



The LS853 is a full featured shallow depth inground luminaire. The LED luminaire features a built in driver, and measures only 180 mm deep (in direct burial format). The ability to aim the luminaire ensures the most efficient light delivery can be set according to the site conditions.

SPECIFICATIONS

Lamp Source	MH / HIT T6 (G12) 35 W, 70 W <i>Remote control gear only</i>
IP Rating	IP68
Construction	316 marine grade stainless steel
Installation Types	Direct burial <i>Landscapes, etc.</i> Mounting collar <i>Decks and grates (LS640)</i> Pre-installation blackout <i>Drive-over or other applications requiring pre-installation (LS6058-K)</i>
Drive-over	With OptiClear™ lens and pre-installation blackout
Static Load Rating	4200 kg with OptiClear™ lens and pre-installation blackout
Impact Rating	IK10 with OptiClear™ lens
Standard Inclusions	Teflon coated cover screws MicroAntiLeach™ cable entry Thermal cutout Humidity absorbent desiccant
Ambient Operating Temperature	-20 °C to 40 °C
Warranty	10 year structural, 1 year electrical
Accessories <i>Order separately</i>	Refer to page 3 for direct burial Refer to page 5 for pre-installation
Photometrics	Go to www.lumascape.com.au ▶ Technical Data ▶ Photometric Files
Glass Temperature	HumanTouch™ compliant models ≤65 °C 35 W MH / HIT T6

NOTE: Product specifications are subject to change without notice. Any luminaire can become hot - take care with appropriate use and placement



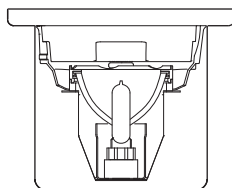
LS853 Recessed Cover
Metal halide with **PureOptics™** reflector



LS853 Round Flush Cover
Metal halide with **PureOptics™** reflector



LS853 Pre-installation Round Flush Cover
Metal halide with **PureOptics™** reflector

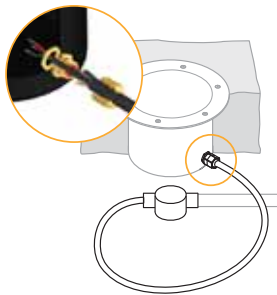


AV / AW / AX / AY
PureOptics™
Reflector

WHY USE DIRECT BURIAL

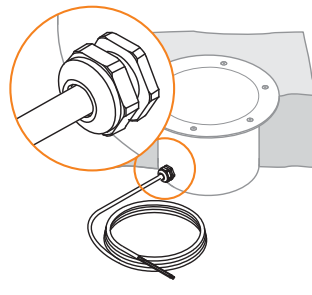
Direct burial installation is ideal for landscaping areas or in locations where the depth is restricted. This type of installation also allows for maximum heat dissipation. The stainless steel construction of the luminaire performs flawlessly in alkaline and acidic soil types, as well as chemically fertilised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

Cable Entry Option for Direct Burial



Armoured Cable & Junction Box

Armoured cable 0.6 m provides protection against damage to cable between luminaire and 3 way junction box (included). Allows for loop in/loop out and flexibility of luminaire placement.



Single Gland Entry

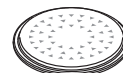
MicroAntiLeach™ and 3 m flexible cable provide additional protection to luminaire against water ingress via cable.

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.

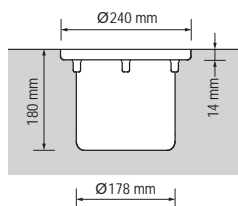
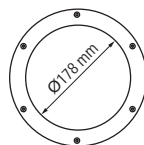
Cover Options for Direct Burial



Recessed Cover

- SS316: Polished
- SS316: Brushed

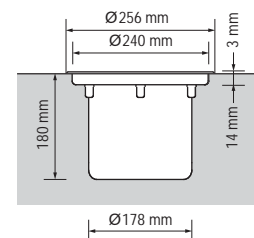
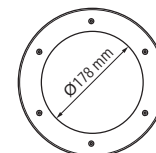
Use recessed cover for installation in soil, grass, pavers and other uneven surfaces where no cover overhang is desired.



