

## LS853

Ingrade



LS853 is a remotely ballasted, shallow depth ingrade luminaire, measuring only 7.1" (180 mm) deep in a direct burial configuration. This luminaire is often used in suspended surfaces and other locations where depth is critical.

### Specifications

<b>Lamp Source</b>	39 W, 70 W MH T6 (G12) <i>Remote ballast only</i>
<b>Approved Use</b>	Suitable for wet locations Suitable for use in poured concrete
<b>IP Rating</b>	IP68
<b>Construction</b>	316 marine grade stainless steel
<b>Installation Types</b>	<b>Pre-Installation Blockout</b> Concrete pour, drive-over & general use applications  <b>Direct Burial</b> Landscapes, planters & special applications <i>(consult factory)</i>
<b>Drive-over</b>	With <b>OptiClear™</b> lens and pre-installation blockout (LS6052-K or LS6052-K-SP)
<b>Static Load Rating</b>	8 140 lb (3700 kg) with <b>OptiClear™</b> lens and pre-installation blockout <i>(Load applied to center of glass across a 2" diameter area)</i>
<b>Impact Rating</b>	IK10 with <b>OptiClear™</b> lens
<b>Standard Inclusions</b>	Electronic ballast, remotely located. <i>NEMA enclosure required- by others.</i> <i>Must be within 6' of the luminaire</i> Teflon coated cover screws <b>MicroAntiLeach™</b> wire entry
<b>Ambient Operating Temperature</b>	-20 °F to -30 °F (0 °C to 40 °C)
<b>Accessories</b>	<b>LS6052-K/LS6052-K-SP</b> Pre-installation blockout
<b>Remote Ballasts</b> <i>Order separately</i>	<b>RM1699A</b> 39 W electronic ballast <b>RM1565A</b> 70 W electronic ballast
<b>Photometrics</b>	Refer to <a href="http://www.lumascape.com">www.lumascape.com</a>
<b>Glass Temperature</b> ≤ 149 °F (≤ 65 °C)	<b>HumanTouch™</b> compliant models 39 W MH T6

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



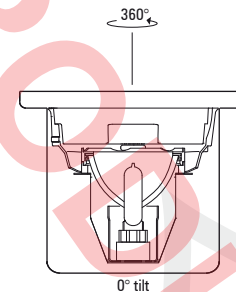
**LS853**

*Metal Halide with PureOptics™ reflector and round flush cover*



**LS853**

*Metal Halide with PureOptics™ reflector and square flush cover*



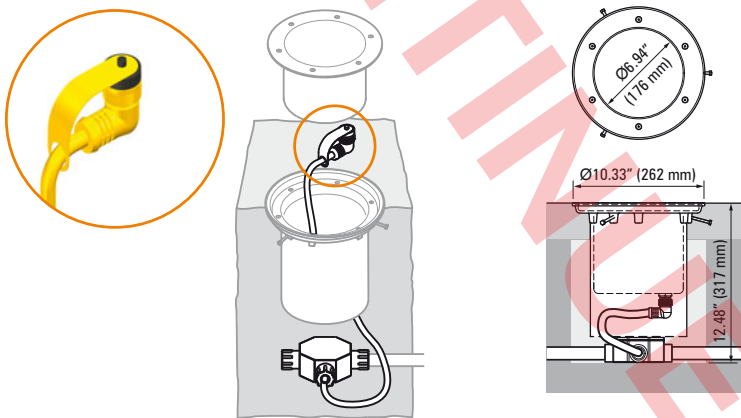
## Why Use LS6052-K Pre-Installation Blockout?

The LS6052-K acts as a blockout, and is intended for installation before the luminaire however it has other special functions. To simplify the installation, every LS6052-K is supplied complete with a 4-way, 3/4" 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 LS6052-K-SP Pre-Installation Blockout?

