for heavy duty applications. Punch-out holes available in base for tamper-proof mounting with concealed screws.

Easy to install with a two wire connection, 800D Series strobe beacons are shipped preset with CometFlash® pattern and high-intensity operation. Internal wiring allows access to many added operational features.

“Heavy duty” silicone potted circuit boards maximize vibration and moisture resistance while allowing for the units to be economically repaired.



**Aerodynamic Dome**



**Low Dome**

## MODELS

- 800DH\*P** High Dome, Permanent/Pipe Mount
- 800DH\*M** High Dome, Magnetic Mount
- 800DL\*P** Low Dome, Permanent/Pipe Mount
- 800DL\*M** Low Dome, Magnetic Mount

\*Replace symbol in model number with letter indicating lens color desired: **A**=Amber; **B**=Blue; **C**=Clear; **R**=Red; **G**=Green; **S**=Split dome (double fresnel type dome only). Due to variations in vehicle surfaces and operating conditions, the use of any magnetic/suction warning beacon on the vehicle while in motion is at the discretion and risk of the user.

## ELECTRICAL AND PHYSICAL DATA

- Input Voltage:**..... 12.8 VDC / 25.6 VDC
- Input Current:** ..... 2.8 amps / 1.4 amps
- Input Power:**..... 36 Watts
- Output Power:** ..... 25 Watts
- Output Energy:**..... 18.5 joules, 9.5 / 3 / 3 / 3 joules<sub>1</sub>
- Effective Candle Power:**..... 650 Candella<sub>2</sub>
- Flashrate:** CometFlash®..... 80 FPM  
 DoubleFlash ..... 115 FPM  
 RapidRate™ ..... 185 FPM  
 ActionFlash™ .... 1 CF - 4 RRF<sub>3</sub>
- Operating Temperature:**..... -30°F (-34°C) to +120°F (49°C)
- Weight:** 2 lbs. 4 oz. (1 kg)

1. CometFlash Pattern.  
 2. Measured in Clear. For peak candlepower, multiply by 13,500.  
 3. ActionFlash™ is a combination pattern that repeats one CometFlash and four RapidRate™ Flashes.

## OPTIONS

- AUTOCTL** . Photo sensor for Automatic On/Off or Hi/Low Operation
- 80CRUZ12** 12 VDC Cruise Light
- BGH** . . . . High Dome Branch Guard
- BGL** . . . . Low Dome Branch Guard
- SS** . . . . Sun Shade
- WSSAERO** Sun Shade for High Gain Aerodynamic Dome
- MMK** . . . . Magnetic Mount and Cigar Plug Kit



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*Whelen Engineering reserves the right to upgrade and improve products without notice.*