

LUMASCAPE



pureOptics

Advanced glass reflector technology for HID lighting



LS343

STAINLESS STEEL



in ground
ground mount
underwater

Lumascapes most versatile In Ground up-light, the LS343, now provides even better light output and accuracy with the PureOptics glass reflector system.

NATA accredited tests confirm the PureOptics glass reflector achieves up to 15% greater LOR than leading aluminium reflectors. This new German engineered glass reflector is available in narrow, medium, flood & wide flood outputs and is compatible with metal halide, compact fluorescent and high pressure sodium lamps.

Coupled with Lumascapes Direct-Drive fully adjustable gimbal, distribution by 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 compliments Lumascapes existing range of accessories and is compatible with our HumanTouch and GripGlass technology



Reflector Pitch

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

Rotation

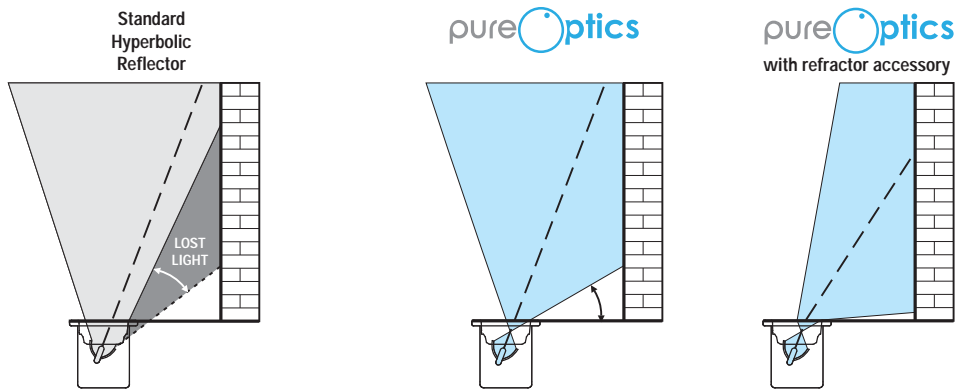
Angled light from refractors or spreader lenses can be accurately directed by rotating the gimbal through 360 degrees and is easily aimed using a built-in directional arrow. The gimbal can then be locked into position.

Refraction

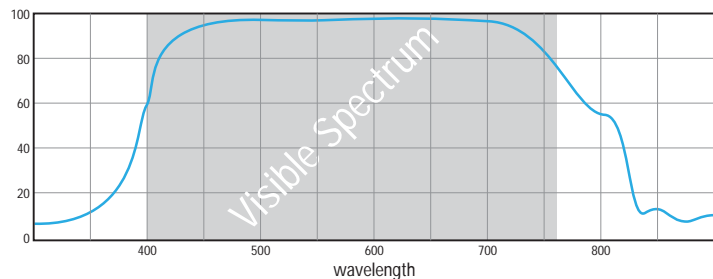
The refractor accessory increases the pitch achieved by the tilt mechanism so that light is projected to virtually ground level in wall wash applications.

Deeper wall wash

The Pure Optics reflector projects a converging beam, dramatically reducing the amount of light lost by conventional hyperbolic reflectors in wall wash applications. When used in conjunction with the Lumascapes refractor accessory, light may be projected virtually to ground level.

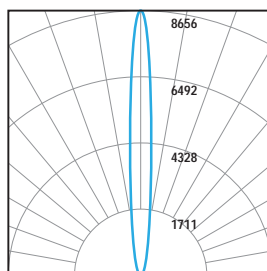


99% Reflectivity

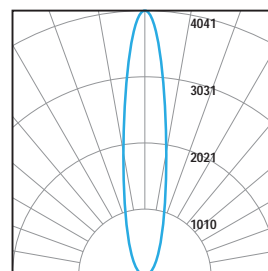


Standard Fixture (cd/klm)

