

LUMINAIRE SCHEDULE – No. 54 WARBLINGTON ROAD
GARDEN

19th September 2025
FOR COMMENT ONLY

To be read with the lighting drawings and control schedule



Spike Spot Adjustable

Cat. No. SS/A

Cat. No. SS/AGU



G1 - Adjustable Spike Light SPOT
G2 - Adjustable Spike Light WIDE

The Spike Spot Adjustable has been designed for easy installation into the earth and is ideal for illuminating a bush, tree or any landscape feature. The fully adjustable head allows 360 degree rotation and 0 - 90 degree elevation.

This luminaire is machined from a choice of 10mm solid aluminium with a UV stable powder coated finish, solid copper or 316 stainless steel with a clear, tempered, flush fit, glass lens and high temperature silicon gaskets.

A GU10 version of this luminaire is also available for line voltage lamps. However, a longer luminaire body is needed to accommodate the longer lamp.

Ordering Information

Luminaire Type

SS/A - Spike Spot Adjustable
 SS/AGU - Spike Spot Adjustable
 GU10

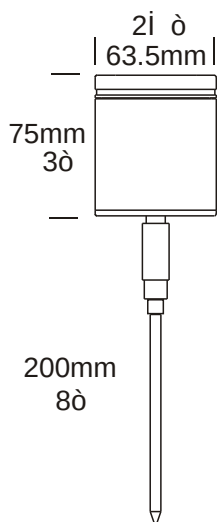
Material/Finish

BK - Black
 BZ - Bronze
 CT - Corten
 DG - Dark Grey
 OG - Olive Green
 STAR - Silver Star
 WB - White Birch
 WH - White
 COP - Copper
 SS - Stainless Steel

Accessories

CJK150 - Cable Joint Kit
 GG - Glare Guard
 HCL - Hex Cell Louvre
 LENSSTEPF - Frosted Lens
 /300 - Ground Spike
 300mm (12")

Ordering example: SS/A BK - Spike Spot Adjustable in Black
 SS/AGU COP - Spike Spot Adjustable in Copper
 LENSSTEPF - Frosted Lens
 (accessories ordered separately)



HUNZA™ PURE
 OUTDOOR
 LIGHTING

HUNZA FACTORY
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 Auckland 1072
 New Zealand

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<http://www.hunzalighting.com/contact.php>
 Specification may change without notice.
 Manufactured in New Zealand.
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Luminaire Construction

CNC machined from one of the following metals:

Aluminium

High corrosion resistant aluminium with chromate substrate and high UV resistant powder coat.

Body: 63.5mm (2½") x 10mm (3/8") tube.

End cap: solid aluminium 63.5mm (2½") rod.

Spike: 150mm (6") x 11mm (1/2") aluminium rod.

Colours:

Black, Bronze, Corten, Dark Grey, Olive Green, Silver Star, White Birch, White.

Copper

Body: 63.5mm (2½") x 10mm (3/8") tube.

End cap: solid copper 63.5mm (2½") rod.

Spike: 150mm (6") x 11mm (1/2") copper rod.

316 Stainless Steel

Body: 63.5mm (2½") x 10mm (3/8") tube.

End cap: solid stainless steel 63.5mm (2½") rod.

Spike: 150mm (6") x 11mm (1/2") stainless steel rod.

Mounting

Ground spike 150mm (6") or 300mm (12") directly into the earth.

Features

Lens

10mm (3/8") clear flush fit shatter resistant glass.

Lifetime Warranty.

Gasket

Silicone, iron impregnated 220°C (428°F).

Lamp Holder

MR16 & GU10 - 350°C (662°F) ceramic multi contact lamp holder with 250°C (480°F) Teflon cables.

Accessories

Cable Joint Kit (Cat CJK150). Not approved for USA/Canada.

Glare Guard (Cat. GG).

Hex Cell Louvre (Cat. HCL).

Frosted Lens (Cat. LENSSTEPF).

300mm (12") Spike (Cat. /300).

Swivel

Aluminium and Copper luminaires - 360° rotation and 0 - 90° elevation, solid brass with anti rust spring.

Stainless Steel luminaires - 360° rotation and 0 - 90° elevation, full stainless steel construction.

Standards

IP66, UL1838, 

Luminaire Weight

Aluminium - 0.490kg (1lb 1oz)

Copper - 1.240kg (2lb 11oz)

Stainless Steel - 1.080kg (2lb 6oz)

Power Supply

Hunza Inground or Wall Mount Transformer: not included.

USA and Canada

Hunza Wall Mount Transformer: not included.

Lamp Options

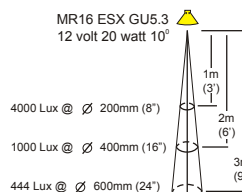
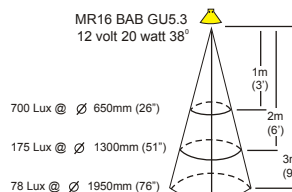
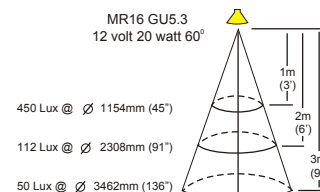
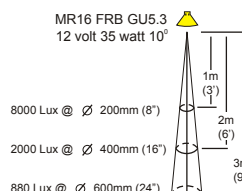
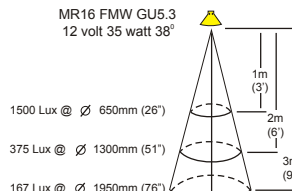
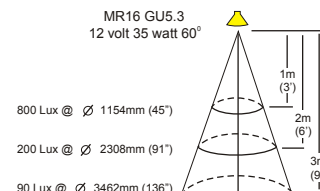
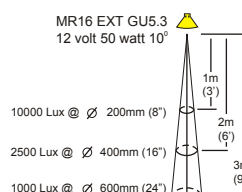
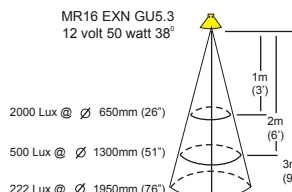
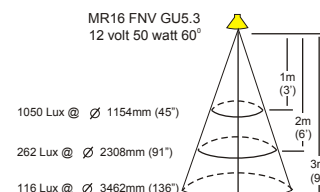
MR16 - 20 or 35 watt lamp max.

GU10 - 25 or 35 watt lamp max.

USA and Canada

MR16 - 20 watt lamp max.

GU10 - lamp not supplied.



