

LS393LED

Ingrade



The LS393LED is a compact ingrade option featuring a 6 W LED module with output up to the equivalent of a 50 W MR16. The use of LED is an important feature of this series, allowing placement in areas requiring HumanTouch™ surface temperatures. Tilt angle adjustability ensures light can be delivered where it is required. The LS393LED is supplied standard with an integral, line voltage power supply, making it the ideal unit for all general uplighting applications.

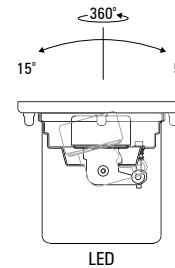
Specifications

Lamp source	3 W or 6 W LED <input type="checkbox"/> White (4 300 K typical) <input type="checkbox"/> Warm white (2 900 K typical) <input type="checkbox"/> Blue (470 nm) <i>Other colors by request</i> <input type="checkbox"/> RGB (<i>consult factory for full details</i>)
UL classification	Suitable for wet locations
Control Protocol <i>(optional, consult factory)</i>	PWM Step Dim RGB via DMX
IP rating	IP68
Construction	316 marine grade stainless steel
Installation types	Pre-Installation Blockout Concrete pour, drive-over etc. Direct Burial Landscapes, planters etc.
Drive-over	With OptiClear™ lens and pre-installation blockout (LS637-K or LS637-K-SP)
Static load rating	8 300 lb (3 750 kg) with OptiClear™ lens and pre-installation blockout (LS637-K or LS637-K-SP)
Impact rating	IK9 with OptiClear™ lens
Standard inclusions	Teflon coated cover screws MicroAntiLeach™ wire entry Thermal cutout Internal glare control louver
Ambient operating temperature	-22 °F to 122 °F (-30 °C to +50 °C)
Surface temperature	≤ 113 °F (45 °C)
Photometrics	www.lumandscape.com

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



LS393LED Round Flush Cover



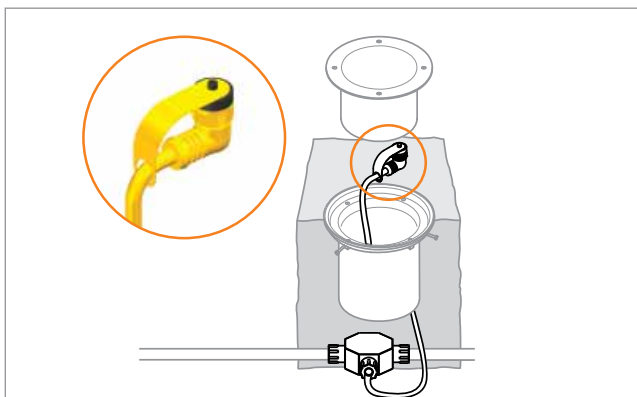
Why Use LS637-K Pre-Installation Blockout?

The LS637-K pre-installation kit (order separately) is a key aspect of Lumascape's approach to engineering high performance ingrade product. The LS637-K acts as a blockout, and is intended for installation before the luminaire however it has other special functions. To simplify the installation, every LS637-K is supplied complete with a 4-way, PVC 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, Lumascape 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 LS637-K-SP Pre-Installation Blockout?

The LS637-K-SP 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. The LS637-K-SP is also for use with all applications requiring a color changing or dimmable lighting scheme. For use with the LS637-K-SP, Lumascape provides the LS393LED complete with 6.5' of factory-installed hookup wire and a 1/2" NPT adapter (complete with a 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 '85' for LS637-K Pre-Installation Blockout

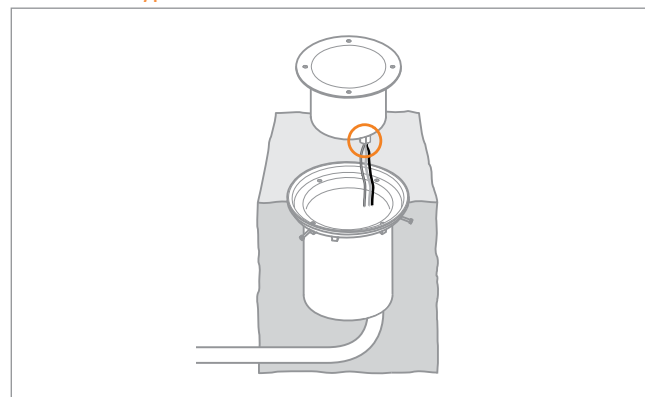


IP68 Connector & Junction Box

The luminaire is fitted with an IP68 connector, which attaches directly to the cable supplied with LS637-K, without the use of any tools. The cable is 1.8 ft (0.56 m) in length, and is factory assembled with a 4 way junction box which remains field serviceable after installation.

not suitable for color changing or dimmable applications.