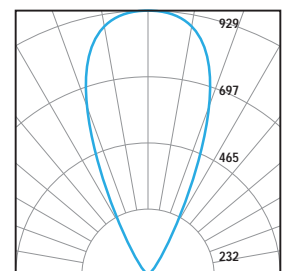
Results for 35W CDMT/T6



Narrow
10 degrees at 50% max intensity



Medium
18 degrees at 50% max intensity

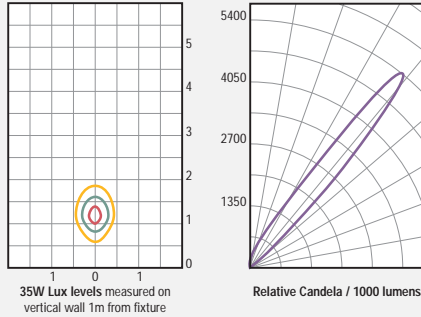
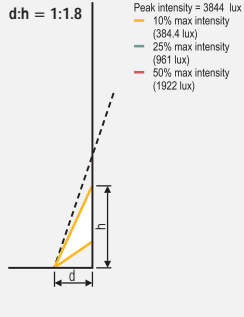


Flood
48 degrees at 50% max intensity

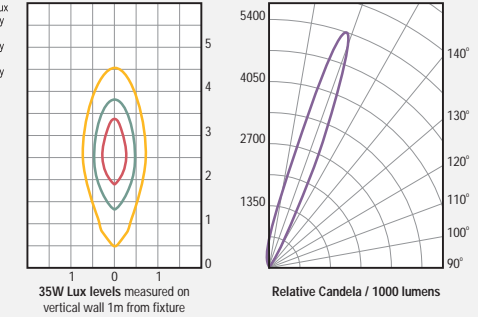
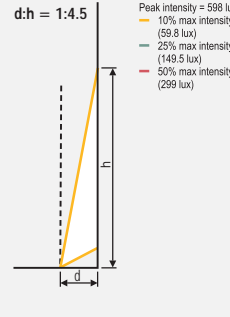
Narrow reflector output beam angle = 10 degrees at 50% maximum intensity. Results for 35W CDMT/T6. Peak intensity of 8656 cd/klm.

...with refractor

20° Gimbal Pitch Towards Wall/Feature

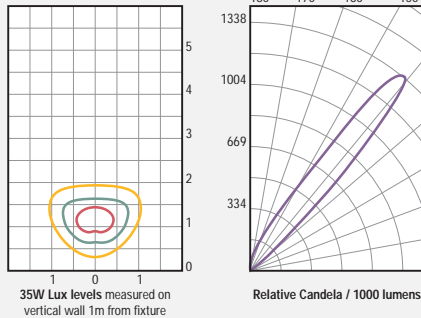
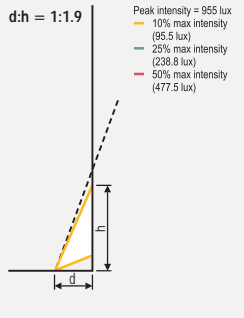


0° Gimbal Pitch Towards Wall/Feature

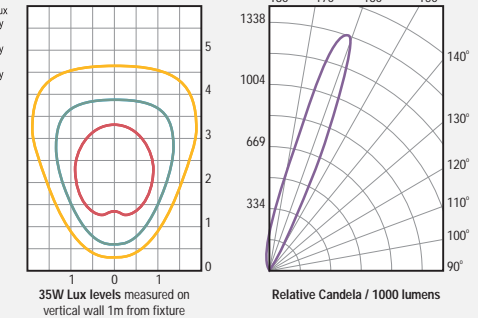
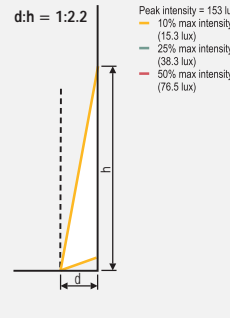


...with refractor & linear spreader lens

20° Gimbal Pitch Towards Wall/Feature



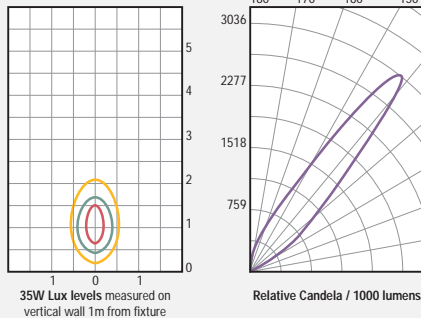
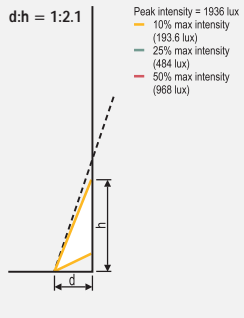
0° Gimbal Pitch Towards Wall/Feature



