

LS843

Ingrade



The LS843 is a 20 W metal halide luminaire used for general uplighting applications. Available with wall wash lens, this luminaire is ideal for low level wall washing. Measuring only 7.1" (180 mm) deep in direct burial format, the LS843 is suitable for reduced depth applications where other integral ballast luminaires cannot be used.

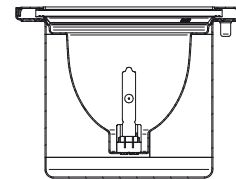
Specifications

Lamp Source	20 W MH T4 (G8.5)
Approved Use	Suitable for wet locations Suitable for use in poured concrete
IP Rating	IP68
Construction	316 marine grade stainless steel
Installation Types	Pre-Installation Blockout Concrete pour, drive-over & general use applications Direct Burial Landscapes, planters & special applications (consult factory)
Drive-over	With OptiClear™ lens and pre-installation blockout (LS6052-K or LS6052-K-SP)
Static Load Rating	8 140 lb (3 700 kg) with OptiClear™ lens and pre-installation blockout (Load applied to center of glass across a 2" diameter area)
Impact Rating	IK10 with OptiClear™ lens
Standard Inclusions	Teflon coated cover screws MicroAntiLeach™ wire entry
Ambient Operating Temperature	-20 °F to 122 °F (-30 °C to 40 °C)
Accessories	LS6052-K/LS6052-K-SP Pre-installation blockout Order separately
Photometrics	Refer to www.lumascape.com
Glass Temperature	HumanTouch™ compliant ≤149 °F (≤65 °C)

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



LS843
20 W MH T4 with round flush cover



XJ / XK

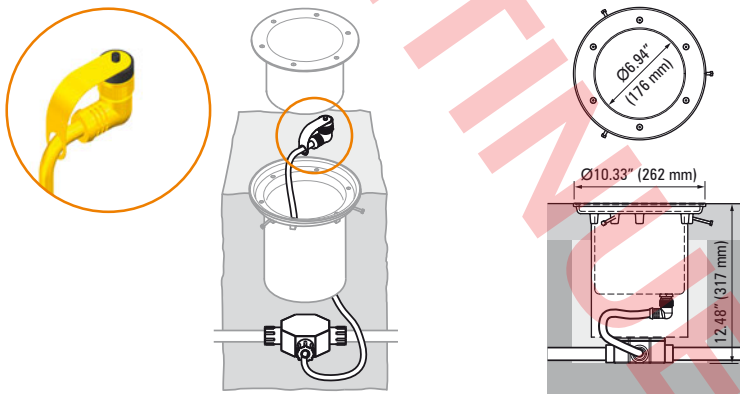
Why Use LS6052-K Pre-Installation Blockout?

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 LS843 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

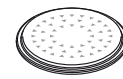
The luminaire is fitted with an IP68 connector, which attaches directly to the cord supplied with LS6052-K, without the use of any tools. The cable is 1.8' (0.56 m) in length, and is factory assembled with a 4-way, 3/4" junction box – **Remains field serviceable after installation.**

Lens Options



OptiClear™ Glass

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



GripGlass™

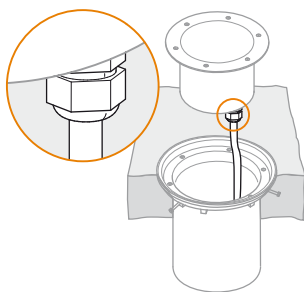
OptiClear™ glass with slip reduction glazing process. Suitable for walk-over and drive-over applications.



Borosilicate Glass

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

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

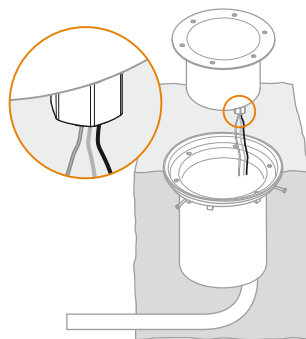


6.5' S00W Cord

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



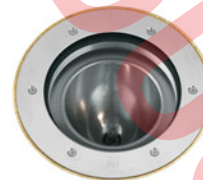
1/2" NPT Adapter

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

For other length options, consult factory.

