

LS343 - 221 A B 81 AV 25 N 1

MH / HIT, **OptiClear™** lens, polished stainless steel **recessed cover**, **PureOptics™** configuration depicted



LS343 - 221 A D 81 AV 25 N 1

MH / HIT, **OptiClear™** lens, polished stainless steel **round flush cover**, **PureOptics™** configuration depicted



LS343 - 221 A U 81 AV 25 N 1

MH / HIT, **OptiClear™** lens, polished stainless steel **square flush cover**, **PureOptics™** configuration depicted



LS343 - 221 A M 85 AV 21 Q 1

MH / HIT, **OptiClear™** lens, polished stainless steel **flush pre-installation cover**, **PureOptics™** depicted

Note: To specify for pre-installation, order with **LS640-K** pre-installation / concrete breakout kit



Any luminaire can become hot – caution should always be used in both appropriate use and placement

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Lighting Designer	Fixture
Supplier	

SOURCES

PureOptics™ (advanced glass reflector offers 99% efficient reflectivity), or aluminium reflector

- MH / HIT (35W, 70W)
35W and 70W available with electronic gear / ballast
- CFL / TC-T (18W, 26W)
- CFL / TC-TEL (18W, 26W)
Electronic ballast
- HPS / HSE (50W, 70W, 100W)

MH PAR30 (70W max)

35 and 70W available with electronic gear / ballast

INC PAR30 (100W max) / PAR20

INC PAR38 (150W max)

Halospot AR111 (100W max)

CDM-R111 35W

FEATURES

Many optical configurations available

Ingress protection rating - IP68

OptiClear™ max static load - 4200kg

Applied to a 50mm diameter area in the centre of the glass

Corrosion resistant 316 stainless steel - marine grade

Adjustable gimbal

Dependent on selected optical system

Modular design for easy installation and maintenance

Non-galling clinch nuts dramatically reduce cross threading or binding

Moisture control device to reduce misting on glass

Self resetting thermal protection device to protect unit from overheating

Corrosion resistant stainless steel cover fasteners

OPTIONS

Electronic gear / ballast for high efficiency and longer lamp life (35W, 70W)

HumanTouch™ total temperature reduction technology

OptiClear™ lens for increased efficiency
High optical transmission, toughened

GripGlass™ slip resistant safety glass

Recessed, round flush and square flush covers

Installation

- Direct burial
- Mounting collar (decks and grates)
- Pre-installation (concrete breakout and drive-over)

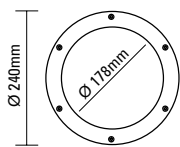
COVERS & INSTALLATION TYPES

Recessed Cover

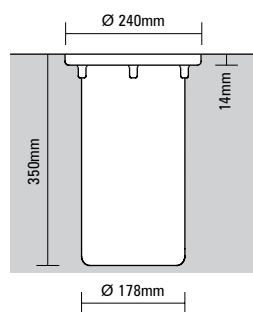
Where no cover overhang is desired

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



Direct Burial

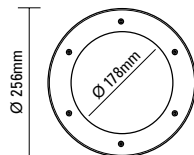


Round Flush Cover

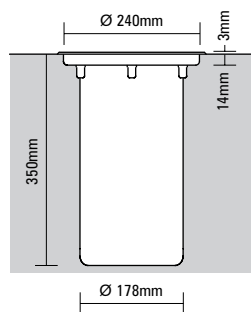
For surfaces where the cover has to conceal a gap between luminaire and surround

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



Direct Burial

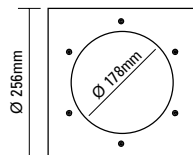


Square Flush Cover

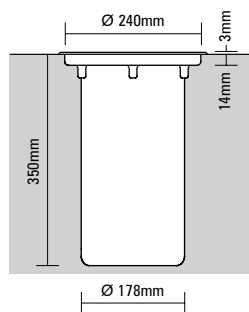
For surfaces where the cover has to conceal a gap between luminaire and surround

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Direct Burial

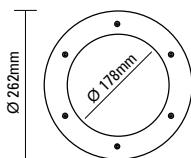


Mounting Collar Flush Cover

For use with mounting collar

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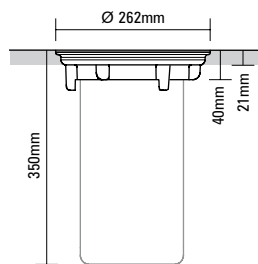
- SS316: Polished
- SS316: Brushed
- Brass: Polished
- Brass: Brushed