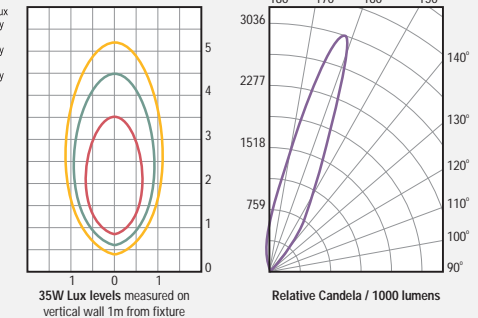
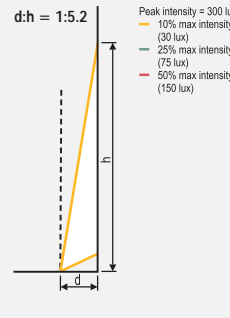
Medium reflector output beam angle = 18 degrees at 50% maximum intensity. Results for 35W CDMT/T6. Peak intensity of 4041 cd/klm.

...with refractor

20° Gimbal Pitch Towards Wall/Feature

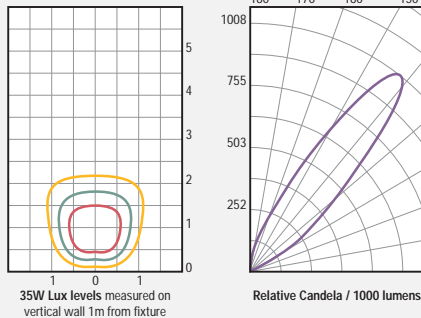
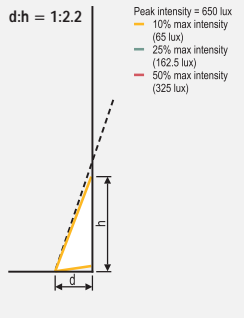


0° Gimbal Pitch Towards Wall/Feature

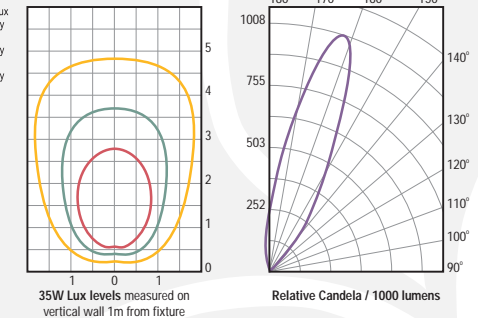
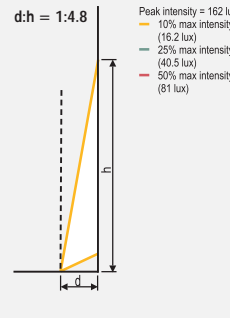