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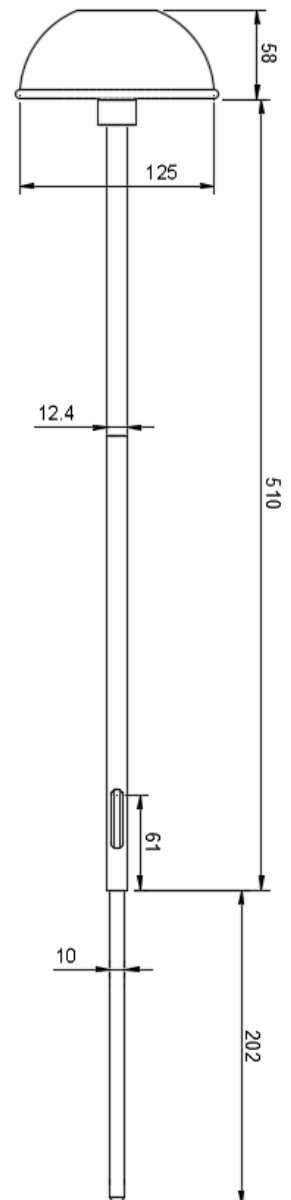
INTERNATIONAL CONTACTS:
[http://www.hunzalighting.com/
contact.php](http://www.hunzalighting.com/contact.php)
Specification may change without notice.
Manufactured in New Zealand.
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PLANTING LIGHT SPECIFICATION

Version 2: Last update 19/12/2024

Hudson
lighting

Power	1.6W, 2.6W or 3.6W - 350mA only. 3.6W standard option.
Ingress protection rating	IP68 Still maintains full serviceability of all parts including the LED
Cable	0.5mm CSA, 2m long - Longer on request Suitable for use from -40C to +70C. Inner cores to +105C. Cable made in Worsley, UK
Colour Temperature (Kelvin)	1800K - 1.6W only 2200K - 1.6W only 2700K 3000K - 1.6W and 2.6W only
Beam options	-
TM66	Overall: 2.6 - Excellent circularity
CRI	80+ Standard, 90 and 95 available
Finishes	Black powder coat Nato green powder coat CorTen powder coat Bronze powder coat Custom RAL Brass
Warranty	10 Years. Remanufacturing/Refurbishment available beyond the warranty period for 25 years
Efficiency Effective Lumens (2700K)	187 lm/W at chip 1.6W - 7.4 lumens 2.6W - 25.4 lumens 3.6W - 32.5 Lumens



LD61 & LD62

LED Wall and Indicator Light



Data sheet - Page 1



Design: Light IQ Project: Private Residence Product: LD61

Ultra small, single LED marker light and wallwash luminaire. The LD61/62 utilises a specially designed reflector to produce a soft diffused glow. It can be used on walls to create interesting effects as well as lighting up steps and staircases, and the colours look fantastic!

Key Features

- High quality machined components
- No visible fixings
- Minimal aesthetic
- LD61 produces a soft 360° angle of illumination
- LD62 adds a narrow 25° beam to the 360° angle of illumination, making it ideal for illuminating steps or pathways below
- Integral anti-wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections (IP connections are still required)
- Fixing options include spring fixing clips or O-rings and a first fix sleeve
- Rated IP67 for exterior or interior walls
- Available with Switch, 0-10V, DMX, Dali or Mains dimmable drivers



Specification

Applications



Beam Angles

360°(LD61) or 360° + 25°(LD62)

LED type

1 x C1 Engine with NICHIA LED

Colour temperature

2200K / 2700K / 3000K 5000K

Drive Current (mA)

350 500 350 500

LED power* (W)

1.2W 1.7W 1.2W 1.7W

CRI (typical)

93 93 75 75

Forward voltage (V)₁₀₀

3.0V 3.2V 3.0V 3.2V

LED lifetime

L90B5 at 90,000hrs

Materials

Machine finish 316 stainless steel and acrylic

Wiring

Comes pre-wired with 2 core 100mm lead, can be specified with up to 10m at extra cost

IP rating

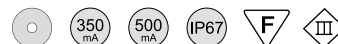
IP67

* LED wattage includes losses associated with using an 85% efficient driver

** Lumen output data applies to all colour temperatures.

LD61 & LD62

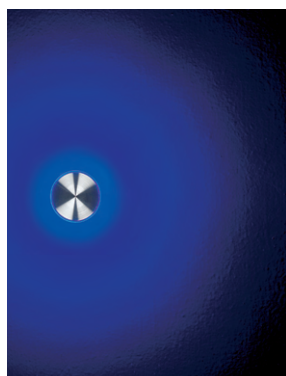
LED Wall and Indicator Light



Data sheet - Page 2

LD61

360° illumination



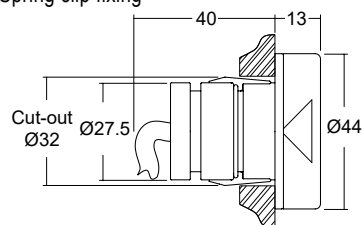
LD62

360° + 25° illumination

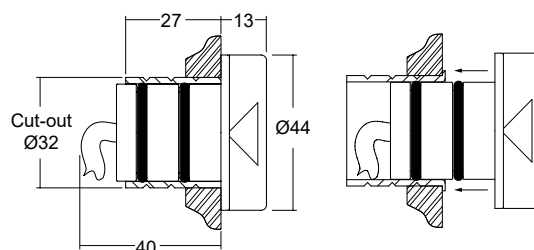


Dimensions and Fixing Options

/SC - Spring clip fixing



/480 - O-rings and sleeve, this is most suited for wet and exterior environments



(Dimensions in mm)

Order Codes and Options

Product code LED colour Finish Fixing

Example: LD61-C1-500 / LW30 / Stainless steel / 480

Product codes with output options

350mA 1.2W	LD61-C1-350	500mA 1.7W	LD61-C1-500
	LD62-C1-350		LD62-C1-500

LED colour options

Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Blue	/LB
Green	/LG
Red	/LR
Amber	/LA

*Other LED colour temperatures are available. Please speak to a member of our sales team.

Finish options

Stainless steel 316
Polished and passivated stainless steel

Fixing options

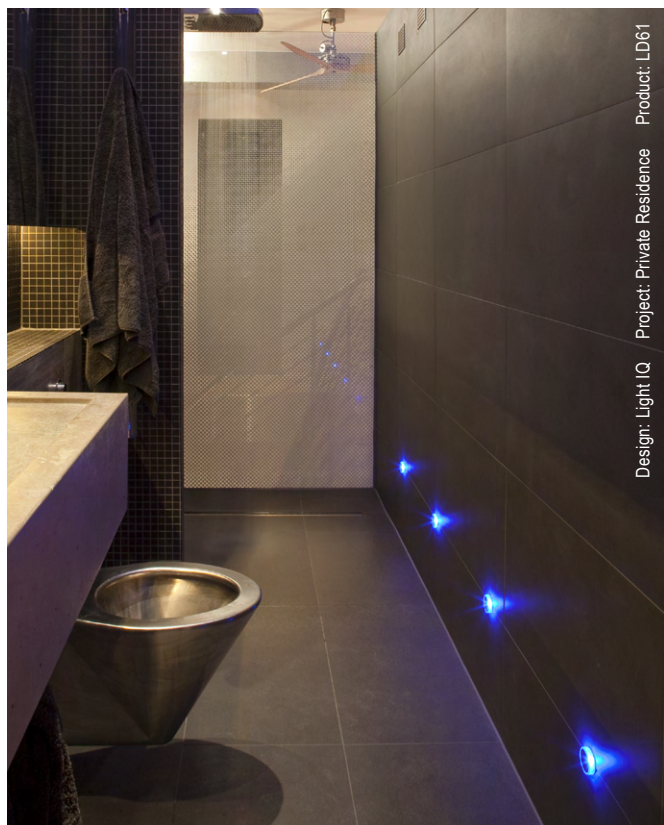
Spring clips	/SC
First fix sleeve and O-rings	/480

Use with 350mA or 500mA constant current LED drivers

We have a wide range of dimmable LED drivers, 0-10V, DMX, DALI and Mains dimmable. Please see the downloads section on our website:

To run 1-14 LD61/62-C1-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-14 LD61/62-C1-500 in series use a TXDEL500D (0-10V dimmable)



Design: Light IQ Project: Private Residence Product: LD61

LD56T

TILTED INTERIOR/EXTERIOR IN-GROUND RECESSED LED UPLIGHT



The LD56T packs a lot of features into a very compact product with a recess depth of just 42mm. The LED is angled at 6° to focus the light onto and up a wall or column with fantastic beam shape and spread. Deep recessed optics reduce glare with an optional glare shield available to further improve visual comfort. Rated IP68, the LD56T is incredibly versatile and has been used in projects all over the world in various applications, including as a downlight. It is a very tough, high quality fitting, with a minimal aesthetic, available in a wide range of high-grade machined metal and paint finishes.

