



DIRECTIONAL LIGHTS DL-13-SERIES

SPECIFICATIONS

CONSTRUCTION-DL-13-BRS, DL-13-SC-BRS: Cast brass Bullet; adjustable cast brass swivel
DL-13, DL-13-SC: Cast aluminum Bullet; adjustable cast aluminum swivel

LENS: High impact clear tempered glass, convex glass for -BRS models

LAMP-DL-13, DL-13-BRS: 20 watt MR16 FL (BAB); 5000 hours average rating (50w max.)
DL-13-SC, DL-13-SC-BRS: 18 watt 5-8 #1141; 1200 hours average rating (25w max.)

SOCKET-DL-13, DL-13-BRS: High temperature ceramic GU5.3 bi-pin with 250° C silicone lead wires
DL-13-SC, DL-13-SC-BRS: Single contact bayonet, brass nickel plated screw shell (Ba15s); with 200° C silicone lead wires

WIRING: Black 3 foot 18/2 zip cord from base of fixture (12v. only)

CONNECTION: FA-05 Quick Connector (not supplied) from fixture to main cable (12/2, 10/2 or 8/2 only) 12v. only

MOUNTING: FA-03 black 9" ABS stake, tapped 1/2" NPS

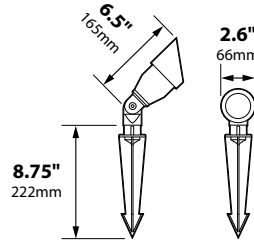
FINISH-DL-13-BRS, DL-13-SC-BRS: Unfinished brass—optional finishes available
DL-13, DL-13-SC: Black texture—optional finishes available

ORDERING INFORMATION

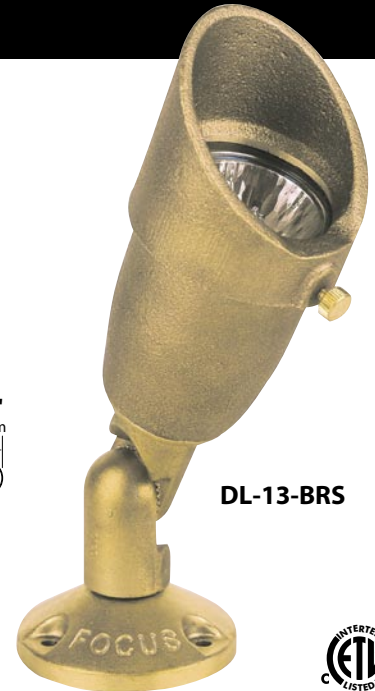
CATALOG NO.	DESCRIPTION	EST. SHIP. WEIGHT
DL-13	2.6" Bullet (MR16) Aluminum	2.0 lbs.
DL-13-BRS	2.6" Bullet (MR16) Brass	3.0 lbs.
DL-13-SC	2.6" Bullet (#1141) Aluminum	2.0 lbs.
DL-13-SC-BRS	2.6" Bullet (#1141) Brass	3.0 lbs.



We recommend the Xenon or Halogen 10,000 hour bulb.



DL-13



DL-13-BRS



MOUNTING ACCESSORIES

FA-01/BRS 20" 508mm

FA-02/BRS 20" 508mm

FA-03/BRS 8.75" 222mm

FA-03-LG 8.875" 225mm

FA-05 1.15" 29mm

FA-22-BRS 5.25" 133mm

FA-22-COP 3.25" 83mm

FA-22 0.875" 20mm

FA-24/BRS 0.9" 23mm

FA-24-LG-BRS 4.5" 114mm

FA-24-LG-COP 0.9" 23mm

FA-24-LG 4.5" 114mm

FA-111 0.9" 23mm

FA-111-TREE (10"-41") 10" 254mm

FA-22-TREE (10"-41") 10" 254mm

FA-30-4 4" 102mm

FA-30-8 8" 203mm

FA-30 10" 254mm

FA-31 13" 330mm

FA-32 15" 381mm

FA-33 21" 533mm

FA-34 26" 660mm

STEM EXTENSIONS

BEAM/GLARE CONTROL ACCESSORIES

FA-11 2" 51mm for DL-02, DL-13, DL-14, DL-21, DL-22

FA-98 2.25" 57mm for DL-02, DL-13, DL-14, DL-21, DL-22

FA-99 2.25" 57mm

FA-104 2" 51mm for DL-13, DL-14, DL-21, DL-22

FA-08-21 2" 51mm for DL-13, DL-14, DL-21, DL-22

FA-08-21 Round 1/8" Hex Cell Louver

FA-11-AMBER Amber Tempered Glass Lens

FA-11-BLUE Blue Tempered Glass Lens

FA-11-GREEN Green Tempered Glass Lens

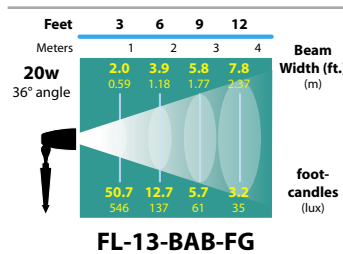
FA-11-RED Red Tempered Glass Lens

FA-98 Linear Spread Tempered Glass Lens

FA-99 Convex Tempered Glass Lens

FA-104 Wide Spread Tempered Glass Lens Softener

LIGHT DISTRIBUTIONS AND PHOTOMETRICS



12v. fixtures: 25 foot 16/2 fixture lead wire available; add -25F to catalog number.
 For use with Focus CPC or hub supplied by others.

