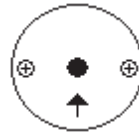
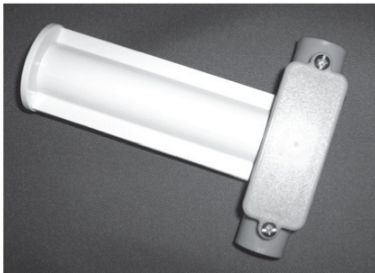
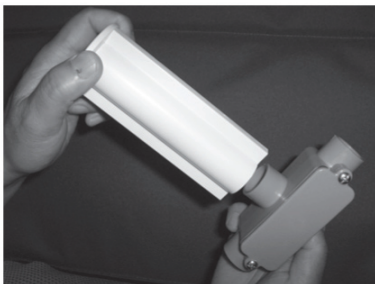


SHOULD I USE UNDERGROUND CONDUIT TO WIRE THE CONCRETE FORMS?

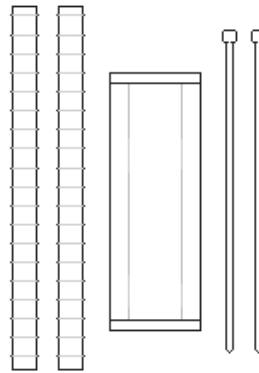
In applications where the wire exiting the Concrete Form is below the concrete, and close to the edge of the pour, our 18-12 solid conductor direct burial wire is all that is required between Concrete Forms and to the driver.

In applications where the design requires the wire to be encased in concrete, significantly distant from the edge of the pour, or for any other regulatory or access requirement, you may choose to place the burial wire in conduit connecting to the Concrete Forms.

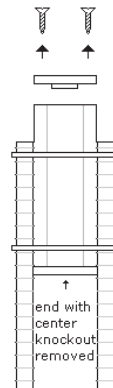
For these questionable access applications, we have designed the Concrete Form to fit over almost all standard 1/2" T junction boxes. Please see picture below showing the Concrete Form mating with a 1/2" T junction box. Both the T type junction boxes, and the 1/2" flexible conduit can be purchased at any electrical distributor. A good brand name to check would be Carlon junction boxes and Carflex conduit. A quality plastic glue will be required to secure the junction box to the Concrete Form, and the junction box to the conduit.



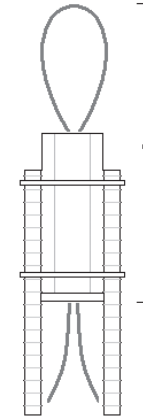
1. Remove the center knockout from one end of the concrete form.



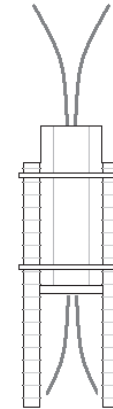
2. Using two sturdy tie-straps, secure two 10" lengths of rebar to each concrete form 1.5" below the top.



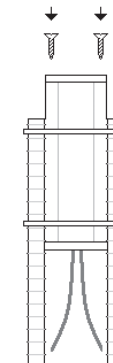
3. Using a phillips screwdriver, remove the top cover of concrete form.



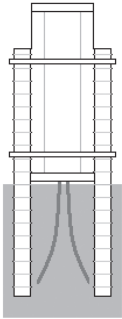
4. Through the bottom knockout, bring in a 9" loop of 18-2 solid conductor burial wire. NSL part #LW-18G-BUR. This is necessary to gang wire multiple fixtures.



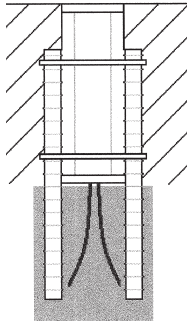
5. Cut wire at center of loop and coil back into concrete form. The last concrete form in a gang wired run only needs one incoming wire.



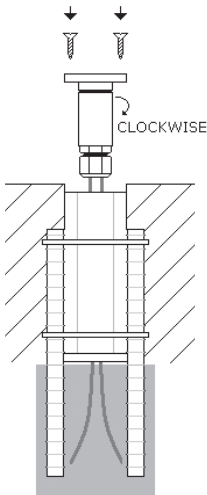
6. Prior to replacing top cover, coat the complete top cover where exposed to concrete with a concrete non-stick solution.



7. Install concrete form and wire in sub-grade. Adjust concrete form so that it will be level with finished concrete level.



8. While pouring concrete, insure nothing moves concrete form. Minor adjustments while concrete is wet may be necessary to assure concrete form will be level with finished concrete surface.



9. After concrete is dry, remove top. It may be necessary to use a Roto Zip or similar tool to carefully cut around cover edge to dislodge any concrete that may prevent removal of top. Bring out wires and wire LED MiniDisc as per fixture instructions. Place LED MiniDisc into concrete form and GENTLY COIL WIRE CLOCKWISE to prevent barrel from loosening from the cover over time. Secure LED MiniDisc into form with mounting screws. If there is a gap between the concrete and the LED MiniDisc Light, a small bead of silicone sealant is recommended.

Note: Applying vaseline to the first 2" of each lead will ease wire insertion into waterproof strain relief.

LED MINI DISC LIGHT SPECIFICATIONS

Voltage: UL Listed with our LED Driver, LEDDR-12-60W

Electrical Rating Per MiniDisc Light: 0.54 watts, 44mA, 12VDC

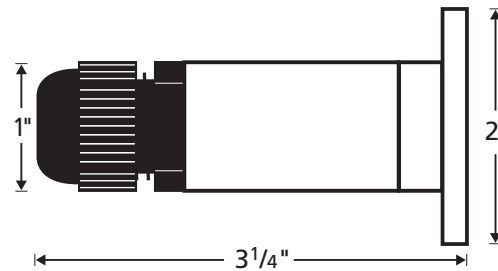
Max. MiniDisc Lights Per Run: 100 MiniDisc Lights per 60 watt LED Driver

Average LED Life: 60,000 hours

Finish Options: Natural Aluminum, Black, White, Bronze

Lens: Frosted

UL Listing: UL Listed for wet and burial applications



INSTALLATION INSTRUCTIONS

LED MINI DISC LIGHT CONCRETE CAP



NATIONAL SPECIALTY LIGHTING
ARCHITECTURAL AND DECORATIVE LIGHTING

LOUISVILLE, CO 80027

www.nslusa.com

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