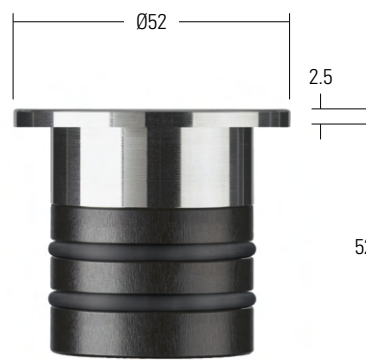
KEY FEATURES

- > High-power C1 engine with NICHIA LED, delivering up to 177 lumens and CRI of 93
- > Optics set at 6° tilt to focus the beam onto the lit surface from a distance with glare angled away from view
- > Compact fitting producing excellent diffused beam shape from a range of optics
- > Can be used as a uplight or downlight
- > Low glare with optics recessed into the body by 17mm
- > Glare shield available to further reduce glare without affecting the wash of light
- > High quality machined bezel available in: 316 Stainless Steel, 316 Polished & Passivated Stainless Steel, Brass, Flamed Solid Bronze and powder coat White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), any RAL
- > Fixing options include spring clips, O-rings, first fix sleeve and ground tube
- > Integral anti wicking barrier increases protection against moisture ingress due to incorrect IP rated cable connections
- > Not designed for permanent submersion, please use our LD242A
- > Switched, 0-10V, Casambi, DMX, Dali or Mains dimmable drivers available

DIMENSIONS

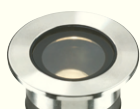
Dimensions in mm

For fixing dimensions please go to page 3.



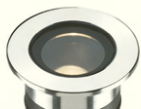
AVAILABLE FINISHES

Please refer to our finishes guide for full details



316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Standard machined finish
- > Extremely durable with very high corrosion resistance
- > Passivation is recommended to further strengthen the existing high corrosion resistance, if the fitting is to be continuously subjected to salt water
- > Interior & exterior use



POLISHED & PASSIVATED 316 STAINLESS STEEL

- > Marine Grade 316 Steel
- > Pristine mirror like finish
- > Extremely durable with very high corrosion resistance
- > Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments
- > Interior & exterior use



MACHINED BRASS

- > Solid CZ121 Brass
- > Standard machined finish
- > Corrosion resistance rated fair to excellent
- > Please note a natural green/brown patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use



FLAMED SOLID BRONZE

- > Solid Bronze
- > Hand finished Flamed Bronze unique to LightGraphix
- > Extremely durable with very high corrosion resistance
- > Please note a natural dark patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use



PAINT FINISH - POWDER COAT

- > White (RAL 9016), Black (RAL 9005), Classic Bronze (YM262E), Gunmetal Grey (RAL 7021) Textured Mars Bronze (SX350F), Textured Fir Green (RAL 6009), and other RAL colours available
- > Smooth matt texture unless stated otherwise
- > Not recommended for footlights in high traffic areas
- > Interior & exterior use

DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

/SC Spring clip fixing

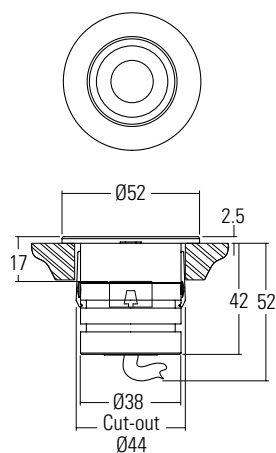
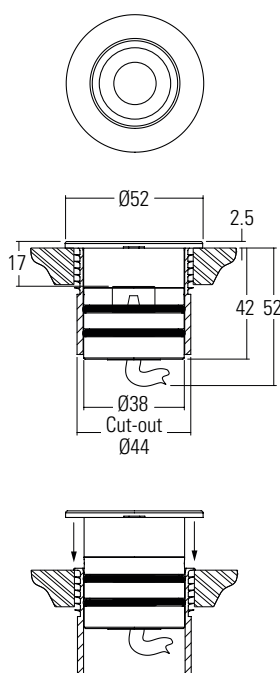
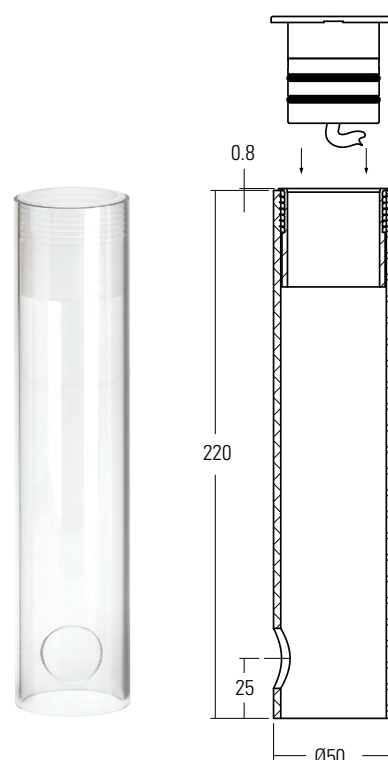
Useful for plinth or downlight applications

/476 O-rings and sleeve

A more robust and water tight method of fixing for in-ground applications

/476GT Ground tube

The in-ground tube has been designed for applications where a recessed uplight is required in soil or gravel terrains. The tube can be buried with the necessary wiring and then the fitting installed after the landscaping work has been completed. It is supplied with the fixing sleeve bonded into the tube, and can be cut down on site.



ORDER CODES & OPTIONS

Example: LD56T-C1-700 / LW30 / MB / 316 Stainless steel / GS56T / 476

Light Engine & Drive Current

LD56T -

LED Colour

Beam Angle

Finish

Fixing & Accessories

WHITE LED ENGINES

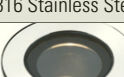
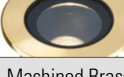
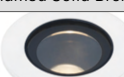
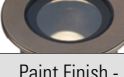
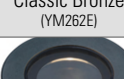
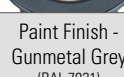


C1

1.2W LED at 350mA	LD56T-C1-350
1.7W LED at 500mA	LD56T-C1-500
2.4W LED at 700mA	LD56T-C1-700

Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) - on request	/LW40
Cool White (5000K)	/LW50
Red	/LR
Green	/LG
Blue	/LB
Amber	/LA

12° Narrow spot	/NB
31° Medium	/MB
48° Wide	/WB
12 x 36° Oval	/OB

	316 Stainless Steel
	Polished & Passivated 316 Stainless Steel (for marine environments)
	Machined Brass
	Flamed Solid Bronze
	Paint Finish - White (RAL 9016)
	Paint Finish - Black (RAL 9005)
	Paint Finish - Classic Bronze (YM262E)
	Paint Finish - Gunmetal Grey (RAL 7021)
	Paint Finish - Textured Fir Green (RAL 6009)
	Paint Finish - Textured Mars Bronze (SX350F)
	Paint Finish - RAL

	/SC
	/476
	/476GT
	/GS56T

Drivers

Use with 350mA, 500mA & 700mA constant current LED drivers

We have a range of dimmable LED drivers including DMX and DALI compatible. Please see the downloads section on our website.