...with refractor & linear spreader lens

20° Gimbal Pitch Towards Wall/Feature



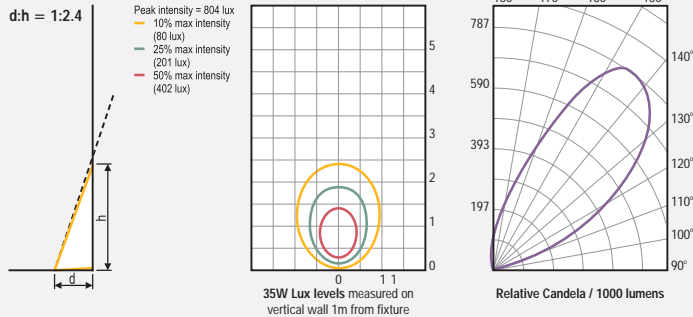
0° Gimbal Pitch Towards Wall/Feature



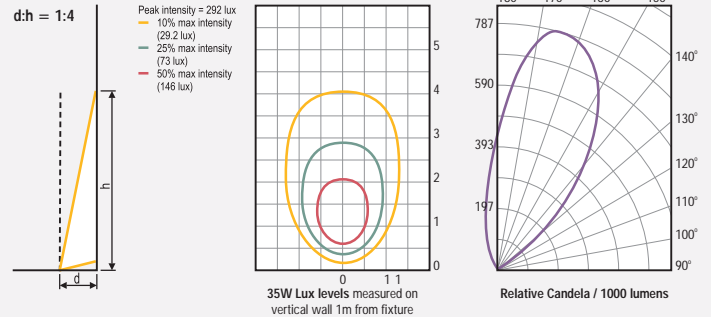
Flood reflector output beam angle = 48 degrees at 50% maximum intensity. Results for 35W CDMT/T6. Peak intensity of 929 cd/klm.

...with refractor

20° Gimbal Pitch Towards Wall/Feature

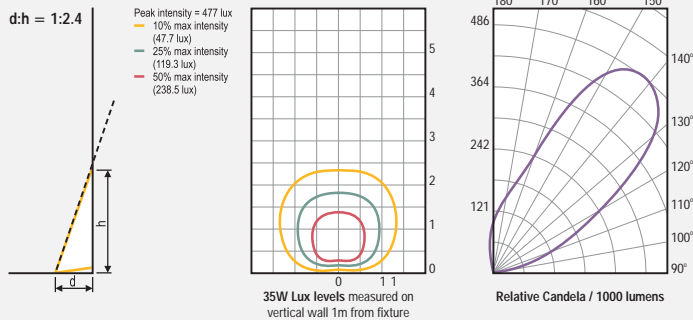


0° Gimbal Pitch Towards Wall/Feature

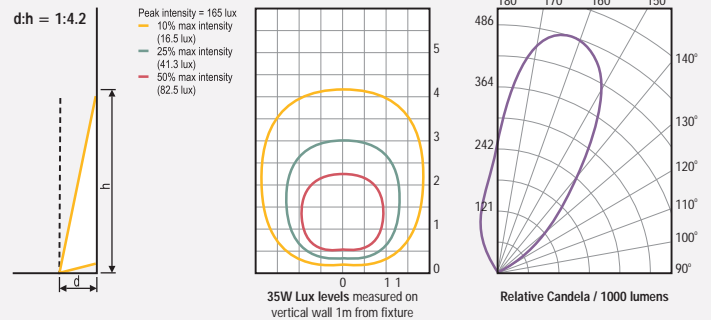


...with refractor & linear spreader lens

20° Gimbal Pitch Towards Wall/Feature



0° Gimbal Pitch Towards Wall/Feature



- | | | | | |
|--------|----------------------------|---|-----------|---------------------------------------|
| LS688 | Refractor Lens | | LS6011 | Cross Hatch Louvre - 96mm |
| LS685 | Linear Spreader Lens | | LS6013 | Slatted Louvre |
| LS691 | Prismatic Lens - 137mm | | LS6014 | Cylindrical Louvre |
| LS690 | Prismatic Lens - 96mm | | LS636 | Brass Grill |
| LS686 | Dichroic Filters - 137mm | ■ ■ ■ ■ | LS640 - K | Pre-Installation Kit - Concrete |
| LS689 | Dichroic Filters - 96mm | ■ ■ ■ ■ | LS640 | Pre-Installation Kit - Decks & Grates |
| LS6012 | Cross Hatch Louvre - 165mm | | | |

Full Replacement Warranty

Pure Optics will provide outstanding reflectivity for the life of the fixture. Lumascope warrants the Pure Optics reflector coating against any visible deterioration of the reflector surface for 5 years, subject to 8 hours of operation per 24 hour period. The terms of this warranty are subject to correct installation as defined in the appropriate LS343 Installation Instructions. This warranty is void if moisture is allowed to enter the fixture.

Lumascope Lighting Industries Pty Ltd
 38-44 Enterprise Street, Cleveland, QLD 4163, Australia
 PO Box 1875, Cleveland D.C., QLD 4163, Australia
 T 07 3286 2299
 F 07 3286 6599
 E sales@lumascope.com.au
 W www.lumascope.com.au
 ABN: 21 010 572 773