Connection Type '82' for LS637-K-SP Pre-Installation Blockout



Single Conduit Entry 0.5 inch NPT

For 0.5 inch conduit installation with MicroAntiLeach™ wire entry.

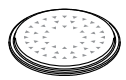
c/w 6.5 ft (2.0 m) hook-up wire.

Lens Options



OptiClear™ Glass

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



GripGlass™

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



Borosilicate Glass

Ideal for general use areas. Not suitable for drive-over application.

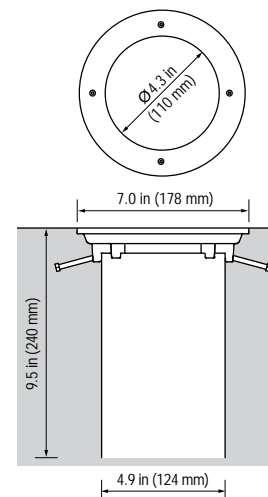
Cover Options for Pre-Installation Blockout

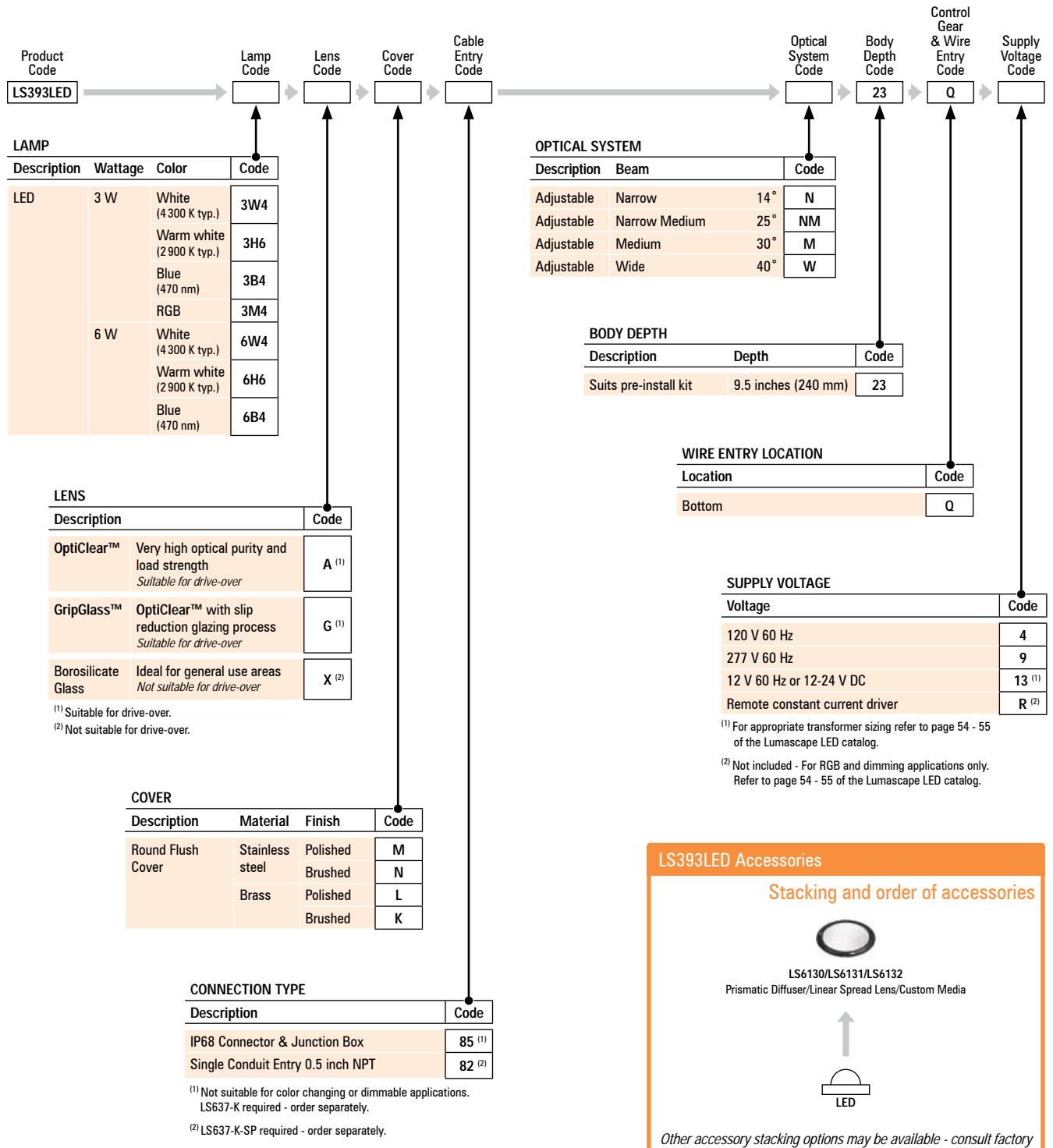
Flush covers for pre-installation use special seals and support bushes to ensure static loads up to 8 260 lb (3 750 kg) are properly supported. In order to achieve this drive-over rating, OptiClear™ or GripGlass™ must be used.