X1 - FRONT & REAR GATE

LD97

Miniature Wall Mounted Single LED Up or Down Wall Washer

Data sheet - Page 1

The LD97 is a miniature surface mounted LED wall light. Minimal design allows it to blend seamlessly into most project styles, and fit into the smallest of details. A choice of beam angles and LED colours offers the designer a range of uses, which include window reveal lighting, wall washing and path illumination. LD97 has been designed to withstand the harshest of conditions. The small but very robust body is machined from a solid billet of aluminium, and incorporates an integral anti-wicking barrier for added protection. The fitting is available with a choice of switch, 0-10V, DMX, Dali or mains dimmable remote drivers.

Key Features

- Ideal product to light window reveals, wall wash, and create interesting light patterns
- Reverse polarity protection
- Excellent diffused beam shape from a range of optics
- Optional glare shield accessory
- Can be used as an uplighter or downlighter
- Optimal spacing from mounting surface
- Typical 93 CRI in 3000K warm white
- Integral anti-wicking barrier provides increased protection against moisture
- Large range of paint finishes available
- Variable output options
- Machined from a solid billet of aluminium
- Available with remote Switch, 0-10V, DMX, Dali or Mains dimmable drivers

Specification

Applications



Beam Angles

12°, 31°, 48°, 12° x 36°

LED type

1 x C1 Engine with Nichia

Colour temperature

2700K** / 3000K / 4000K / 5000K

Drive Current (mA)

350 500 700

LED power* (W)

1.2W 1.7W 2.4W

CRI (typical)

93 93 93

Forward voltage (V)₁₀₀

3.0V 3.2V 3.4V

Delivered lumens** (L₁₀₀)

106 138 177

Lumens per circuit watt

88 81 74

LED lifetime (to 70% lumen maintenance)

50,000hrs at a max ambient temperature of 35°C (if specifying fitting in ambient temperatures of up to 45°C run at 500mA max, LD97-500)

Materials

Machined and iridited aluminium body, with a black anodised bezel

Glass

1mm thick low iron glass

Wiring

Comes pre-wired with 2 single 100mm leads, can be specified with up to 10m at extra cost

IP rating

IP66

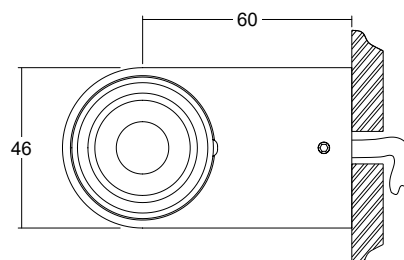
*LED wattage includes losses associated with using an 85% efficient driver

** Lumen output data applies to all colour temperatures.

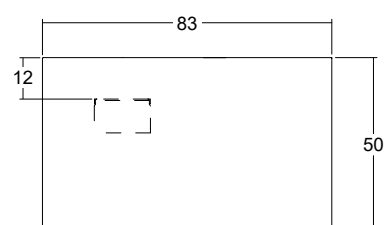


Dimensions

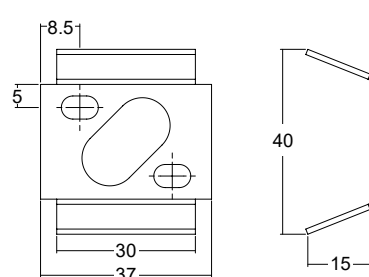
Top View



Side View



Bracket



X1 - FRONT & REAR GATE

LD97

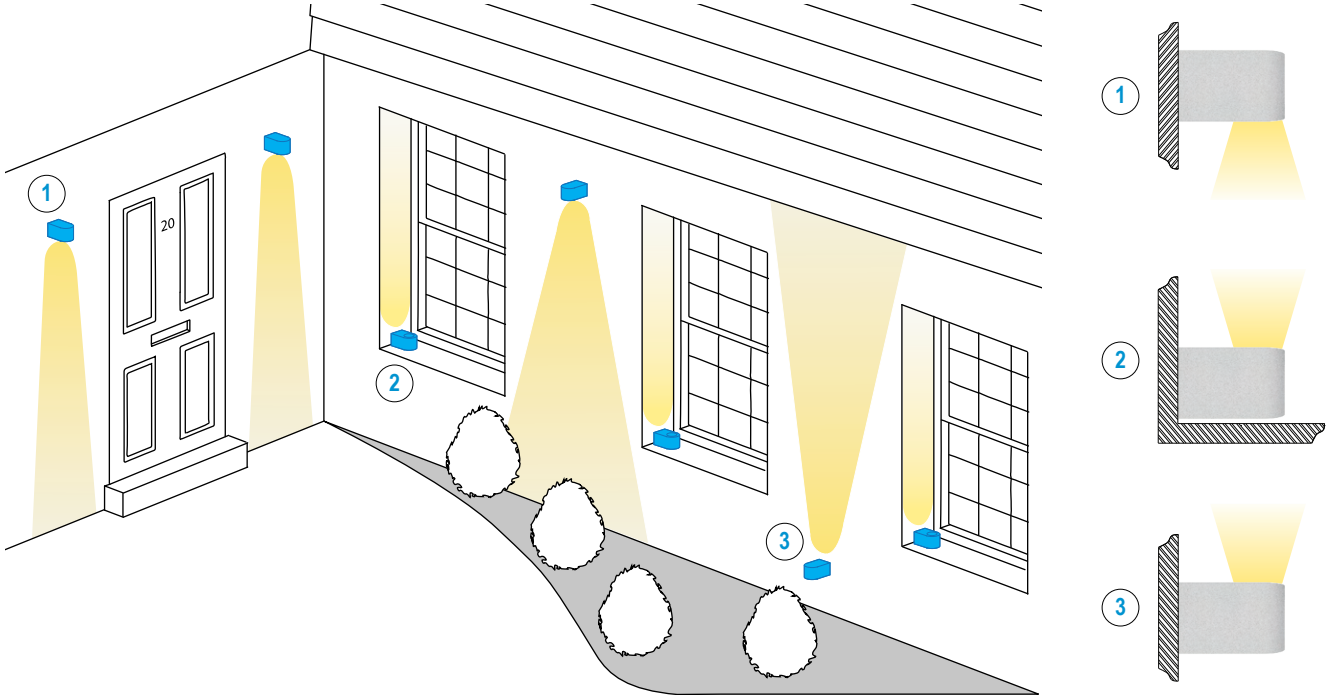
Miniature Wall Mounted Single LED Up or Down Wall Washer



Data sheet - Page 2

Applications

LD97 is incredibly versatile, allowing it to be used in a variety of applications from lighting window reveals to wall washing and path lighting.



Accessories

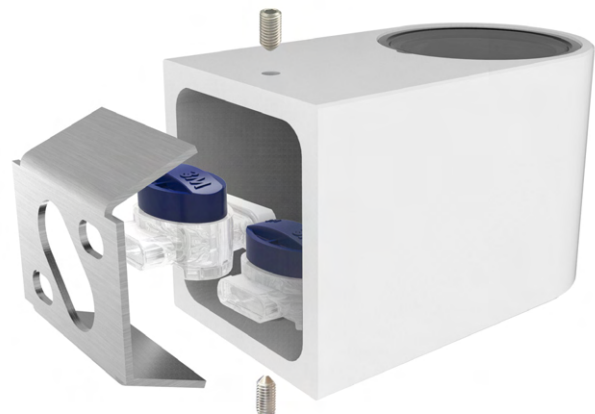
/GS - Glare shield

An optional glare shield is available for the LD97 to further reduce glare from the LED and optic. This does not reduce the light on the lit surface (wall) but will cut out some light onto the ceiling or floor.