FSA-00

Powder Coat Finishes	Black Texture (Standard)	Antique Verde	Bronze Texture	Camel	White Texture	Hunter Texture	Rust	Weathered Iron	Weathered Brown	Stucco	Rubbed Verde	Chrome Powder	Terra Cotta
Ordering Code	-BLT	-ATV	-BRT	-CAM	-WTX	-HTX	-RST	-WIR	-WBR	-STU	-RBV	-CPR	-TRC

JOB INFORMATION

Type: _____ Date: _____

Job Name: _____

Cat. No.: _____

Lamp(s): _____

Specifier: _____

Contractor: _____

Notes: _____

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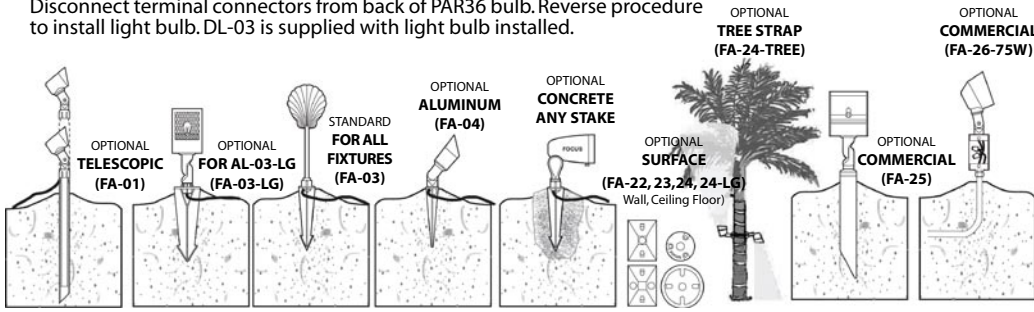
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INDUSTRIES

INSTALLATION INSTRUCTIONS (12V)
FOR ALL 12V DIRECTIONAL FIXTURES

Inspected by

- 1) Thread Mounting device onto base of fixture. If using FA-03, press into ground & connect to main cable using FA-05 Quick Connector. (See Instructions). If using FA-02 or -04 same as above. If using FA-01, make sure the base PVC is free of dirt/debris to allow the inner tube to be adjusted as needed. A set screw is provided to set desired height. If using FA-25, you must dig a 10-12" dia. hole, 12-16" deep. Loop main cable into stake or run fixture wire out of bottom to main cable, make connection with FA-05 then back fill hole & wiring. If using FA-22, -23, -24, -24-LG canopies, secure with appropriate screws for mounting surface.
- 2) To re-lamp DL-01, 2, 2EC, 13, remove 2 Phillips head screws from lens cap. Pull MR-16 lamp out by the glass reflector, NOT center bulb. Insert/press new MR16 into socket. Carefully assemble lens cap & gasket on body aligning locator pin on cap with locator hole on body. Before tightening screws on cap, make sure gasket seats between body & cap. No gaps or holes. This will insure a weatherproof seal. DL-13, DL-20-MR16 have no gaskets. They have a slip fit & only one set screw for removal. Center lamp & align drain hole before tightening.
- 3) To re-lamp DL-03, twist retaining ring & removing, releasing the lamp. Disconnect terminal connectors from back of PAR36 bulb. Reverse procedure to install light bulb. DL-03 is supplied with light bulb installed.

- 4) To re-lamp DL-04,-H remove 2 Phillips head screws on left end plate. Rotate end plate down. Slide lens out. For S-8 lamp press and rotate counter clockwise, lamp will release. For T-3 or T-4 halogen, pull light bulb away from socket or release. To lamp you must align pins with socket for proper contact. The above fixtures are supplied with lamp installed & tested.
- 5) To re-lamp DL-05, press & rotate ALR12 lamp counter clockwise to release. It is recommended to lubricate lamp base w/petroleum jelly.
- 6) To re-lamp DL-06-NL, same as above but light bulbs will be ALR-12, ALR-18, or AR-70. Use same procedure as above. Lamp NOT installed.
- 7) To re-lamp DL-07, 8, 9, 11, 12, remove 2 Phillips head screws that retains clear lens. For S-8 lamp, press & rotate lamp counter clockwise. Lamp will release. For T-3 halogen pull light bulb away from socket to release. Above fixtures have lamp installed.
- 8) To re-lamp DL-21, loosen slotted set screw on bottom of cap. Hold body & cap with each hand. Pull & rotate to separate. Follow DL-01 re-lamping procedures above. Note ALL MR-16 fixtures are supplied in separate boxes to avoid damage in shipping. Bulbs are NOT installed.



NOTE: All mounting stakes can be pressed or hammered into the ground with a standard hammer or rubber mallet. A small block of wood is recommended to give you a larger surface to pound. Always leave the top 1" section of the stake above ground to help isolate the metal from potentially corrosive soils. Fixture wire (18/2) should be buried underground to prevent detachment & have a cleaner look. For a more permanent mount, you can set the stake in concrete or use FA-25 commercial mounting pedestal.

IMPORTANT SAFETY INSTRUCTIONS TO REDUCE THE RISK OF FIRE AND INJURY TO PERSONS:

- 1) Lamp gets hot quickly; turn off/unplug/disconnect and allow to cool down before replacing the bulb.
- 2) DO NOT touch hot lens, guard or enclosure
- 3) DO NOT look into lamp when on
- 4) Keep lamp away from materials that may burn
- 5) Use only with wattage/lamp marked on fixture warning or instructions.
- 6) Use right light bulb base w/right socket
- 7) DO NOT touch the lamp at any time. Use a lint-free cloth when handling bulb as oil from skin may damage lamp and shorten lamp life.
- 8) DO NOT operate fixture with missing/damaged shield.

For Questions Call 1-888-882-1350