LS640 Mounting Collar for Decks and Grates

Sold separately as accessory

For installation in decks and grates. May also be used in hollow floors where there is appropriate ventilation

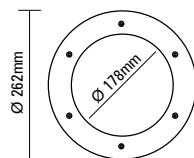


Pre-Installation Flush Cover

For use with pre-installation kit

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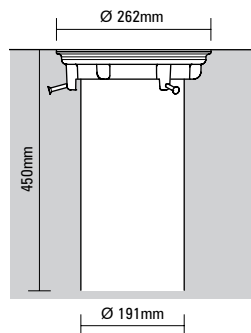
- SS316: Polished
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- Brass: Polished
- Brass: Brushed



LS640-K Pre-Installation Kit for Concrete and Drive-Over

Sold separately as accessory

For drive-over or for concrete and similar installations, and for when it may be preferable to install mounting and cable before installing luminaire



LENS OPTIONS

Borosilicate Glass

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



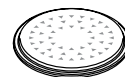
OptiClear™ Glass

Glass of very high optical purity and load strength



GripGlass™

OptiClear™ glass with slip reduction glazing process



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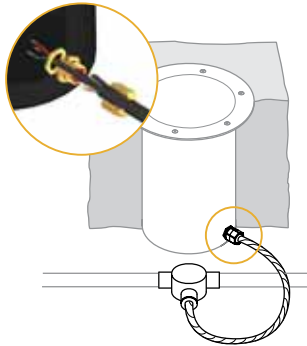
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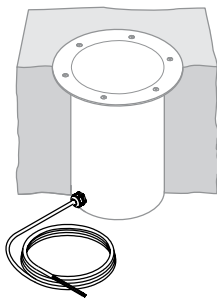
CABLE ENTRY OPTIONS



FOR DIRECT BURIAL

Armoured Cable and J-Box

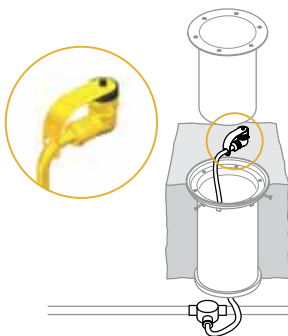
0.6m armoured cable provides protection against damage to cable between luminaire and J-Box (included) negating need to further insulate with conduit.



FOR DIRECT BURIAL

Single Gland Entry, Anti-leach cable

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

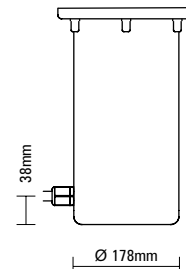


FOR PRE-INSTALLATION

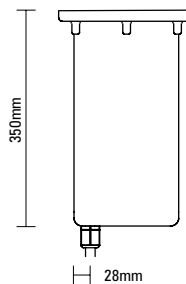
IP68 Connector and J-Box

For use with LS640-K pre-installation kit for concrete blockout and drive-over applications. Supplied with IP68 connector, 0.8m cable connected to J-Box.

CABLE ENTRY LOCATION



Side entry



Bottom entry

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PureOptics™ WITH MH / HIT ADJUSTABLE GIMBAL

Lumascap's most versatile inground uplight, the LS343, now provides even better light output and accuracy with the PureOptics™ glass reflector system.

NATA internationally accredited laboratory tests confirm that PureOptics™ glass reflectors achieve up to 15% greater LOR (Light Output Ratio) than leading aluminium reflectors. This proprietary German engineered glass reflector technology is available in narrow, medium, flood and wide flood outputs and is compatible with metal halide, compact fluorescent and high pressure sodium lamps.