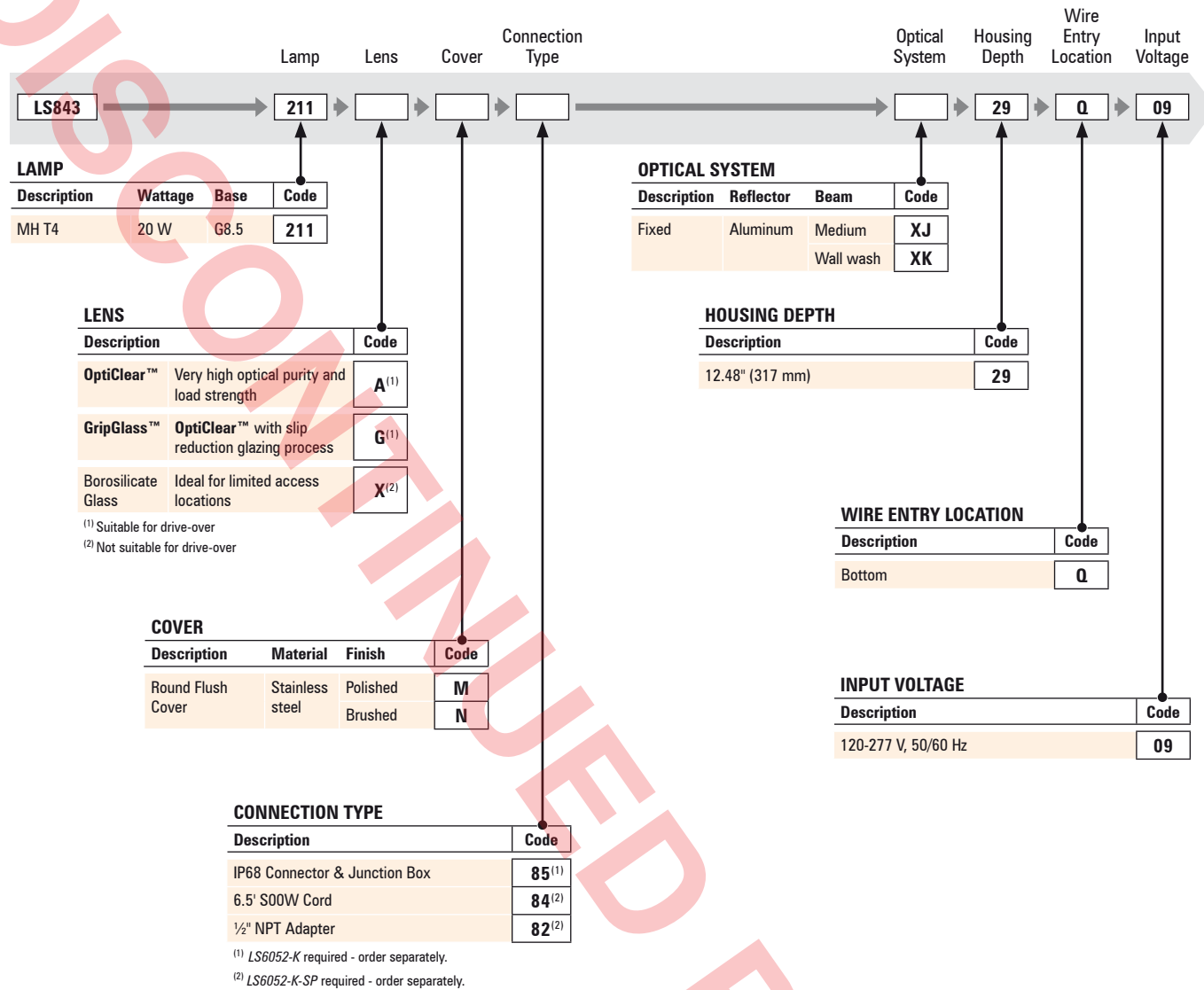
Cover Options for Pre-Installation Blockout

