



The LS393 is a compact inground option, utilizing 12 V MR16 lamps up to 35 W. **HumanTouch™** is an important feature of this series, allowing placement in accessible areas. Adjustability of the lamp ensures light can be delivered where it is required. This model is also available with a 6 W LED and integrated power supply, making it ideal for applications where line voltage input is required.

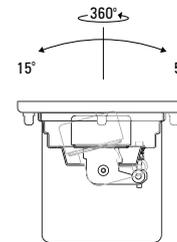
**Specifications**

<b>Lamp</b>	35 W max MR16 IRC (GU5.3)
<b>IP Rating</b>	IP68
<b>Construction</b>	316 marine grade stainless steel
<b>Installation Types</b>	<p><b>Pre-Installation Blockout</b> Concrete pour, drive-over &amp; general use applications</p> <p><b>Pre-Installation Collar</b> Decks &amp; grates</p> <p><b>Direct Burial</b> Landscapes, planters &amp; special applications <i>(consult factory)</i></p>
<b>Drive-over</b>	With <b>OptiClear™</b> lens and pre-installation blockout (LS647-K)
<b>Static Load Rating</b>	8 267 lb (3 750 kg) with <b>OptiClear™</b> lens and pre-installation blockout. <i>(Load applied to center of glass across a 2" (50 mm) dia. area)</i>
<b>Impact Rating</b>	IK9 with <b>OptiClear™</b> lens
<b>Standard Inclusions</b>	Teflon coated cover screws <b>MicroAntiLeach™</b> cable entry Internal hexcell louver
<b>Ambient Operating Temperature</b>	-4°F to 104°F (-20°C to 40°C)
<b>Glass Temperature</b>	≤149 °F (≤65 °C) <b>HumanTouch™</b> compliant

*Any luminaire can become hot - take care with appropriate use and placement*



**LS393**  
with round flush cover



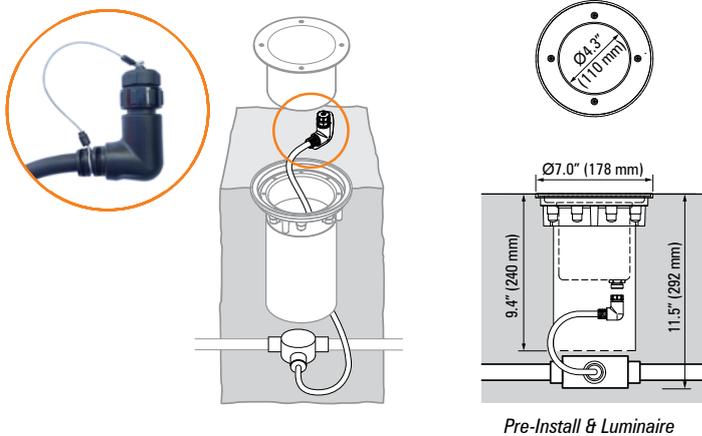
Why Use LS647-K-87 Pre-Installation Blockout?

The LS647-K-87 acts as a blockout, and is intended for installation before the luminaire however it has other special functions. To simplify the installation, every LS647-K-87 is supplied complete with a 3-way junction box, inside which the installer can make all necessary connections, and allows the completion of all wiring even before the luminaire arrives on site. This method also ensures the luminaire itself is not damaged during concreting or other site works. **Note: the junction box remains serviceable after installation.** To complete the installation, Lumascope provides an IP68 connector, enabling a tool-free final connection from the luminaire to the branch circuit. In addition, this connector is readily detachable, allowing for off-site maintenance.

Why Use LS647-K-84 Pre-Installation Blockout?

The LS647-K-84 pre-installation kit (order separately) is ideal for use in applications where maximum flexibility for the type and location of branch circuit connections are required or where exact site conditions may be unknown. For use with the LS647-K-84, Lumascope provides the LS393 complete with 3 m of factory-installed cable with **MicroAntiLeach™** seal. This provides the installer with greater flexibility to determine the type and location of the branch circuit connection. This option is also 100% hard-wired, and does not feature the IP68 detachable couplings for off-site maintenance. All aspects of the luminaire itself are still field serviceable.

Connection Type '87' for LS647-K-87 Pre-Installation Blockout



Pre-Install & Luminaire

IP68 Connector & Junction Box

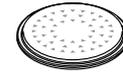
The luminaire is fitted with an IP68 connector, which attaches directly to the cable supplied with LS647-K-87, without the use of any tools. The cable is 1 m in length, and is factory assembled with a 3-way junction box – **Remains field serviceable after installation.**

Lens Options



OptiClear™ Glass

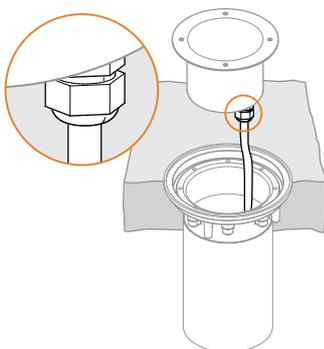
Glass of very high optical purity and load strength. Suitable for walk-over and drive-over applications.