Connections

The LD97 has been designed with enough room inside for a connection to be made to a first fix cable, and the remote drivers. It is supplied with two 3M Scotchluk™ connectors, which are IP rated for exterior waterproof applications.



X1 - FRONT & REAR GATE

LD97

Miniature Wall Mounted Single LED Up or Down Wall Washer

Data sheet - Page 3



Cone Diagrams

Cone diagrams below are based on a 3000K LED run at maximum output 700mA.

Narrow Beam

700mA using a 12° optic

Distance (m)	Luminance (lx)
0.5	0.17 4743
1.0	0.35 1186
1.5	0.52 527
2.0	0.70 296
2.5	0.87 190
3.0	1.05 132

Cone Width (m)

Medium Beam

700mA using a 34° optic

Distance (m)	Luminance (lx)
0.5	0.27 2199
1.0	0.55 550
1.5	0.82 244
2.0	1.09 137
2.5	1.37 88
3.0	1.64 61

Cone Width (m)

Wide Beam

700mA using a 55° optic

Distance (m)	Luminance (lx)
0.5	0.46 1169
1.0	0.91 292
1.5	1.37 130
2.0	1.82 73
2.5	2.28 47
3.0	2.73 32

Cone Width (m)

Oval Beam

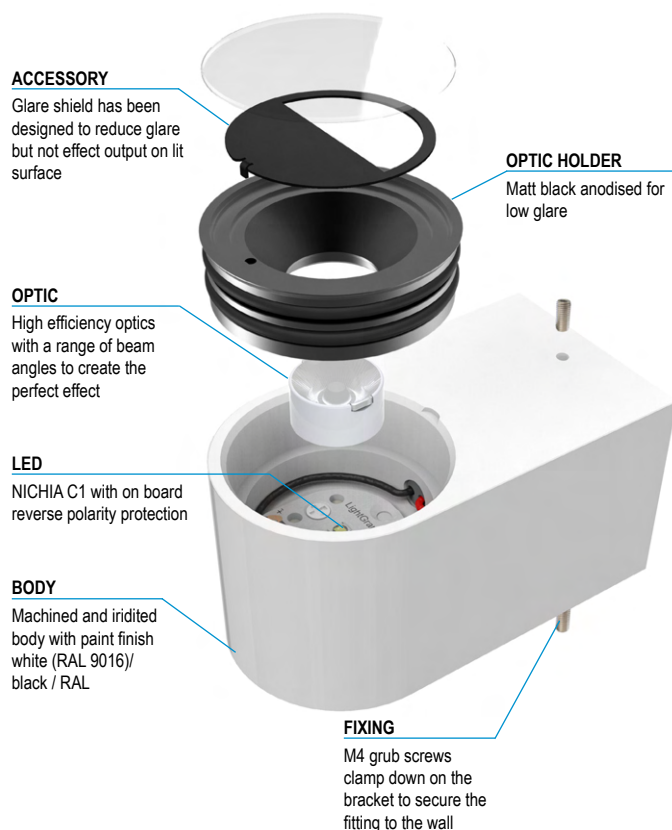
700mA using a 12° x 36° optic

Distance (m)	Luminance (lx)
0.5	0.26 / 0.16 2944
1.0	0.59 / 0.33 736
1.5	0.88 / 0.49 327
2.0	1.18 / 0.66 184
2.5	1.47 / 0.82 118
3.0	1.77 / 0.98 82

Cone Width (m)

Photometric files (LDT) are included in the design pack which can be downloaded from the LD97 product page on the website.

Product Parts



Order Codes and Options

Product code	LED colour	Lens angle	Accessory	Finish
LD97-C1-350 - 500 - 700				

Example: LD97-C1-700 / LW30 / MB / GS / White

Product codes with output options

1.2W LED at 350mA	LD97-C1-350
1.7W LED at 500mA	LD97-C1-500
2.4W LED at 700mA	LD97-C1-700

LED colour options

Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K)	/LW40
Cool White (5000K)	/LW50

*Other LED colour temperatures are available. Please speak to a member of our sales team.

Beam / lens angle options

12° narrow spot	/NB
31° medium	/MB
48° wide	/WB
12° x 36° oval	/OB

Accessory

Glare shield (GS56T)	/GS
----------------------	-----

Finish options

Paint finish silver / black / white (RAL 9016) / antique bronze / satin antique brass / satin brass / RAL finish

Use with 350mA, 500mA and 700mA constant current LED drivers

We have a wide range of dimmable LED drivers, 0-10V, DMX, DALI and Mains dimmable. Please see the downloads section on our website: (drivers can be located up to 40m)

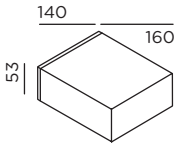
To run 1-14 LD97-350 in series use a TXDEL350D (0-10V dimmable)

To run 1-14 LD97-500 in series use a TXDEL500D (0-10V dimmable)

To run 1-13 LD97-700 in series use a TXDEL700D (0-10V dimmable)



luci down Design: Klaus Nolting



Lichttechnik:
230V Power LED
2700K
L70/50.000 h

Reflektor: schwarz

**dimmbar über Phasenabschrittdimmer
optional mit integriertem DALI-2-Phasendimmer**

Installation:
2x Kabeleinführung; Anschlussklemme 3x 2,5 mm²

Material:
Aluminiumguss pulverbeschichtet + Glaslinse

Schutzart: IP65

**Dieses Produkt enthält eine Lichtquelle
der Energieeffizienzklasse F**

Lichttrichtung:

light technology:
230V Power LED
2700K
L70/50.000 h

reflector: black

**dimmable via trailing edge dimmer
with integrated DALI-2 phase dimmer as an option**

installation:
2x cable entry point; connection terminal 3x 2,5 mm²

material:
aluminium die-casting powder-coated + glass lens

protection class: IP65

**This product contains a light source of
energy efficiency class F**

light direction:

Farbe colour	Art.-Nr. item no.	Systemleistung system performance
 anthracite RAL 7016	93152-AN 93152-AN-DR . DALI-2 ready	6 W/360 lm
 deep black RAL 9005	93152-BL 93152-BL-DR . DALI-2 ready	6 W/360 lm

+ verwandte Produkte related products . luci . luci control

Größe in mm
size in mm

Mast Light

astro

General

Location:	Exterior
Class:	CE (Class I)
Ip Rating:	IP44
Bathroom Zone:	Zone 2, 3
Driver Required:	No
Installation Orientation:	Wall Mount - Vertical
Main Material:	Concrete - Cast
Dimensions (mm):	H: 137 W: 89 D: 89
Cut Out Hole :	-
Recess Depth (mm):	-
Fire Rating:	-
Cable Length (mm):	-
Gross Weight (kg):	0.8

Lamp

Light Source:	LED GU10
Wattage:	6W
Lamp Included:	No
Maximum Lamp Length (mm):	58
Luminous Flux (lm):	Lamp Dependent
Colour Temp (K):	Lamp Dependent
Cri (Ra):	Lamp Dependent
Macadam Ellipse:	Lamp Dependent
Tilt Adjustable Angle (°):	-
Rotation Adjustable Angle (°):	-
Lifetime (hrs):	Lamp Dependent
Beam Angle (°):	Lamp Dependent

Electrical

Switched:	No
Dimmable:	Yes
Dimming Method:	Lamp Dependent
Supply Frequency (Hz):	-
Driver/Ballast Voltage (V):	-
Driver Lifetime (hrs):	-
Efficacy (lm/W):	Lamp Dependent

Additional Information:

Shade Included:	-
Shade/Diffuser Material:	Glass
Shade/Diffuser Finish:	Clear
F Mark:	Suitable for mounting on flammable materials



CODE: 1317006
FINISH: MATT CONCRETE

THIS PRODUCT IS SUITABLE FOR USE BY THE COAST AND OTHER ONEROUS ENVIRONMENTS – TEN YEAR WARRANTY APPLIES, EXCEPT WHEN THE PRODUCT HAS AN INTEGRAL LED AND/OR DRIVER IN WHICH CASE, A THREE YEAR WARRANTY APPLIES. FOR FURTHER WARRANTY INFORMATION PLEASE REFER BACK TO THE ORIGINAL POINT OF PURCHASE.

