



DIRECTIONAL LIGHTS DL-21-SERIES

SPECIFICATIONS

CONSTRUCTION-DL-21-BRS: Cast brass Bullet; adjustable cast brass swivel
DL-21: Cast aluminum Bullet; adjustable cast aluminum swivel
CDL-21: Composite Bullet; adjustable composite swivel

LENS--DL-21-BRS: Convex high impact clear tempered glass
DL-21, CDL-21: High impact clear tempered glass

LAMP: 20 watt MR16 FL (BAB) 50w max. (20w max. on CDL-21) 5000 hours average rating

SOCKET: High temperature ceramic GU5.3 bi-pin with 250° 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 9" ABS stake threaded 1/2" NPS

FINISH-DL-21-BRS: Unfinished brass--optional finishes available;
DL-21, CDL-21-BLT: Black texture--optional finishes available;



We recommend the MR16 Ultra 10,000 hour halogen bulb.

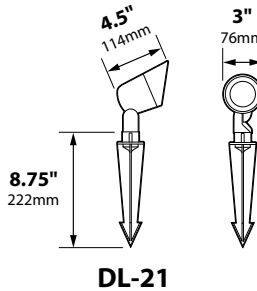


DL-21-BRS

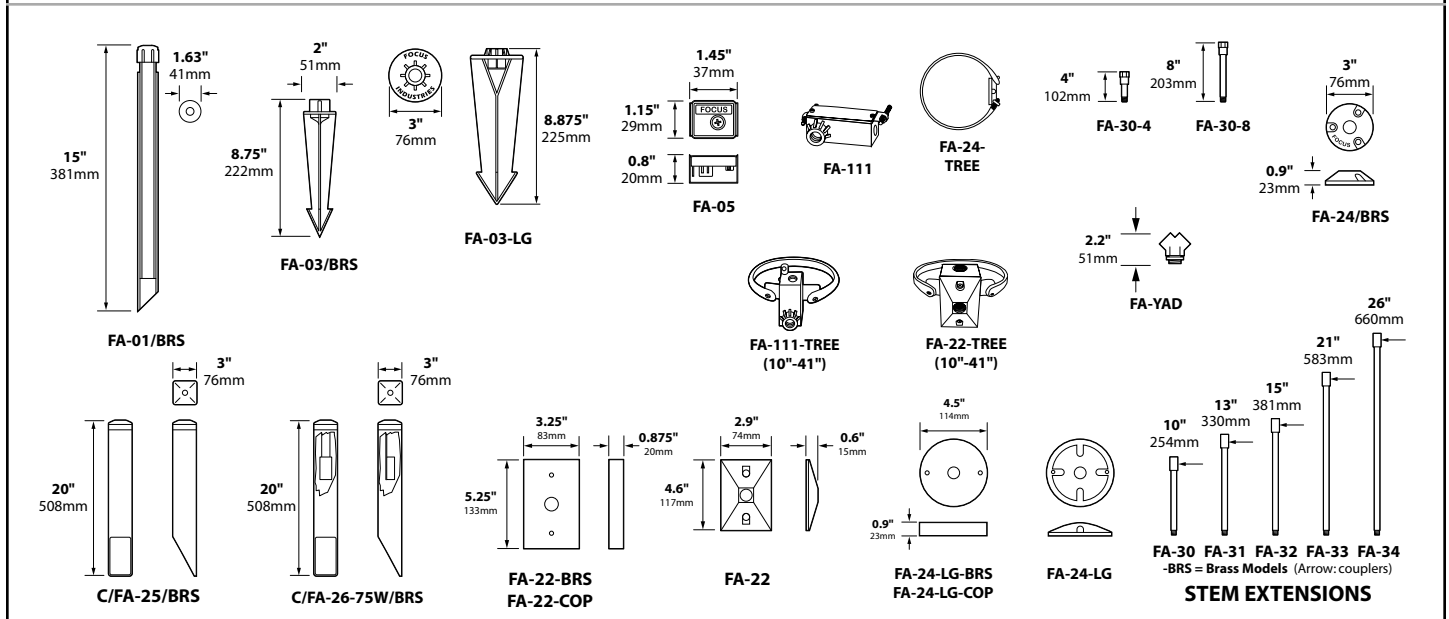


ORDERING INFORMATION

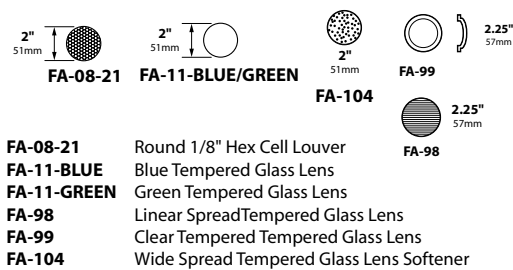
CATALOG NO.	DESCRIPTION	EST. SHIP. WEIGHT
DL-21	3" MR16 Bullet Aluminum	2.0 lbs.
DL-21-BRS	3" MR16 Bullet Brass	3.0 lbs.
CDL-21	3" MR16 Bullet Composite	2.0 lbs.



MOUNTING ACCESSORIES

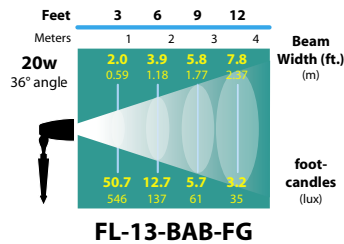


BEAM/GLARE CONTROL ACCESSORIES



- FA-08-21 Round 1/8" Hex Cell Louver
- FA-11-BLUE Blue Tempered Glass Lens
- FA-11-GREEN Green Tempered Glass Lens
- FA-98 Linear Spread Tempered Glass Lens
- FA-99 Clear Tempered 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.

JOB INFORMATION

Type: _____ Date: _____

Job Name: _____

Cat. No.: _____

Lamp(s): _____

Specifier: _____

Contractor: _____

Notes: _____

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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

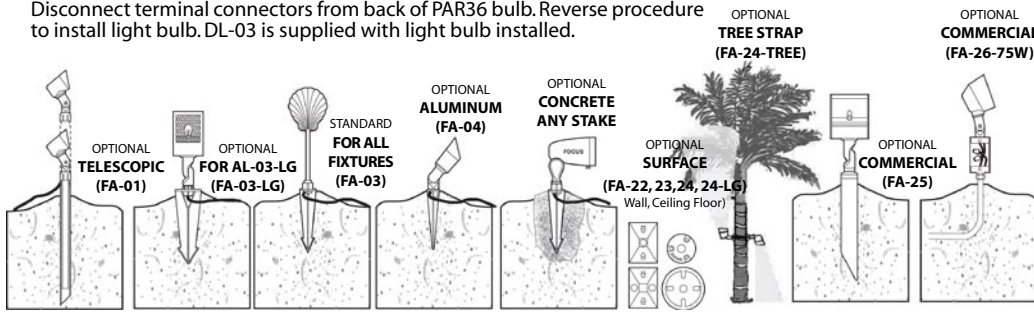


FOCUS™
INDUSTRIES

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