The LS6052-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. For use with the LS6052-K-SP, Lumascape provides the LS853 complete with 6.5' of factory-installed hookup wire and a 1/2" NPT adapter or an S00W cord (both options include 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 LS6052-K Pre-Installation Blockout



#### IP68 Connector & Junction Box

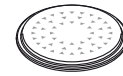
The luminaire is fitted with an IP68 connector, which attaches directly to the cord supplied with LS6052-K, without the use of any tools. The cable is 1.8' (0.56 m) in length, and is factory assembled with a 4-way, 3/4" junction box - **Remains field serviceable after installation.**

### Lens Options



#### OptiClear™ Glass

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



#### GripGlass™

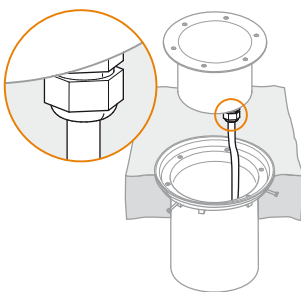
OptiClear™ glass with slip reduction glazing process. Suitable for walk-over and drive-over applications.



#### Borosilicate Glass

Ideal for limited access locations. Not recommended for high traffic pedestrian areas.

### Connection Type '84' for LS6052-K-SP Pre-Installation Blockout

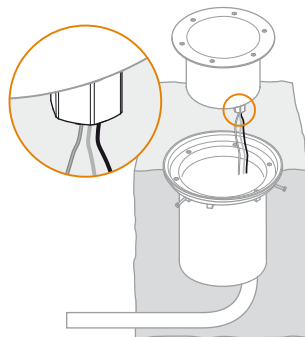


#### 6.5' S00W Cord

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

c/w 6.5' S00W Cord (16/3)

### Connection Type '82' for LS6052-K-SP Pre-Installation Blockout



#### 1/2" NPT Adapter

The luminaire is factory-fitted with 6.5' hookup wire. Ensure terminations can be made within this length.

For other length options, consult factory.

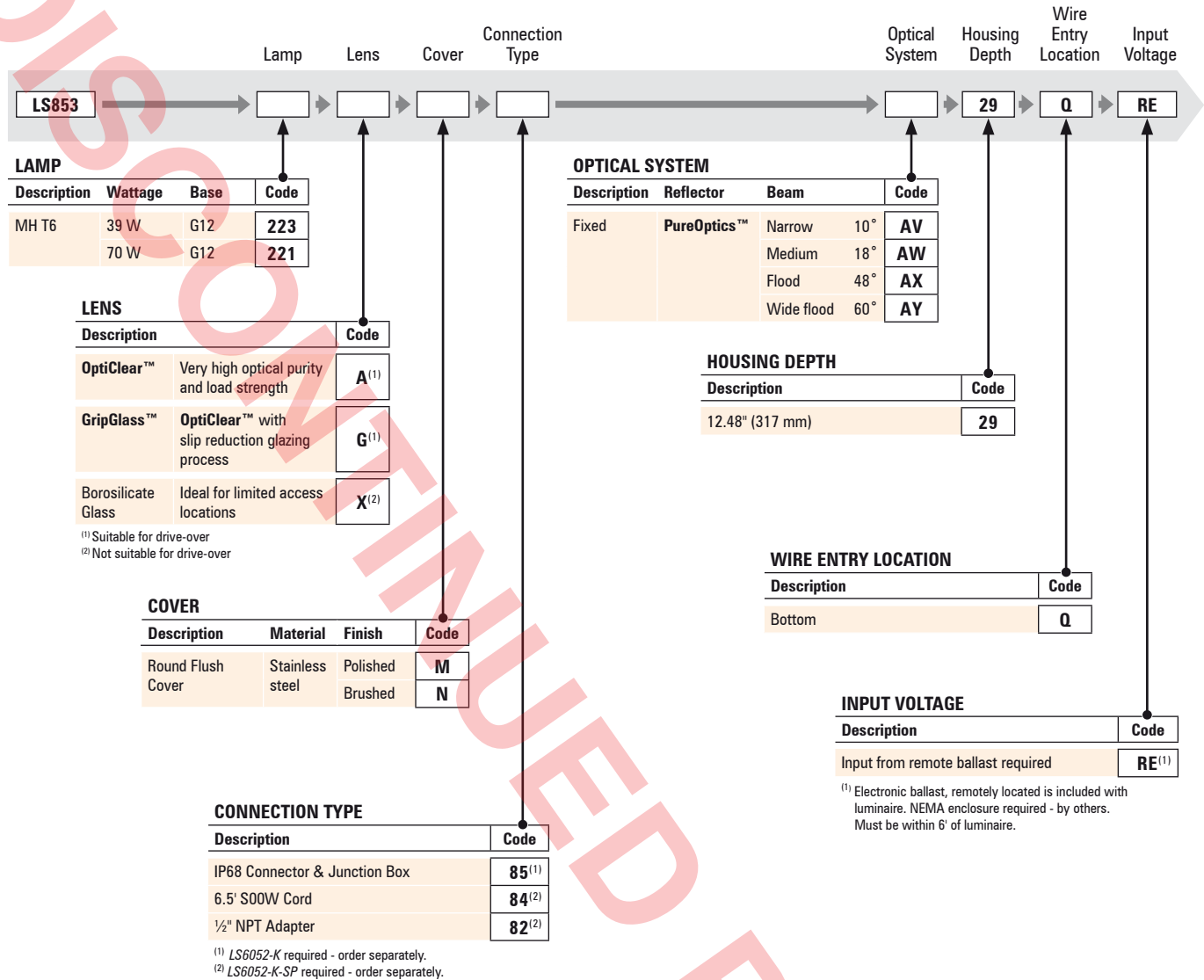
### Cover Options for Pre-Installation Blockout