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



LS843 Accessories

Stacking and order of accessories

with XJ / XK Reflector

LS6013 Slatted louver

LS6012 Cross hatch louver

LS699 Wide angle wall wash lens

LS691 Prismatic lens

LS686-R/G/B/Y Dichroic color filter

LS685 Linear spreader lens

human touch standard

Other accessory stacking options may be available - consult factory

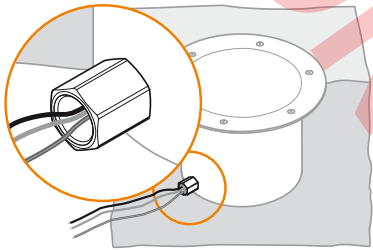
Why Use Direct Burial?

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 LS843 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.

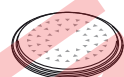
For other length options, consult factory.

Lens Options



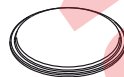
OptiClear™ Glass

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.

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



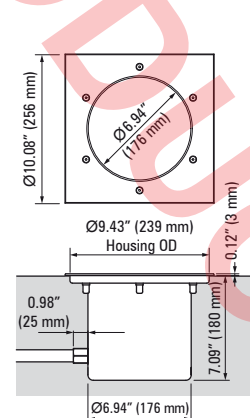
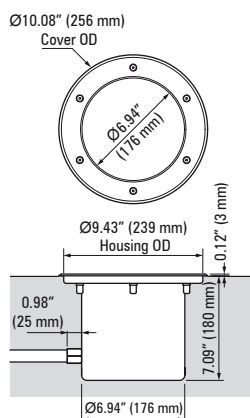
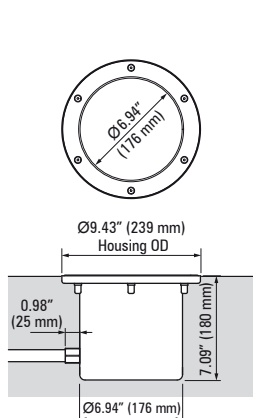
Round Flush Cover