Ce produit peut être utilisé à proximité des côtes et en environnements difficiles. Il bénéficie d'une garantie de dix ans, sauf s'il est équipé d'une LED et/ou d'un driver intégré(e), auquel cas il bénéficie d'une garantie de trois ans. Pour obtenir de plus amples informations au sujet de la garantie, veuillez vous adresser au point de vente initial.

Dieses Produkt ist für den Einsatz an der Küste und in anderen anspruchsvollen Umgebungen geeignet – es gilt eine zehnjährige Garantie, außer, wenn das Produkt eine integrierte LED und/oder einen integrierten Treiber hat. In diesem Fall gilt eine dreijährige Garantie. Für weitere Informationen zur Garantie wenden Sie sich bitte an die ursprüngliche Verkaufsstelle.

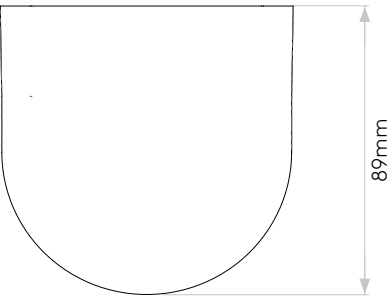
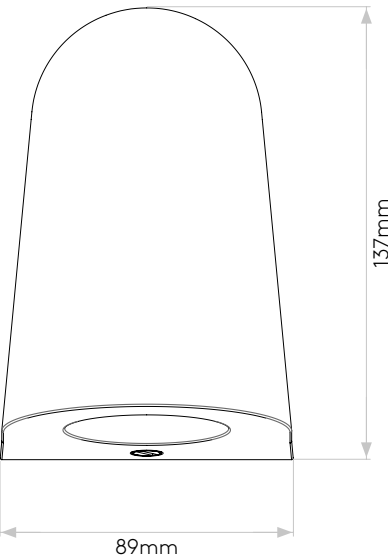
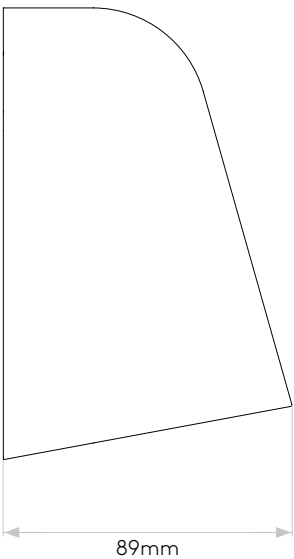
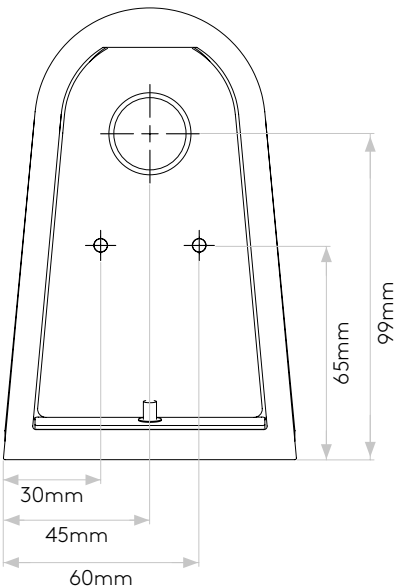
Questo prodotto è adatto per l'uso in zone costiere e in altri ambienti gravosi ed è coperto da una garanzia decennale, tranne quando il prodotto è dotato di un LED integrato e/o di un driver, nel qual caso è coperto da una garanzia triennale. Per ulteriori informazioni sulla garanzia, fare riferimento al centro di acquisto originale.

TO MAINTAIN THIS PRODUCT TO ITS BEST CONDITION, PLEASE VIEW OUR CARE AND CLEANING GUIDE ON THE SUPPORT SECTION OF THE ASTRO WEBSITE.

Pour entretenir au mieux ce produit, veuillez consulter notre guide d'entretien et de nettoyage, dans la rubrique d'aide sur le site Web d'Astro.

Um dieses Produkt im besten Zustand zu erhalten, beachten Sie bitte unseren Leitfaden zu Pflege und Reinigung im Abschnitt „Support“ auf der Astro-Website.

Per mantenere questo prodotto nelle sue migliori condizioni, consultare la nostra guida per la manutenzione e la pulizia nella sezione dedicata all'assistenza del sito Web Astro.



Please note that some dimensions may vary slightly due to manufacturing tolerances, this includes cable entry and fixing holes

Veuillez noter que certaines dimensions peuvent varier légèrement en raison des tolérances de fabrication, y compris l'entrée de câble et les trous de fixation.

Bitte beachten Sie, dass die Maße Fertigungstoleranzen unterliegen und daher in geringem Umfang von der angegebenen Größe abweichen können. Dies gilt auch für Kabeleingänge und Befestigungslöcher.

Si prega notare che possono esserci piccole variazioni in alcune dimensioni dovute alle tolleranze di produzione, queste includono l'ingresso del cavo e i fori di fissaggio.

Motion detector

IS 180-2

black

EAN 4007841 603113

Article number 603113

infrared sensor
180°

max. 12 m

1000 W

1000 W max.



IP54



2 - 2000 lux



5 sec - 15 min



Ideal 2 m



energy saving

3 years

manufacturer's
warranty steinel.de/
garantie

CE

Function description

Homeowner's darling. Infrared wall sensor IS 180-2, for indoors and out, ideal for expansive building fronts and driveways, corner wall bracket for corner mounting available as accessory, 180° angle of coverage, reach can be set up to 12 m or up to 5 m, selectable time and twilight threshold, detection zone can be customised with shrouds.

Technical specifications

Dimensions (L x W x H)	56 x 76 x 120 mm	LED lamps > 2 W < 8 W	175 W
Manufacturer's Warranty	3 years	LED lamps > 8 W	350 W
Settings via	Potentiometers	Capacitive load in µF	132 µF
With remote control	No	Technology, sensors	passive infrared, Light sensor
Version	black	Mounting height	1,80 – 4,00 m
PU1, EAN	4007841603113	Mounting height max.	4,00 m
Type	Motion detectors	Optimum mounting height	2 m
Application, place	Indoors, Outdoors	Detection angle	180 °
Application, room	outdoors, front door, all round the building, terrace / balcony, courtyard & driveway	Angle of aperture	90 °
Colour	black	Sneak-by guard	Yes
Colour, RAL	9005	Capability of masking out individual segments	Yes
Includes corner wall mount	No	Electronic scalability	No
Installation site	wall, corner	Mechanical scalability	No
Package content	1	Reach, radial	r = 1.5 m (4 m²) / r = 3 m (14 m²)
Installation	Surface wiring, Wall, corner	Reach, tangential	r = 5 m (39 m²) / r = 12 m (226 m²)
IP-rating	IP54	Switching zones	504 switching zones