Flush covers for pre-installation use special seals and support bushes to ensure static loads up to 8 140 lb (3 700 kg) are properly supported. In order to achieve this drive-over rating, **OptiClear™** or **GripGlass™** must be used.

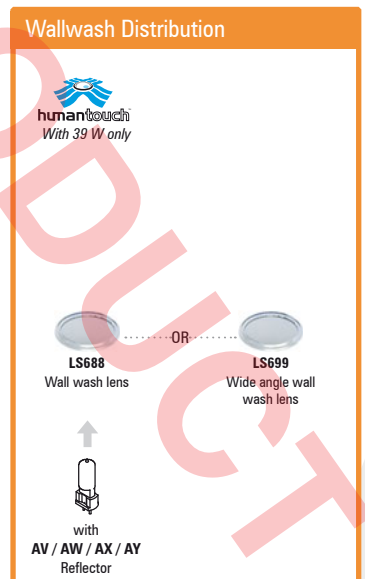
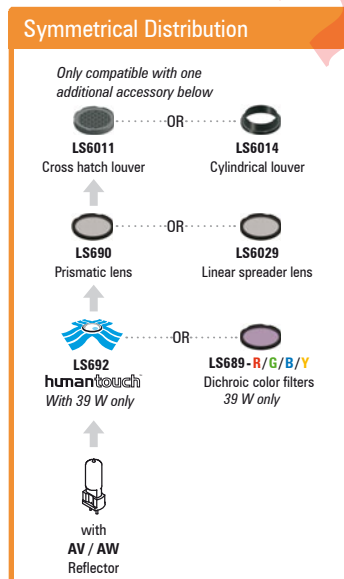


#### Pre-Installation Blockout Round Flush Cover

■ SS316: Polished ■ SS316: Brushed



Stacking and order of accessories



Other accessory stacking options may be available - consult factory

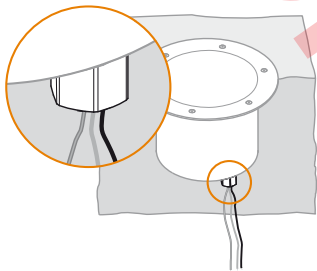
## Why Use Direct Burial?