Pre-Installation Blockout Round Flush Cover

- SS316: Polished ■ Brass: Polished
- SS316: Brushed ■ Brass: Brushed

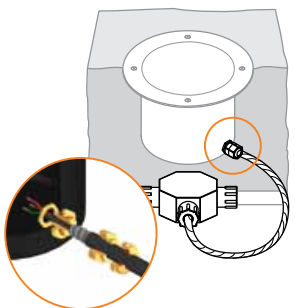




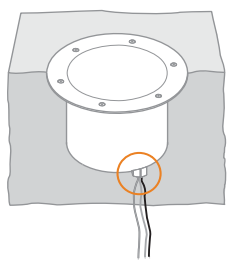
Why Use Direct Burial

Direct burial installation is ideal for landscaping areas or in locations where the depth is restricted. This type of installation also allows for maximum heat dissipation. The stainless steel construction of the luminaire performs flawlessly in alkaline and acidic soil types, as well as chemically fertilized landscapes.

Cable Entry Options for Direct Burial




Armored Cable MC & Splice Box
Armored cable 2 ft (0.6 m) provides protection against damage to cable between luminaire and 4 way splice box (included). Allows for loop in/loop out and flexibility of luminaire placement.
Not available for use with optional control protocols. Side-located entry only.

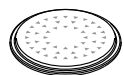


Single Conduit Entry 0.5 inch NPT
For 0.5 inch conduit installation with MicroAntiLeach™ wire entry. c/w 6.5 ft (2.0 m) hook-up wire.

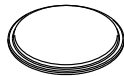
Lens Options



OptiClear™ Glass
Glass of very high optical purity and load strength.



GripGlass™
OptiClear™ glass with slip reduction glazing process.




Borosilicate Glass
Ideal for general use areas and areas without pedestrian traffic.

Cover Options for Direct Burial

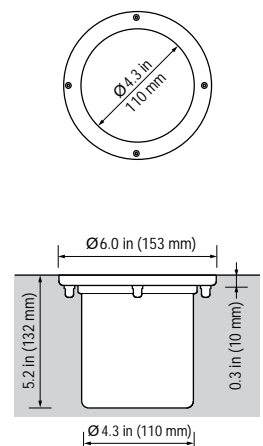
Use recessed cover for installation in soil, grass, pavers and other uneven surfaces where no cover overhang is desired.


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.



Recessed Cover

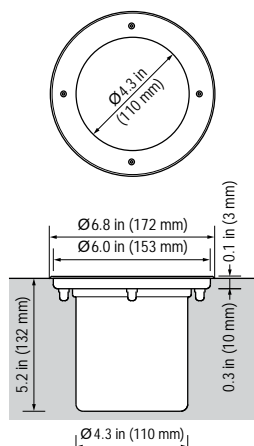
- SS316: Polished
- SS316: Brushed
- Brass: Polished






Round Flush Cover

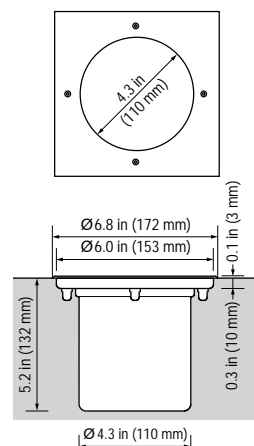
- SS316: Polished
- SS316: Brushed
- Brass: Polished