Motion detector

IS 180-2

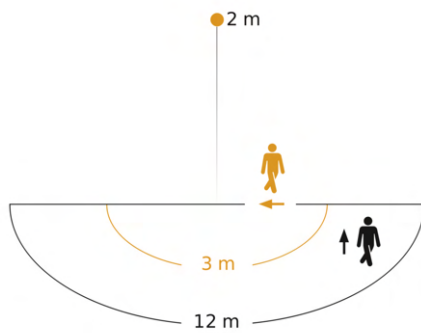
black

EAN 4007841 603113

Article number 603113



Detection Zone

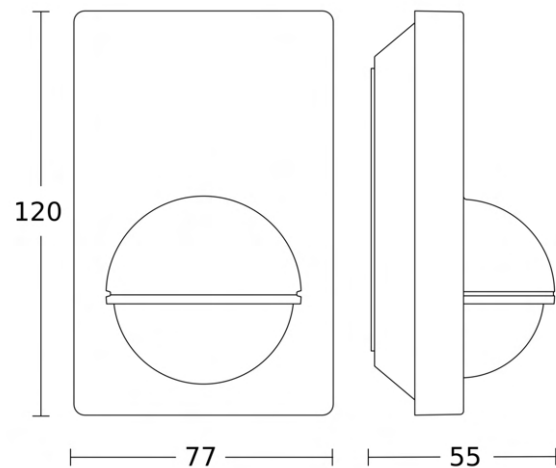


Possible mounting height: 1,80 m – 4,00 m

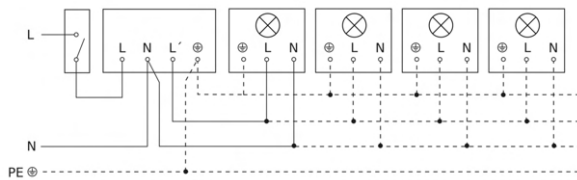
Orange: radial

Black: tangential

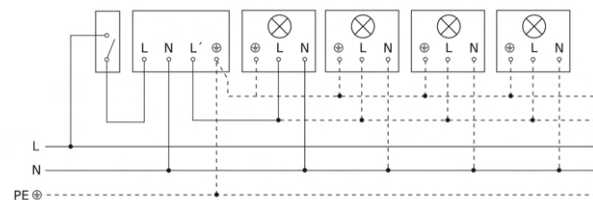
Dimension Drawing



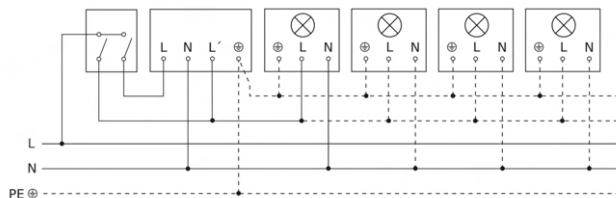
Light without neutral conductor



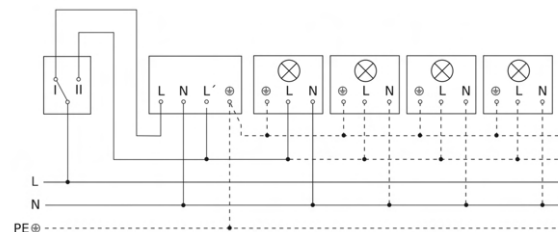
Light with neutral conductor



Connection using two-circuit switch for manual and automatic operation



Circuit diagram Connection via a changeover switch for continuous and automatic operation



Motion detector

IS 360-1 DE

black

EAN 4007841 032852

Article number 032852

infrared sensor
360°

max. Ø 8 m

1000 W

1000 W max.



IP54



2 - 2000 lux



8 sec - 35 min



ideal 2,2 m



energy saving

3 years

manufacturer's
warranty steinel.de/
garantie

CE

Function description

Intelligent technology for installation. Infrared wall sensor IS 360-1 DE, for indoors and out, ideal for installing in projecting roofs and suspended ceilings, 360° angle of coverage, reach can be set up to 4 m, selectable time and twilight threshold, detection zone can be customised with shrouds.

Technical specifications

Dimensions (Ø x H)	78 x 89 mm
Manufacturer's Warranty	3 years
Settings via	Potentiometers
With remote control	No
Version	black
PU1, EAN	4007841032852
Type	Motion detectors
Application, place	Outdoors, Indoors
Application, room	outdoors, front door, all round the building, terrace / balcony, Indoors
Colour	black
Colour, RAL	9005
Includes corner wall mount	No
Installation site	ceiling
Package content	1
Installation	In-ceiling installation, Ceiling
IP-rating	IP54
Protection class	II

LED lamps > 2 W < 8 W	175 W
LED lamps > 8 W	350 W
Capacitive load in µF	132 µF
Technology, sensors	passive infrared, Light sensor
Mounting height	2,50 – 4,00 m
Mounting height max.	4,00 m
Optimum mounting height	2,5 m
Detection angle	360 °
Angle of aperture	90 °
Sneak-by guard	Yes
Capability of masking out individual segments	Yes
Electronic scalability	No
Mechanical scalability	No
Reach, radial	Ø 4 m (13 m²)
Reach, tangential	Ø 8 m (50 m²)
Switching zones	304 switching zones
Twilight setting	2 – 2000 lx