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 LS853 complete with 6.5' of factory installed hookup wire and ½" NPT adapter, supplied complete with **MicroAntiLeach™** seal. This provides the installer with greater flexibility to determine the nature of the branch circuit connection. This connection is also 100% hardwired. All aspects of the luminaire itself remains field servicable.

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

### Connection type '82' for 'Direct Burial' housing



#### ½" NPT Adapter

The luminaire is factory-fitted with 6.5' hookup wire. Ensure terminations can be made within this length.

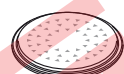
For other length options, consult factory.

### Lens Options



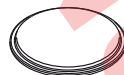
#### OptiClear™ Glass

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.



#### Borosilicate Glass

Ideal for limited access locations. Not recommended for high traffic pedestrian areas.

### Cover Options for Direct Burial

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

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.



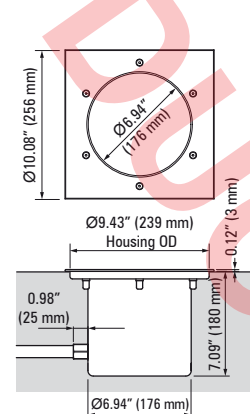
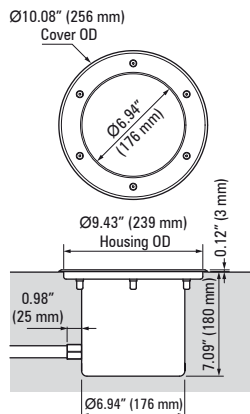
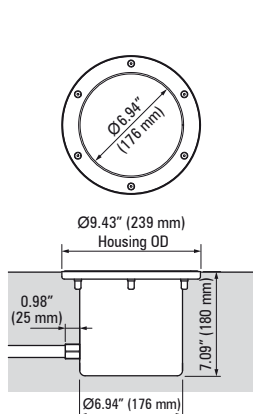
#### Round Flush Cover