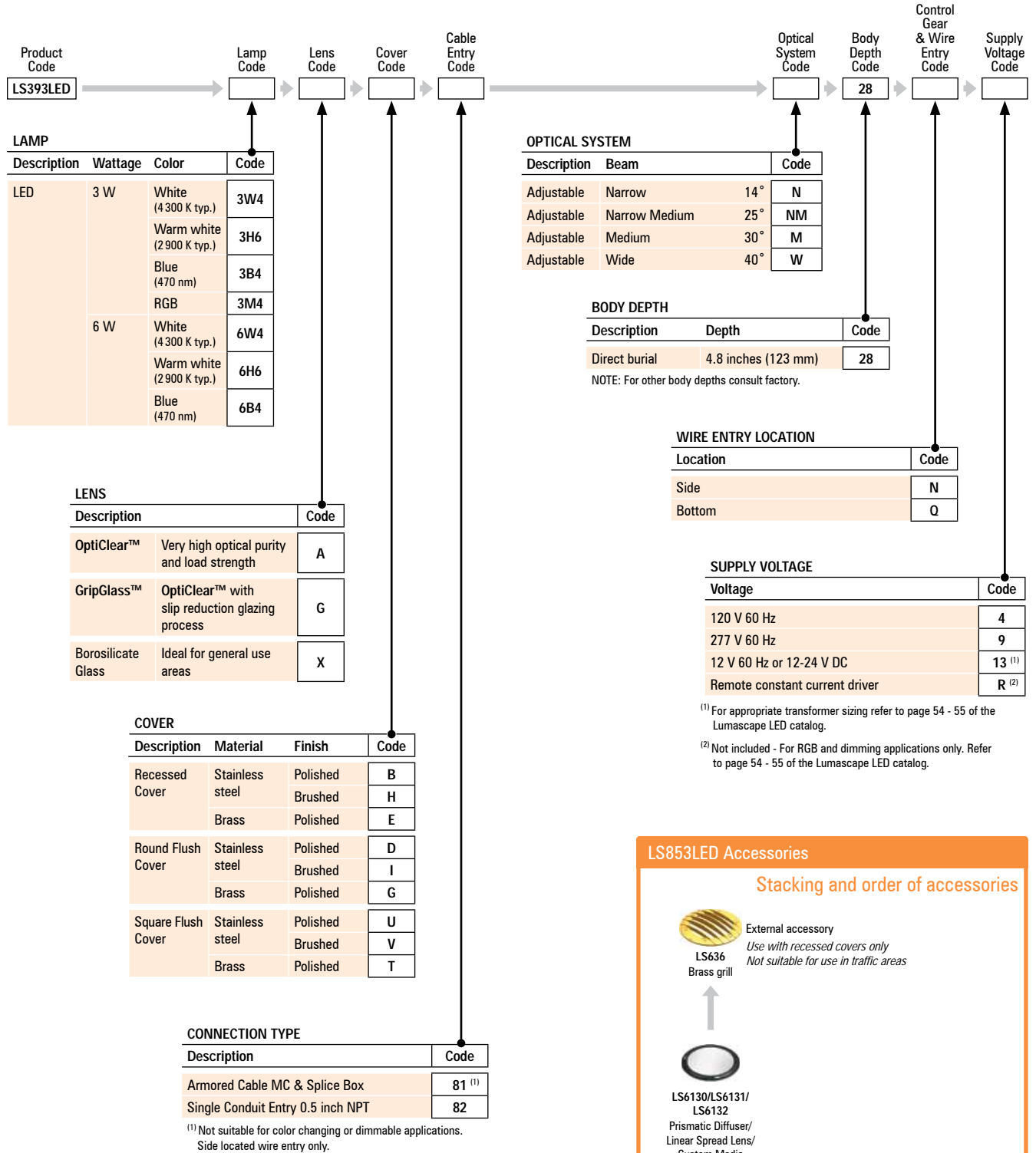




Square Flush Cover

- SS316: Polished
- SS316: Brushed
- Brass: Polished





LS853LED Accessories

Stacking and order of accessories

External accessory
Use with recessed covers only
Not suitable for use in traffic areas

LS636 Brass grill

LS6130/LS6131/LS6132
Prismatic Diffuser/
Linear Spread Lens/
Custom Media

LED

Photometrics

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.lumescape.com.

Note: No depreciation factor is applied to the data shown.