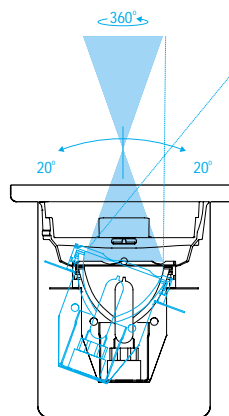
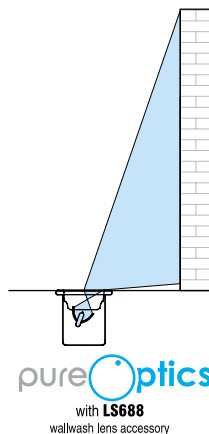
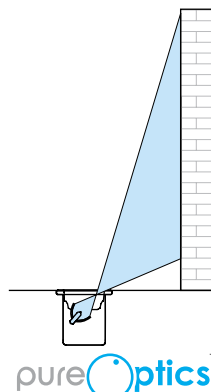
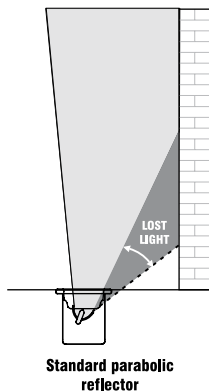
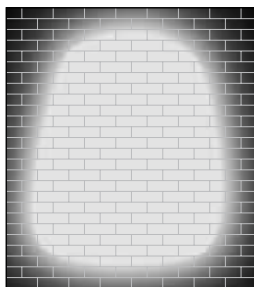
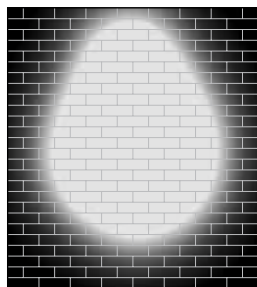
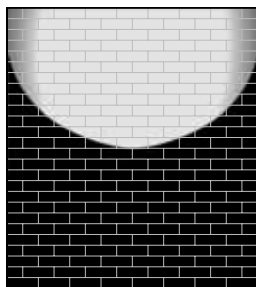
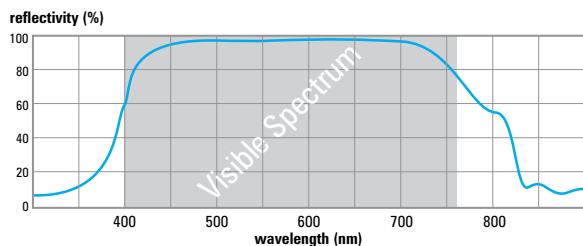
Note: Only MH / HIT lamps are aimable and available in different beam angles.

Coupled with Lumascap's DirectDrive™ fully adjustable gimbal, the PureOptics™ system may be controlled and tuned simply and accurately.

The new system provides control in three ways - a reflector tilt mechanism, rotation of the gimbal housing and refraction.

PureOptics™ has a complete range of accessories and is also compatible with our HumanTouch™ and GripGlass™ technology.

99% Surface Reflectivity



ADVANCED GLASS REFLECTOR TECHNOLOGY

Adjustable gimbal

MH / HIT

PureOptics™ advanced glass reflector

Narrow 10° beam angle (Code AV)

Medium 18° beam angle (Code AW)

Flood 48° beam angle (Code AX)

Wide flood 60° beam angle (Code AY)

OPTICAL SYSTEMS

Reflector Pitch: MH / HIT

The PureOptics™ reflector projects a convergent beam that allows much greater pitch angles to be achieved before cut-off shadows appear. A single hex socket screw controls this function and inherently maintains a lock on the selected angle.

Rotation

Angled light from the LS688 wallwash lens and/or spreader lenses can be accurately directed by rotating the gimbal through 360° and is easily aimed using a built-in directional arrow. The gimbal can then be locked into position.

Wallwash

The LS688 wallwash lens accessory increases the pitch achieved by the tilt mechanism so that light is projected to virtually ground level in wallwash applications.

Deeper Wallwash

The PureOptics™ reflector projects a convergent beam, dramatically reducing the amount of light lost by conventional parabolic reflectors in wallwash applications. When used in conjunction with the Lumascap LS688 wallwash lens accessory, light may be projected virtually to ground level.