GripGlass™

OptiClear™ glass with slip reduction glazing process. Suitable for walk-over and drive-over applications.

Connection Type '84' for LS647-K-84 Pre-Installation Blockout

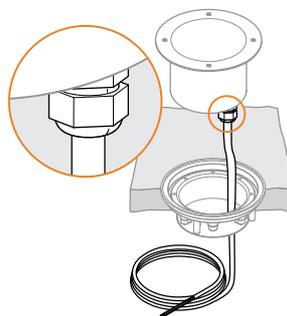


MicroAntiLeach™ Cable

For connection to the branch circuit via junction box (by others) or other approved method.

3 m length. For other length options, consult factory.

Connection Type '84' for LS647-2 Pre-Installation Collar



MicroAntiLeach™ Cable

For connection to the branch circuit via junction box (by others) or other approved method.

3 m length. For other length options, consult factory.

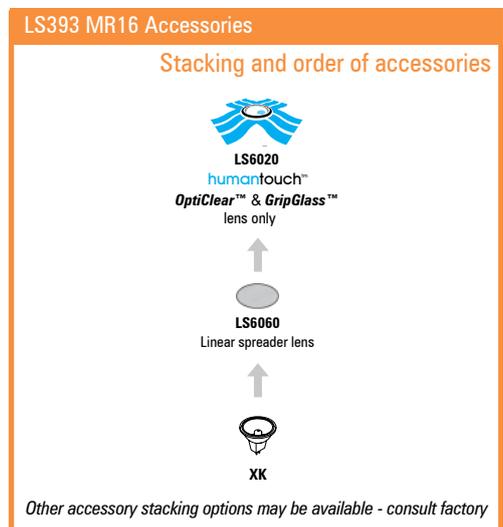
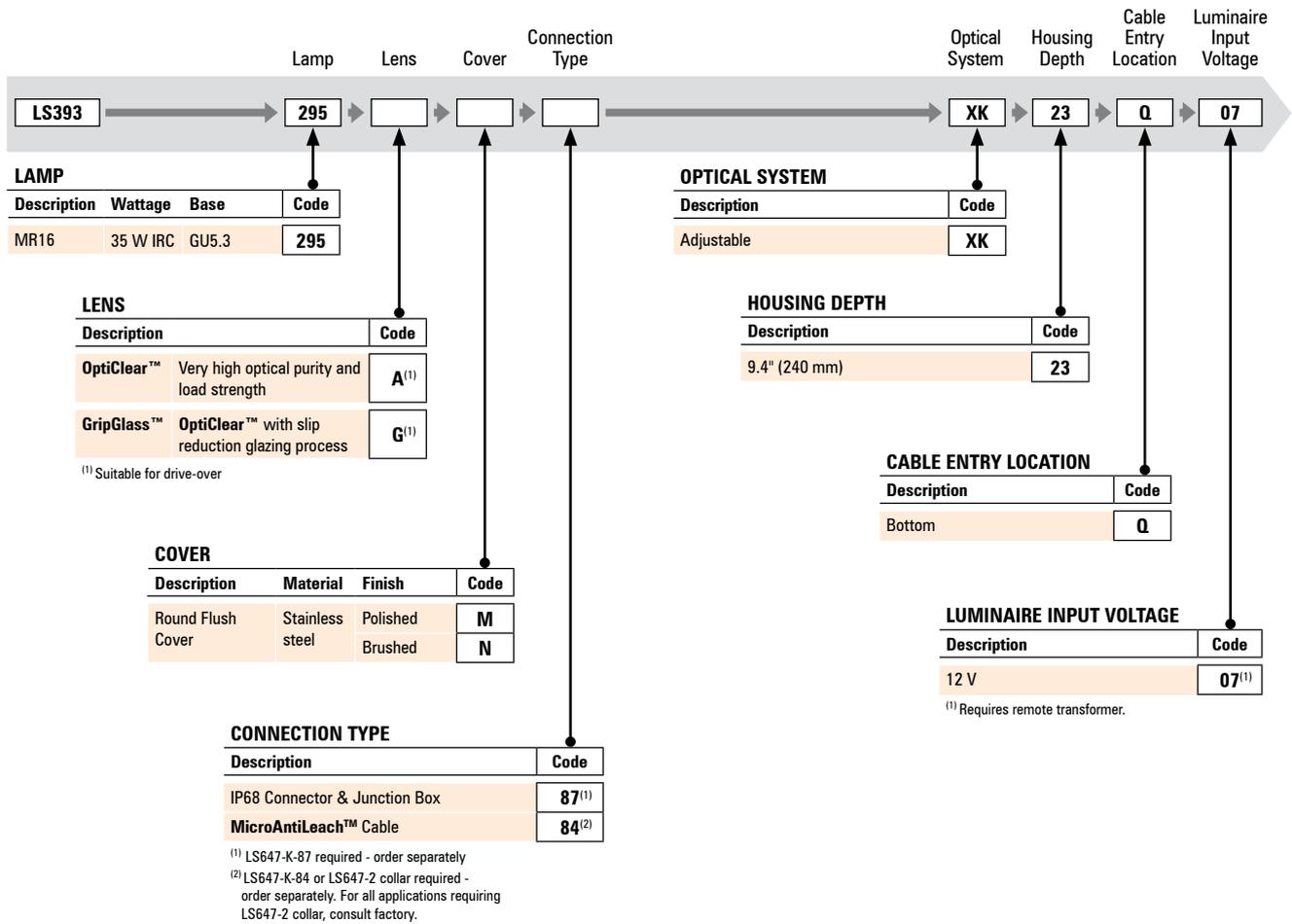
Flush Cover Options