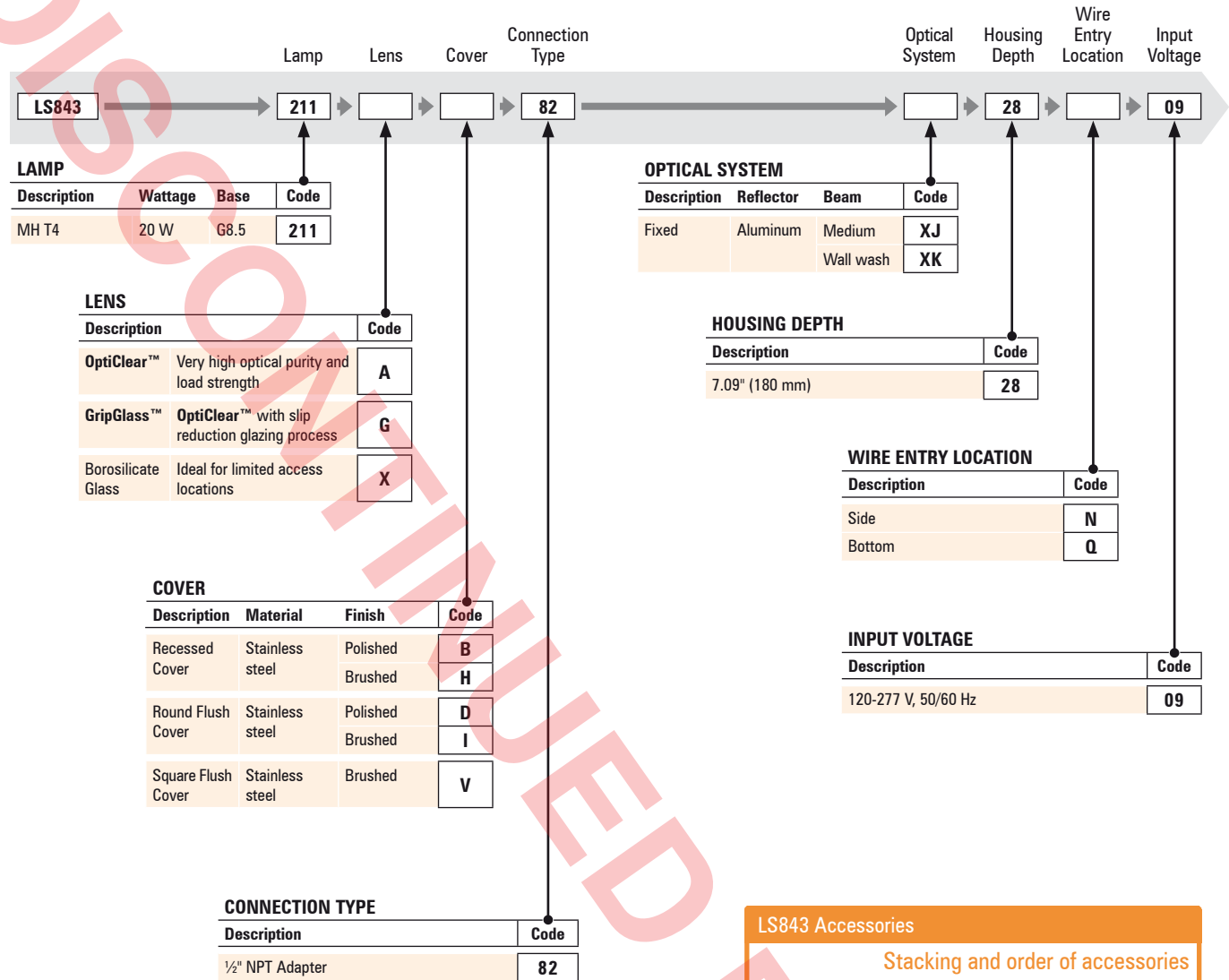
- SS316: Polished
- SS316: Brushed



Square Flush Cover

- SS316: Polished
- SS316: Brushed





LAMP

Description	Wattage	Base	Code
MH T4	20 W	G8.5	211

LENS

Description	Code
OptiClear™ Very high optical purity and load strength	A
GripGlass™ OptiClear™ with slip reduction glazing process	G
Borosilicate Glass Ideal for limited access locations	X

COVER

Description	Material	Finish	Code
Recessed Cover	Stainless steel	Polished	B
		Brushed	H
Round Flush Cover	Stainless steel	Polished	D
		Brushed	I
Square Flush Cover	Stainless steel	Brushed	V

CONNECTION TYPE

Description	Code
½" NPT Adapter	82

OPTICAL SYSTEM

Description	Reflector	Beam	Code
Fixed	Aluminum	Medium	XJ
		Wall wash	XK

HOUSING DEPTH

Description	Code
7.09" (180 mm)	28

WIRE ENTRY LOCATION

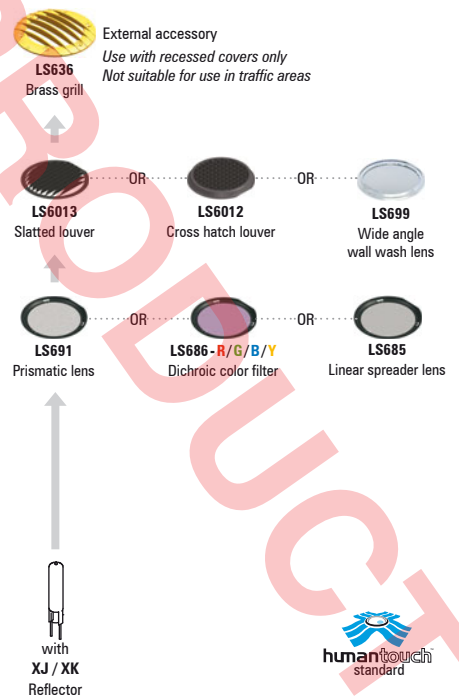
Description	Code
Side	N
Bottom	Q

INPUT VOLTAGE

Description	Code
120-277 V, 50/60 Hz	09

LS843 Accessories

Stacking and order of accessories



Other accessory stacking options may be available - consult factory