

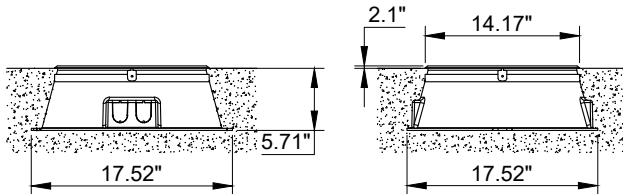
# INSTALLATION AND SERVICE MANUAL

**LIGMAN**  
LIGHTING USA

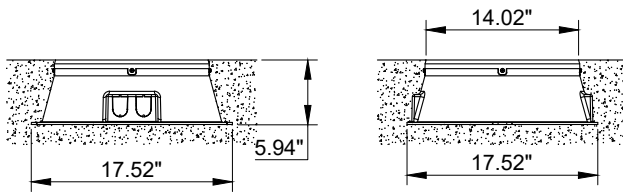
For installation of Kios Inground uplight round dia. 14.1" and dia. 14"  
Model. UKI-60647 and UKI-60657.

## Product drawing (dimensions)

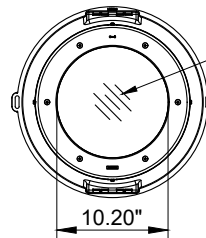
SUITABLE FOR WET LOCATIONS



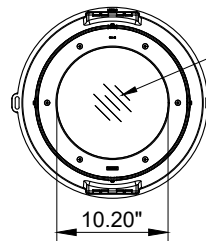
FRONT SURFACE RING UKI-60647



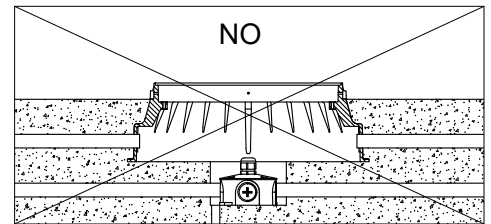
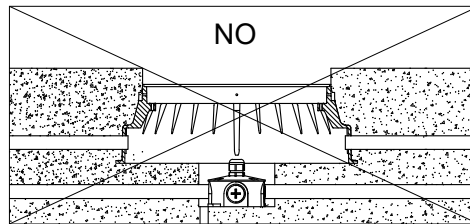
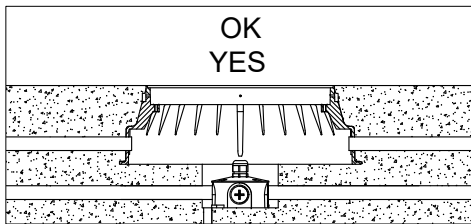
FRONT RECESS RING UKI-60657



TA 25 °C  
Glass surface temp  
UKI-60647=39 °C



TA 25 °C  
Glass surface temp  
UKI-60649=39 °C



### Notice to installer :

- 1.A level surface **MUST** be provided for proper installation.
- 2.A separate water proof wiring box for power connection must be provided (by others)
- 3.Fixtures may be damaged if connected to a system that contains water. The National Electric Code has specific requirements regarding connecting conduits through which moisture may contact energized live parts. These requirements must be strictly adhered to.
- 4.Warning Risk of Fire and electrical shock : Fixture must be installed by a qualified electrician only. the fixture is intended for installation in accordance with the National Electrical Code, Local and Federal Code Specifications. Disconnect power before servicing.
- 5.This fixture has a voltage specific ballast. Check supply voltage is the same as the installed ballast.
- 6.It is the installers responsibility to make sure that there is sufficient drainage underneath and around the surface of the fixture to ensure that the fixture is not immersed under water for extended periods of time.

### Water intrusion can be prevented by following simple drainage measures.

- \*The following installation procedures are required to ensure the integrity of the fixture and prevent water intrusion.
- \*Where the fixture is to be installed in concrete, a drain pipe 1/2 inch in diameter as well as adequate pea gravel should be laid from the bottom of the cavity to a drainage area.
- \*If installed in soft ground at least 17" of gravel should be laid directly below the fixture and a drain pipe of at least 1/2" in diameter should be installed from the top of the gravel near the underside of the fixture leading to a drainage area.
- \*The single or double cable glands that are provided must be securely fixed and properly tightened to the body of the fixture and tightened against the incoming power cord.
- \*Before installing the cover and closing up the fixture, ensure that there is no moisture or water inside and that all rubber gaskets are clean and do not have residue or sand on them.
- \*No silicon, glue or sealant should be used on the gaskets.

**Close adherence to the installation procedure and ensuring that the above conditions are fully complied with, is critical for a successful Installation of the inground (buried) fixtures**

**Please note that none compliance of the above instructions will void the guarantee provided by the factory.**

**Ligman Lighting USA**

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