Flush covers for pre-installation use special seals and support bushes to ensure static loads up to 4 400 lb (2 000 kg) are properly supported. In order to achieve this drive-over rating, **OptiClear™** or **GripGlass™** must be used.



Pre-Installation Blockout Round Flush Cover

- SS316: Polished
- SS316: Brushed



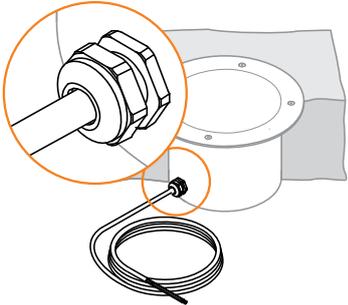
Why Use Direct Burial?

Direct burial installation is ideal for landscaping areas or for special applications where depth is restricted. This type of installation also allows for maximum heat dissipation. The 316 grade Stainless Steel construction of the luminaire performs flawlessly in alkaline and acidic soil types, and is also rated for use in concrete pour applications. **Note: This installation type has no option for a pre-installation blackout.**

Lumascap provides the LS393 complete with 3 m of factory installed cable, supplied complete with **MicroAntiLeach™** seal. This provides the installer with greater flexibility to determine the location of the electrical connection. This connection is also 100% hard-wired. All aspects of the luminaire itself remains field servicable.

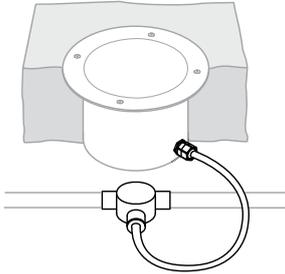
**Consult factory for application advice prior to using this configuration.**

**Connection type '84'**  
for 'Direct Burial' housing



**MicroAntiLeach™ Cable**  
For connections to the branch circuit via junction box (by others) or other approved method. 3 m length.  
For other length options, consult factory.

**Connection type '81'**  
for 'Direct Burial' housing

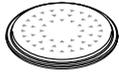


**Armoured Cable & Junction Box**  
The luminaire is factory-fitted with a 0.6 m armoured cable. Ensure terminations can be made within this length.  
For other length options, consult factory.

**Lens Options**



**OptiClear™ Glass**  
Glass of very high optical purity and load strength. Suitable for walk-over and drive-over applications.



**GripGlass™**  
**OptiClear™** glass with slip reduction glazing process. Suitable for walk-over and drive-over applications.

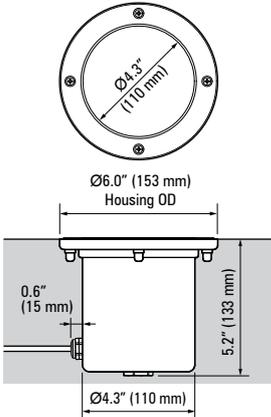
**Recessed Cover Options**

Use recessed cover for installation in soil, grass, pavers and other uneven surfaces where no cover overhang is desired.



**Recessed Cover**

- SS316: Polished
- SS316: Brushed



**Flush Cover Options**

Use flush covers for installation in fine finished surfaces such as granite and marble. They can also be used in some suspended applications. The flush cover will conceal gaps between the luminaire and the surrounding surface.



**Round Flush Cover**

- SS316: Polished
- SS316: Brushed