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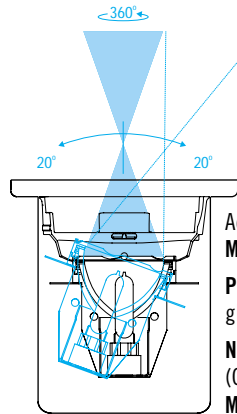
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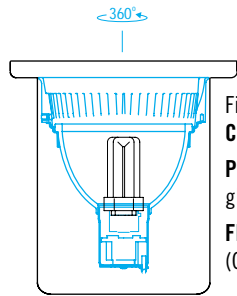
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OPTICAL SYSTEMS

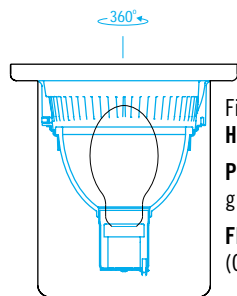
pureOptics™



Adjustable gimbal
MH / HIT
 PureOptics™ advanced glass reflector
Narrow 10° beam angle (Code AV)
Medium 18° beam angle (Code AW)
Flood 48° beam angle (Code AX)
Wide flood 60° beam angle (Code AY)
 For wallwash applications use **LS688** wallwash lens

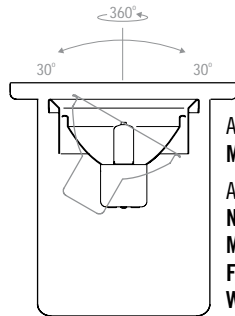


Fixed
CFL / TC-T / TC-TEL
 PureOptics™ advanced glass reflector
Flood 110° beam angle (Code AL)

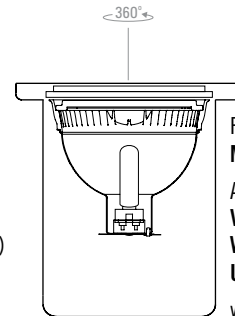


Fixed
HPS / HSE
 PureOptics™ advanced glass reflector
Flood 110° beam angle (Code AM)

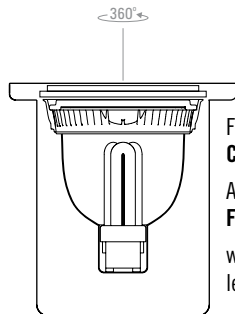
OPTICAL SYSTEMS - OTHER



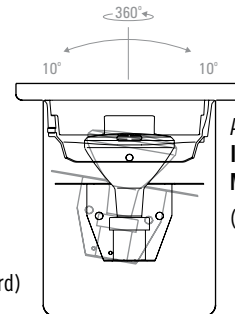
Adjustable gimbal
MH / HIT
 Aluminium reflector
Narrow 10° (Code XV)
Medium 28° (Code XW)
Flood 70° (Code XX)
Wide flood 140° (Code XY)



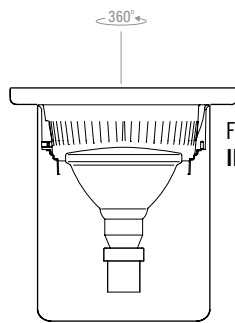
Fixed asymmetric
MH / HIT
 Aluminium reflector
Very narrow (Code XQ)
Wide (Code XT)
Ultra wide (Code XP)
 with **LS688** Wallwash lens (supplied standard)



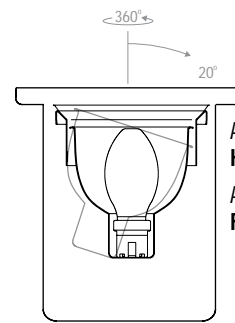
Fixed asymmetric
CFL / TC-T / TC-TEL
 Aluminium reflector
Flood (Code XN)
 with **LS688** Wallwash lens (supplied standard)



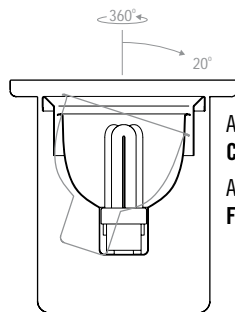
Adjustable gimbal
INC PAR30, MH PAR30 / PAR20
 (Code AR)



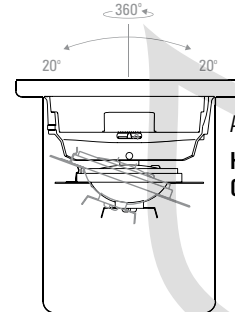
Fixed
INC PAR38 (Code AS)



Adjustable gimbal
HPS / HSE
 Aluminium reflector
Flood 140° (Code XM)



Adjustable gimbal
CFL / TC-T / TC-TEL
 Aluminium reflector
Flood 140° (Code XL)



Adjustable gimbal
Halospot AR111 (Code AJ)
CDM-R111 (Code AJ)

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