Round Flush 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 (decks, etc). The flush cover will conceal gaps between the luminaire and the surrounding surface.



CONFIGURE THIS PRODUCT >

Product Code: **LS853**

Lamp Code: [] Lens Code: [] Cover Code: [] Cable Entry Code: []

Optical System Code: [] Body Depth Code: **28** Control Gear & Cable Entry Code: [] Supply Voltage Code: []

SOURCE			
Lamp	Wattage	Base	Code
MH / HIT T6	35 W	G12	223
	70 W	G12	221

LENS	
Description	Code
OptiClear™ Very high optical purity and load strength	A
GripGlass™ OptiClear™ with slip reduction glazing process	G
Borosilicate glass Ideal for general use areas	X

COVER			
Description	Material	Finish	Code
Recessed cover	Stainless steel	Polished	B
		Brushed	H
Round flush cover	Stainless steel	Polished	D
		Brushed	I

CABLE ENTRY	
Description	Code
Armoured cable & J-box	81
Single gland entry, MicroAntiLeach™	84

OPTICAL SYSTEM			
Description	Reflector	Beam	Code
Fixed or adjustable	PureOptics™	Narrow 10°	AV
		Medium 20°	AW
		Flood 50°	AX
		Wide flood 60°	AY

INSTALLATION TYPE & BODY DEPTH		
Description	Depth	Code
Direct burial	180 mm	28

CONTROL GEAR & CABLE ENTRY LOCATION		
Description	Cable Entry	Code
Remote	Side	P
	Bottom	R


Remote control gear not included - consult factory.

SUPPLY VOLTAGE	
Voltage	Code
240 V AC 50 Hz	1
230 V AC 50 Hz	2
220 V AC 50 Hz	3
220 V AC 60 Hz	5

Other voltage options available - consult factory.

ACCESSORIES

Symmetrical Distribution




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

LS636
Brass grill


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Only compatible with one additional accessory below




LS6011-2
Cross hatch louvre

OR




LS690-2
Prismatic lens




LS6029-2
Linear spreader lens

OR




LS692-2
human touch
With 35 W only



LS689-2-R/G/B/Y
Dichroic colour filters
Not compatible with 70 W


with
AV / AW / AX / AY
Reflector

Wallwash Distribution




human touch
With 35 W only

▲



LS688
Wall wash lens

▲




LS685
Linear spreader lens

▲

with
AV / AW
Reflector


Narrow/Medium with Cut-off Option



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

LS636
Brass grill

▲



LS6014-2
Cylindrical louvre

▲

with
AV / AW
Reflector

Other accessory stacking options may be available - consult factory

LS853 Pre-Install & Mounting Collar Options

WHY USE PRE-INSTALLATION BLOCKOUT

This type of installation requires the LS6058-K pre-installation kit (order separately) which acts as a blockout, and is intended for installation before the luminaire. This method ensures the luminaire itself is not damaged during concreting or other site works, and also allows for all wiring to be completed prior to luminaire placement. Pre-installation also

allows for off-site maintenance, via the detachable IP68 connector fitted on the luminaire housing.

The mating connector on the cable has a sealing cap which ensures water does not enter the cable before the installation is completed. Pre-installation is required for all drive-over applications.

WHY USE MOUNTING COLLARS

The LS640 mounting collar supports installation in decks and grates. They may also be used in hollow floors where there is appropriate ventilation.

Cable Entry Option for Pre-Installation Blockout



IP68 Connector & Junction Box

The luminaire is fitted with an IP68 connector, which attaches directly to the cable supplied with the LS6058-K without the use of any tools. The cable is 0.56 m in length, and is factory assembled with a 3 way junction box. LS640 mounting collars must use a single gland entry. See page 2.

