



WARNING: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

KEEP THIS SHEET FOR FUTURE REFERENCE.

Rough-in section numbers 85145 and 85146. Only finishing sections marked LLF10, LLF20, LLF30, LLF40, LLF50 and LLF60 may be used in housing.

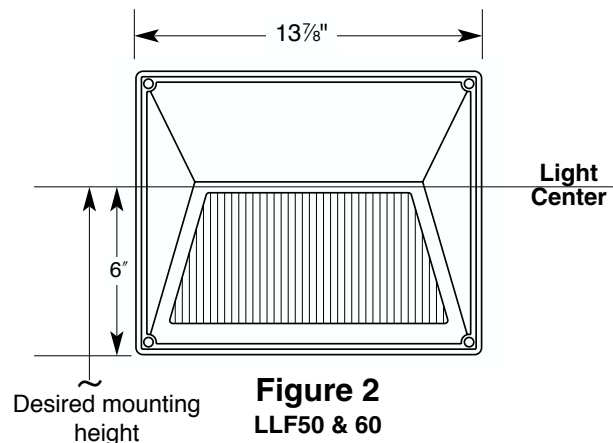
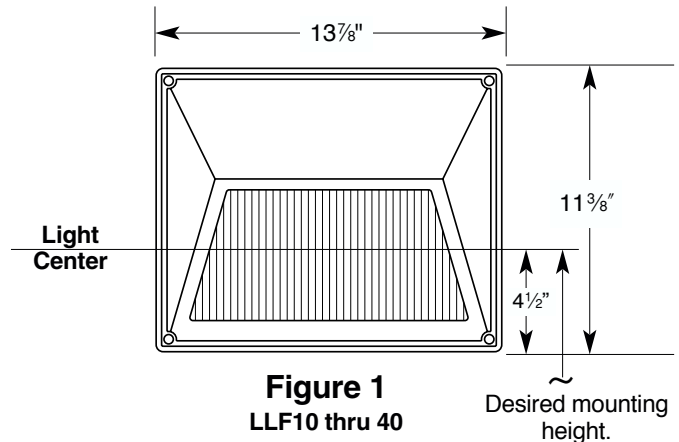
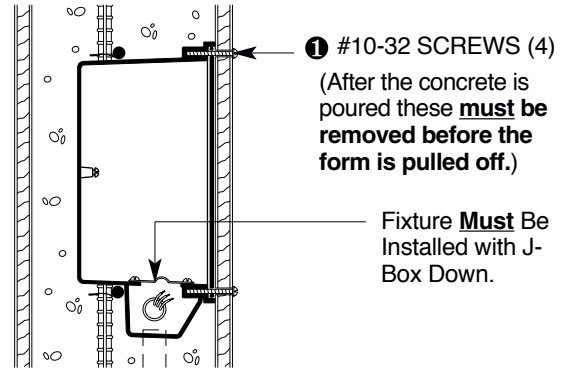
TOOLS REQUIRED: Flat Blade Screwdriver Silicone or Thread Sealant

INSTALLATION IN CONCRETE INSTRUCTIONS:

1. The housing may be fastened to the form at desired location using four #10-32 screws ❶ of the appropriate length to go through the form into the tapped holes in the corners of the housing flange. The locations of these screws are shown in Figure 1, below. The desired fixture mounting height is measured from the center of the lens, not the center of the housing. The fiberboard cover supplied with the housing may be used as a template to locate the screw holes in the form. Place the screws holding the cover into the housing (for reuse after pouring concrete). Reinstall the fiberboard cover after using it as a template. This will aid in keeping the housing gasket area clean.

IMPORTANT: After concrete has been poured, the four mounting screws ❶ **must be removed before the form is pulled off**. The tapped holes in the fixture housing are used for holding the door frame assembly; the threads will be damaged if the form is forced off before the screws are removed.

2. Tie rebar in position to hold the housing in place during pouring of concrete.
3. If two fixtures are mounted back-to-back as in a pedestal, they must be separated by a 1" minimum of concrete to prevent overheating of the ballast components.
4. The junction box is tapped 1" NPT. Connect conduit to the tapped holes at the end or bottom of the junction box as desired (field wires must be rated at least 60°C. See chart, on page 2). Seal all conduit connections with silicone sealant to prevent entry of moisture.
5. Install plugs into tapped holes remaining in junction box using thread sealant to prevent moisture from entering fixture.
6. The inside volume of the junction box is 25 cubic inches. The maximum number of through-wire and branch circuit conductors within the junction box must not exceed the limits listed in the chart below. This includes the fixture ballast leads.
7. Pour concrete in conventional manner.
8. After concrete has been poured, the four fixture mounting screws **must** be removed before the form is pulled off. See #1, above.



9. After wall is in place, make sure the interior and flange of the housing are clean and free of any cement residue. Also, make sure there is no dirt in tapped screw holes.
10. Reinstall the fiberboard cover (using screws shipped with fixture) over the fixture opening to keep dirt and excessive moisture out of housing until the ballast, reflector, and door assembly are ready for installation.
11. If wall is to be painted (or to receive a similar treatment) make sure that the fiberboard cover is in place before painting. This will keep the gasket area around the flange clean to provide adequate sealing when the door frame is installed.

FIELD WIRES MUST BE RATED AT LEAST 60°C				
Conductor Size	14 AWG	12 AWG	10 AWG	8 AWG
Maximum Number of Conductors	12	10	10	8

For warranty see: currentlighting.com/kimlighting