

REFRACTOR

REFRACTOR LENS SYSTEM FOR USE IN LS343



LS636
Brass Grill



A.C.N. 010 572 773

LS640/LS640-K
Pre-Installation Kit



Wide Configuration Shown

Lumascape's three new Refractor Systems enable functional vertical surface illumination from an inground recessed fixture. Using our optically precise refractor lens, the designer can illuminate walls, columns, flagpoles and other vertical surfaces by directing all available light toward the object of illumination whilst avoiding annoying glare from other viewing angles.

This unique system is mounted within our LS343 recessed inground fixture and is available in a Very Narrow, Wide and Ultra Wide beam using 35 Watt to 150 Watt Metal Halide CDM lamps.

The refractor system is mounted beneath your choice of 2 secondary outer lenses - 204Kg per square cm (2,896 Lb per square inch) toughened glass for heavy traffic and drive over environments or the 51Kg per square cm (724 Lb per square Inch) toughened Humantouch lens for lower glass temperatures.

The refractor assembly can be aimed and locked with the turn of a single screw and the lens is keyed within this assembly so that when it is removed during re-lamping it is always returned to the same position, avoiding the risk of interfering with the intended aim of the light.

Complete Data Sheets and Photometric Reports are available to download from our web site - www.lumascape.com.au or call your local Lumascape representative.

LIGHTING DESIGNER	FITTING REFERENCE
SUPPLIER	

FEATURES

- Available in three widths:
 - Very Narrow
 - Wide
 - Ultra wide
- Soft beam edge
- Aimable and lockable optics fixed even during relamping
- Available in Human Touch configuration
- Available in drive over configuration.
- IP68 rating
- Choice of cable entry (all factory fitted):
 - 3m Anti-leach
 - Steelwire Armoured Cable c/w 3-way J-box
 - IP67 in-line power snap connector
- Easy maintenance
- Stainless Steel 316 Marine Grade body
- Choice of lids, materials and finishes - Polished or brushed, S/S or brass
- Inherent side glare control
- Hi temp dynamic seal
- Exclusive moisture control
- Modular gear trays - gear simply drops into place
- For full fixture feature list see LS343 literature.
- Optional
 - Drive over/pre-installation kit
 - Coloured lenses
 - High pressure die-cast grill



LUMASCAPE

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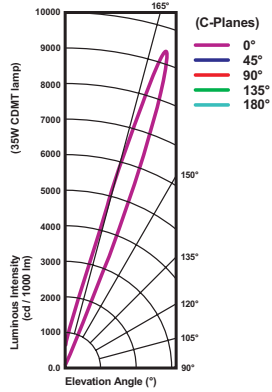
Free Call
1-866-695-LUMA(5862)
(US & Canada)

SPECIFICATION	
DESCRIPTION	CATALOGUE NO:
NOTES	LAMP
	COLOUR

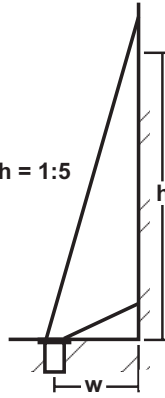
Lumascape Lighting Industries will guarantee the following product groups from the date of purchase against faulty workmanship or materials for: 1. Underwater-5 years 2. Copper-10 years 3. Aluminium-2 years 4. Stainless Steel-10 years Structural/12 months Electrical. All warranty claims must be returned to Lumascape Lighting Industries for assessment. There is no warranty offered on lamps other than lamp manufacturers warranty if any. Lumascape Lighting Industries accepts no responsibility for damage to any ancillary equipment or inconvenience caused by the failure of our products. Lumascape Lighting Industries reserves the right to alter fittings or specifications at any time.