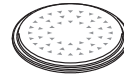
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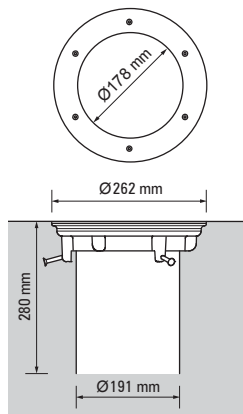
Cover Options for Pre-Installation Blockout & Mounting Collar

Round Flush Cover

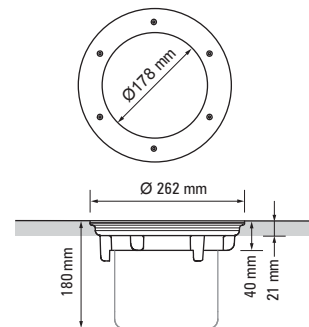
- SS316: Polished
- SS316: Brushed



Flush covers for pre-installation use special seals and support bushes to ensure static loads up to 4200 kg are properly supported. In order to achieve this drive-over rating, OptiClear™ or GripGlass™ must be used.

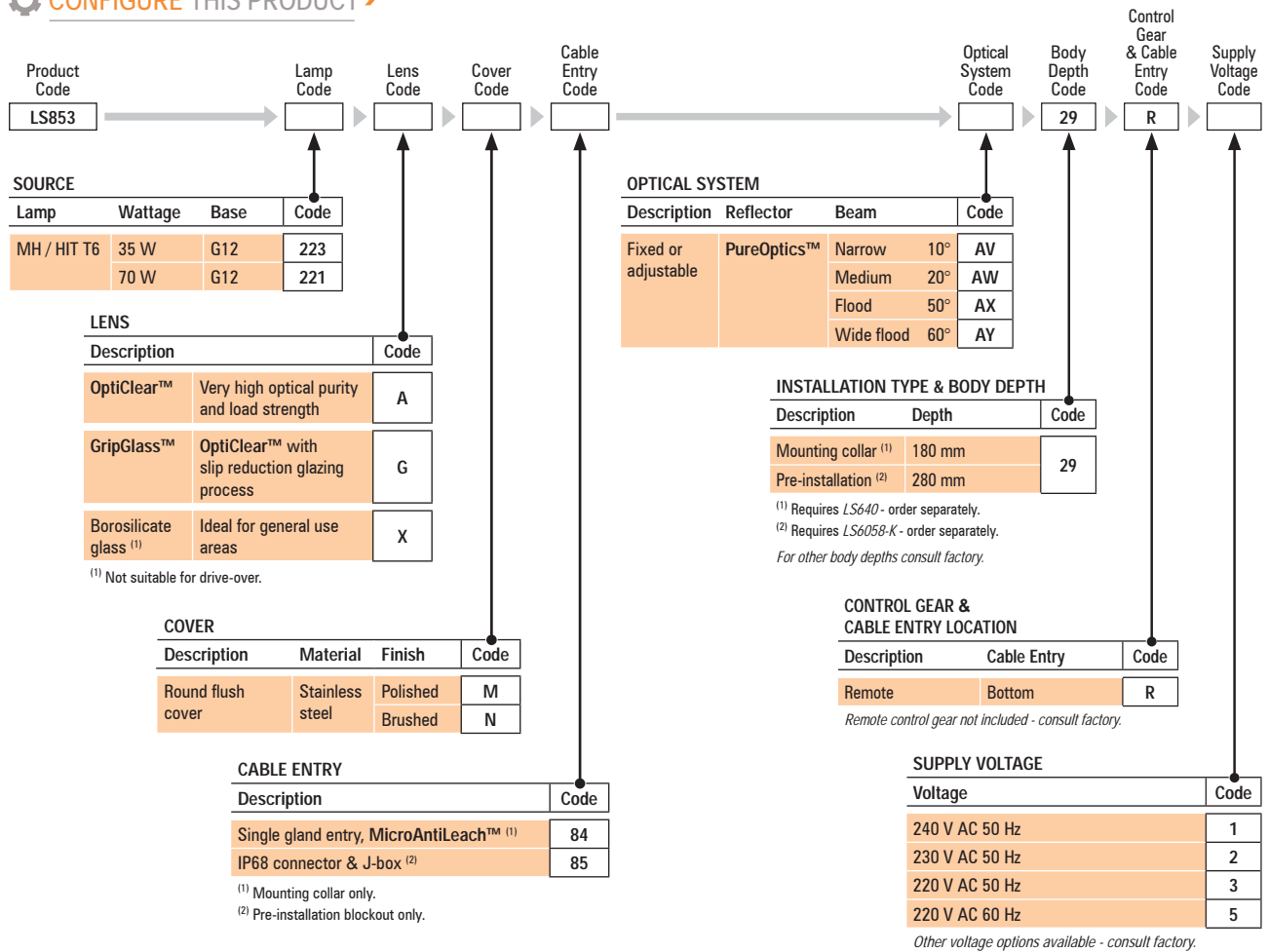


LS6058-K pre-installation blockout

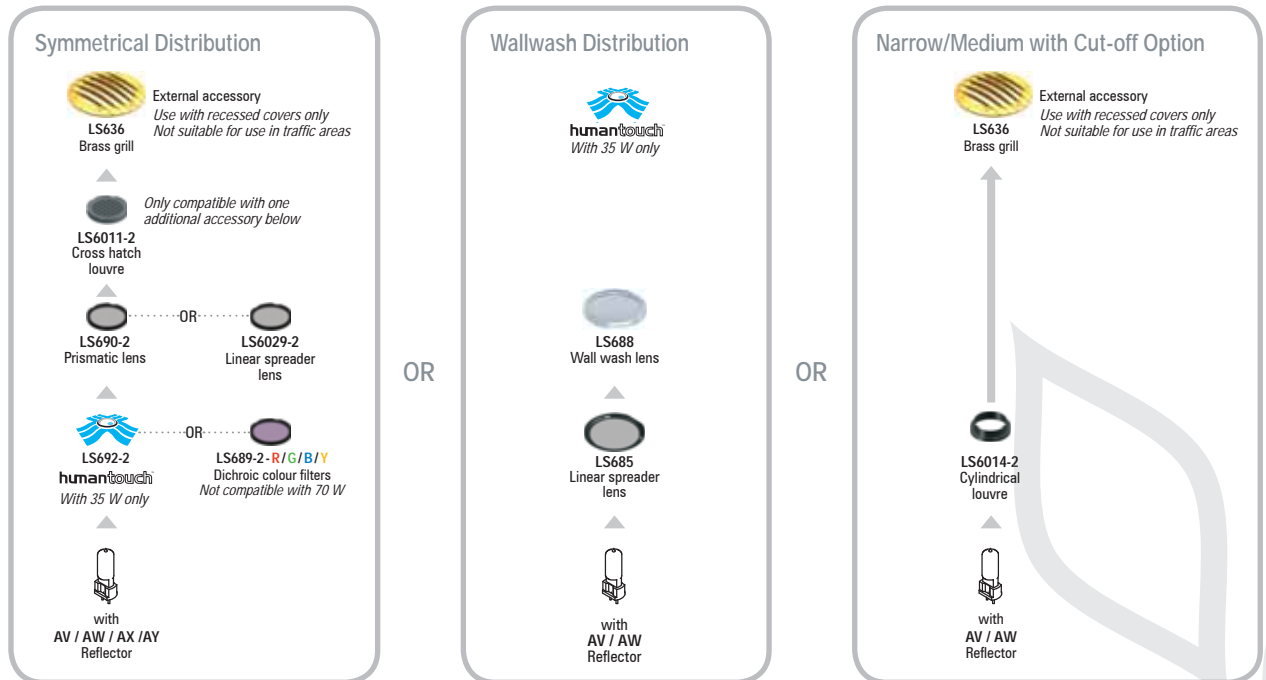


LS640 mounting collar

CONFIGURE THIS PRODUCT >



ACCESSORIES



Other accessory stacking options may be available - consult factory