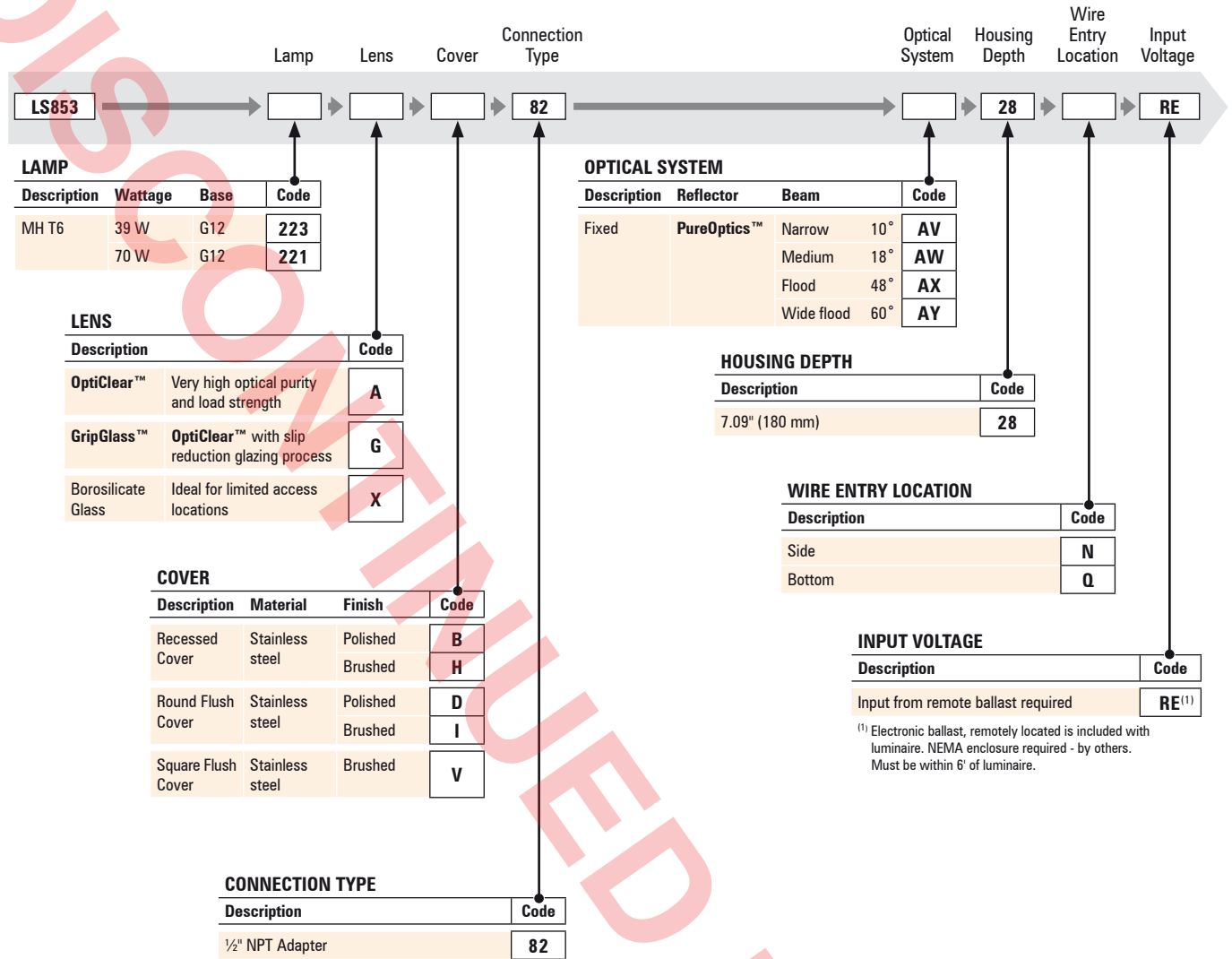
- SS316: Polished
- SS316: Brushed



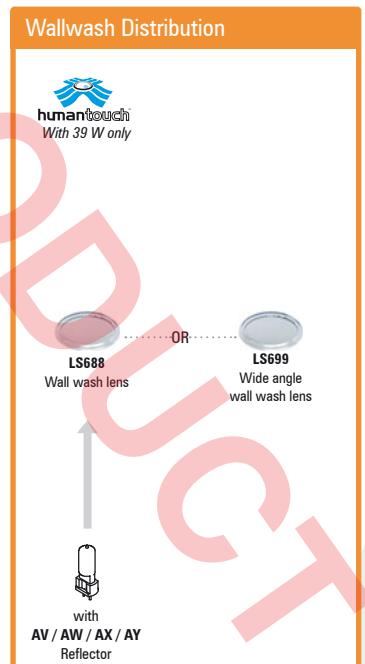
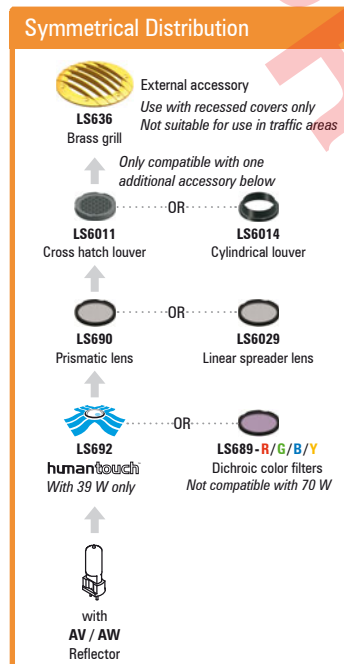
#### Square Flush Cover

- SS316: Polished
- SS316: Brushed





Stacking and order of accessories



Other accessory stacking options may be available - consult factory