Very Narrow

Luminous Intensity Distribution

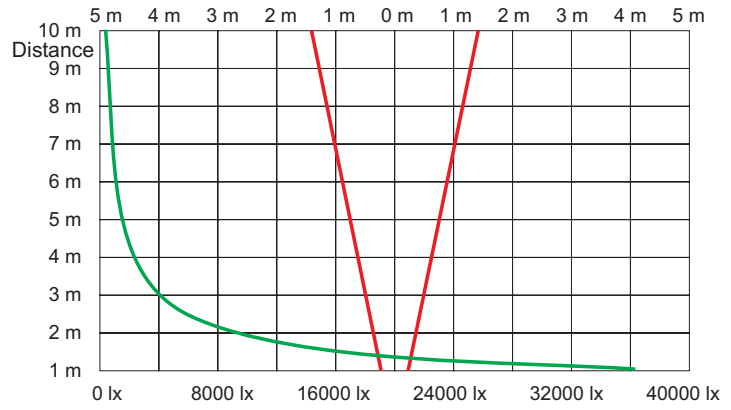


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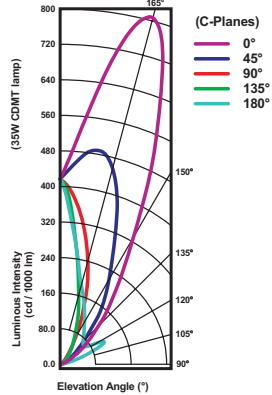
(150W CDMT lamp)

Beam Dimensions



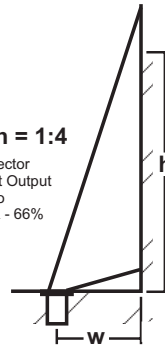
Wide

Luminous Intensity Distribution



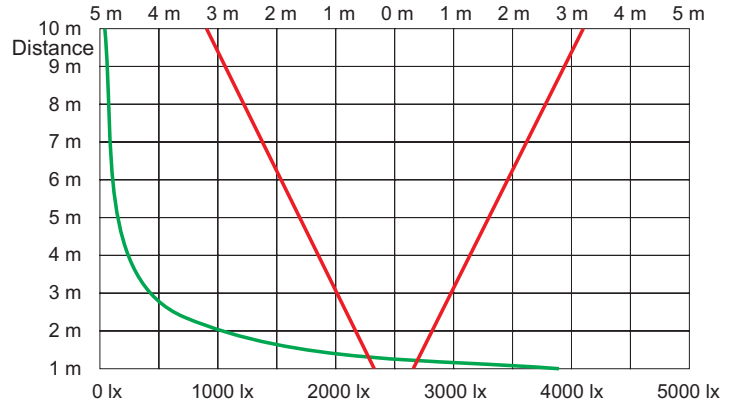
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Reflector
Light Output
Ratio
LOR - 66%



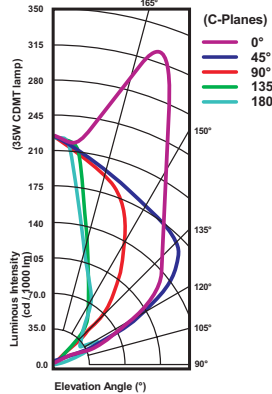
(150W CDMT lamp)

Beam Dimensions

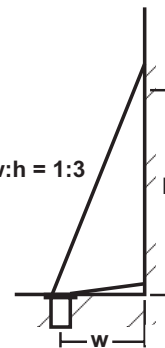


Ultra Wide

Luminous Intensity Distribution

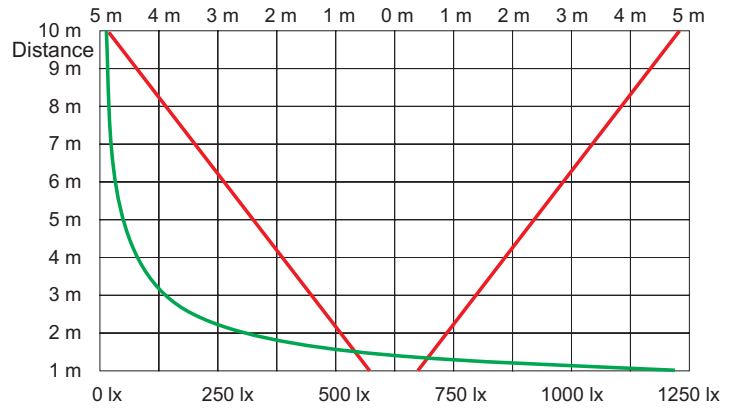


w:h = 1:3



(150W CDMT lamp)

Beam Dimensions



Average Beam Illuminance (centre of beam to width at 0.5 max intensity)