

# 800D Series

SELF-CONTAINED  
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

- High-gain, self-cleaning, aerodynamic high profile dome.
- Traditional low profile double fresnel optic dome.
- 36 watt input/25 watt output.
- Choice of four flash patterns standard in every model: CometFlash<sup>®</sup>, Double Flash, Rapid Rate<sup>™</sup> and Action Flash<sup>™</sup>.\*
- 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.
- Real-Time Diagnostix<sup>™</sup>, when used with optional 800DCTRL switch assembly.\*
- Certified to S.A.E. & California Title XIII requirements.
- Double fresnel optic lens provide excellent 360° light dispersion. Available in high and low dome profiles.
- Dual voltage 12/24VDC power supply includes circuits that protect against reverse polarity damage and flash tube ionization.



Change flash patterns on the go with optional 800DCTRL.

- 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. Dash mount, magnetic mount and adjustable pole mount models are also available.
- Five year, Heavy Duty Professional Warranty on power supply; two year warranty on Gold Medallion flash tube.\*
- Optional 800DCTRL, four pattern beacon controller with High/Off/Low intensity switch and diagnostic LED Indicator\*.

\*A Whelen Exclusive.

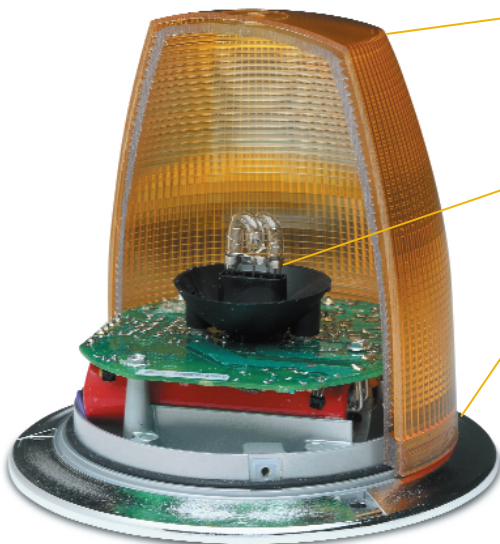


Available in  
all 5 safety colors

Form# 800D0601

**WHELEN**<sup>®</sup>  
Engineers for the Emergency Warning Industry

# 800D SERIES SPECIFICATIONS



Shatterproof, polycarbonate lens with double fresnel optic design.

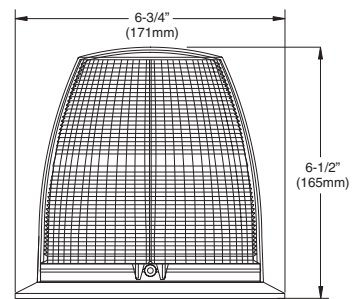
800D Series Strobe Beacons are modular and easily field serviced via Amp Mate-N-Lok™ connector (no cutting of wires), minimizing equipment downtime.

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

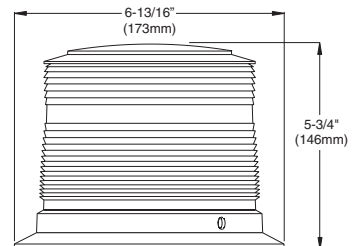
Fully enclosed, die-cast aluminum base for heavy duty applications. Punch-out holes available in base for tamper-proof mounting with concealed screws.

Easy to install with a two wire connection, 800D Series strobe beacons are shipped preset for the CometFlash® flash pattern and high-intensity operation. Internal connectors provide plug-in access to many added operational features using Model 800DCTRL Controller.

New "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+
- 800DH\*X** High Dome, Adjustable Stainless Steel Pole Mount
- 800DL\*P** Low Dome, Permanent/Pipe Mount
- 800DL\*M** Low Dome, Magnetic Mount+
- 800DL\*D** Low Dome, Dash Mount (DMS)
- 800DL\*X** Low Dome, Adjustable Stainless Steel Pole Mount (800-1ML)

\*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 mounted warning beacon on the vehicle while in motion is at the discretion and risk of the user.

## ELECTRICAL AND PHYSICAL DATA

- Input Voltage:** .....12.8VDC / 25.6VDC
- 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 joules1
- Effective Candle Power:** .....650 Candella2
- Flashrate:** CometFlash® ....80 FPM  
DoubleFlash .....115 FPM  
Rapid Rate™ .....185 FPM  
Action Flash™ ....1 CF - 4 RRF3
- Operating Temperature:** .....-30oF (-34oC) to +120oF (49oC)
- Weight:** 2 lbs. 4 oz. (1 kg)

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

## OPTIONS

- AUTOCTL** . Photo sensor for Automatic on/off or Hi/Low Operation
- 80CRUZ12** 12VDC Cruise Light
- 80CRUZ24** 24VDC Cruise Light
- BGH** . . . . . High Dome Branch Guard
- BGL** . . . . . Low Dome Branch Guard
- BC** . . . . . Bungee Cord with Hooks
- SLM** . . . . . Self-leveling Mount
- LB2000** . . . "L" Bracket for Side Mounting
- HBL** . . . . . Black Polycarbonate High Base Kit
- SS** . . . . . Sun Shade
- WSSAERO** Sun Shade for High Gain Aerodynamic Dome
- MMK** . . . . . Magnetic Mount and Cigar Plug Kit=
- 800DCTRL** Four Pattern Beacon Controller with High/Off/Low Intensity Switch and Diagnostic Indicator
- PSW1** . . . . . Hi/Off/Low Switch Assembly



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