Motion detector

IS 360-1 DE

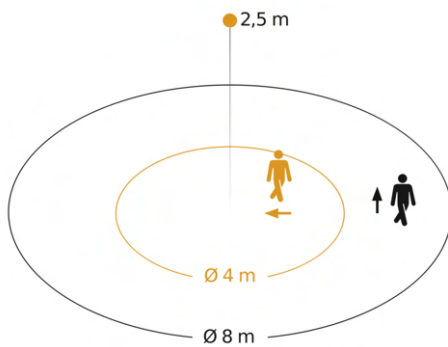
black

EAN 4007841 032852

Article number 032852



Detection Zone

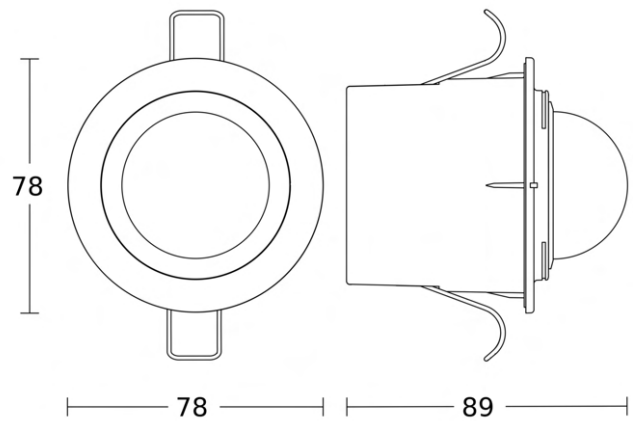


Possible mounting height: 2,50 m – 4,00 m

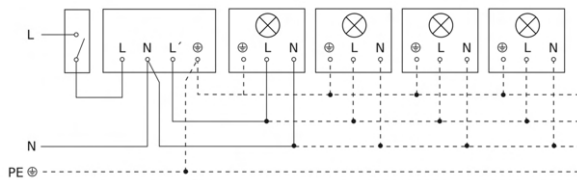
Orange: radial

Black: tangential

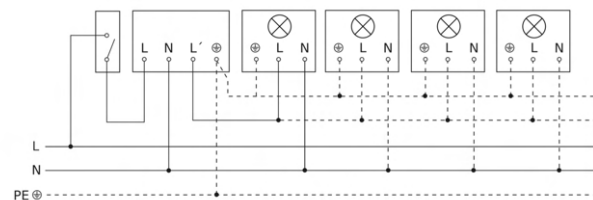
Dimension Drawing



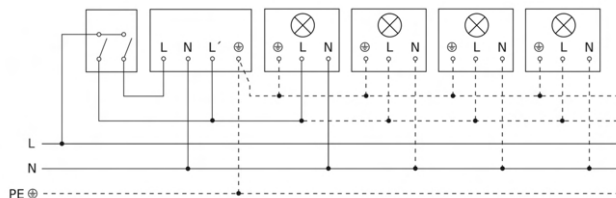
Light without neutral conductor



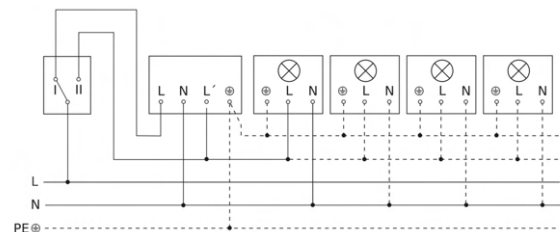
Light with neutral conductor



Connection using two-circuit switch for manual and automatic operation



Circuit diagram Connection via a changeover switch for continuous and automatic operation



WINDOW REVEAL

LD234

COMPACT SURFACE MOUNTED ADJUSTABLE WINDOW REVEAL



The LD234 is the LightGraphix solution for window reveal lighting, embodying our Product DNA in terms of glare control, superior beam quality, versatile mounting options and adaptability. As experts in exterior façade lighting, the LD234 was designed and engineered in-house with input from architects and lighting designers to eliminate common frustrations associated with lighting window reveals.

With three beam angles, multiple contractor-friendly power options, and our advanced E3 engine, the LD234 delivers up to 140 lumens whilst maintaining consistent colour temperatures and colour over angle. Its in-house developed Dual Optic system provides a greater than 180° visible beam spread, minimising glare and creating the perfect lit effect.

A machined aluminium body and IP65 rating ensure durability for indoor and outdoor use. Its versatile mounting options include a standard direct mount fixing with integrated tilt screws, to compensate for surface imperfections and sill angles up to 16°. Additional mounting options include adjustable and lockable brackets for surface, wall, or corner mounting. The LD234 flat top design supports levelling equipment, enabling you to record the installed angle, share it with contractors, and minimise the need to return to site to re-focus the project.

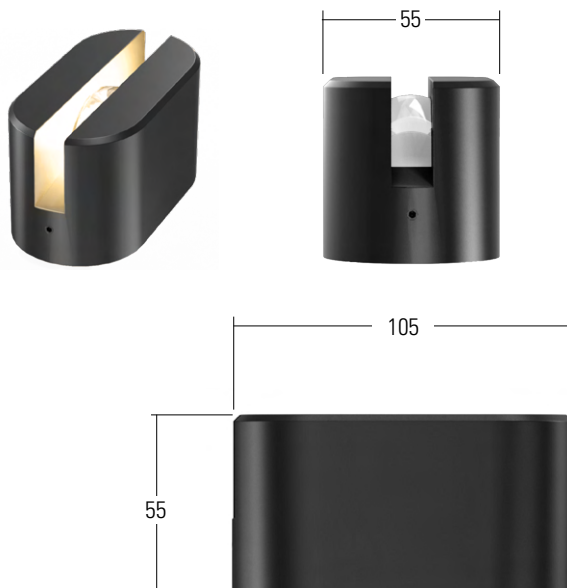
KEY FEATURES

- > Highly versatile with a wide range of mounting options to suit all project types and installation requirements
- > Industry-leading output with three constant current, three 24V options and three different beam angles: ENB (5°x210°), NB (7°x210°) and MB (19°x210°)
- > Available in colour temperatures: 2200K, 2700K, 3000K, 4000K, 5000K
- > LightGraphix in-house developed, built-in Dual Optic system for creating unrivalled soft edge beam quality (NB and MB)
- > Designed for low-glare illumination, when viewed from outside and inside the building
- > IP65 rated
- > High quality machined aluminium metal parts
- > Wide range of standard exterior (including coastal) rated finishes and custom RALs available to enable colour matching of all project and architectural styles
- > Product compatible with our R+R (Repair & Refurbish) initiative
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers/controllers available

DIMENSIONS

Dimensions in mm

For full dimensions please go to page 3.



WINDOW REVEAL

AVAILABLE FINISHES

Please refer to our finishes guide for full details

The LD234 body is machined from aluminium and painted in-house at LightGraphix. Paint finishes are suitable for interior and exterior use on surface mounted products. Our standard colours are below, and we can accommodate any RAL request. Please view our full finishes guide online for more information.

WET SPRAY



BLACK
(RAL 9005)



WHITE
(RAL 9016)



SILVER ANODISED



ANTIQUE BRONZE



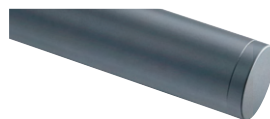
ANTIQUE WHITE
(RAL 9001)



SATIN ANTIQUE BRASS



SATIN BRASS



ANTHRACITE GREY
(RAL 7016)



TEXTURED FIR GREEN
(RAL 6009)



RAL COLOURS

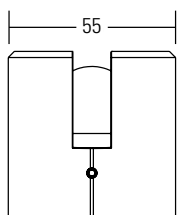
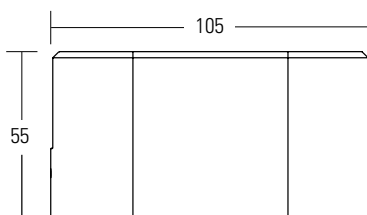
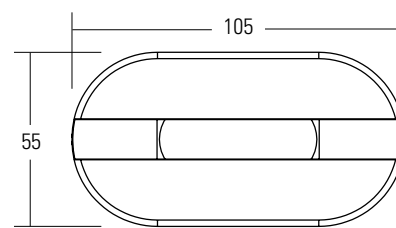
POWDER COAT



TEXTURED MARS BRONZE

DIMENSIONS & MOUNTING OPTIONS

The LD234 has been designed with a range of mounting options to cover all installation requirements and structures, whilst keeping the lit effect consistent throughout. Fixing accessories can be specified in advance or ordered and fitted later depending on on-site details identified during installation. The product's flat top profile allows levelling equipment to be used ensuring all lights are set at the correct angle.



WINDOW REVEAL

CONE DIAGRAMS

E3 LED Engine

Cone diagrams below are based on an 3000K E3 LED engine run at maximum output 700mA constant current or 24v 10W. Photometric files (LDT) are included in the design pack which can be downloaded from the LD234 product page on the website.

Extra Narrow Beam

5° x 210° optic

Distance (m)	Illuminance (lx)	Cone Width (m)
3.0	0.20	52
2.5	0.17	74
2.0	0.13	116
1.5	0.10	207
1.0	0.07	465
0.5	0.03	1862

Cone Width (m)

Narrow Beam

7° x 210° optic

Distance (m)	Illuminance (lx)	Cone Width (m)
3.0	0.31	50
2.5	0.26	72
2.0	0.21	113
1.5	0.16	201
1.0	0.10	451
0.5	0.05	1805

Cone Width (m)

Medium Beam

19° x 210° optic

Distance (m)	Illuminance (lx)	Cone Width (m)
3.0	0.88	19
2.5	0.74	27
2.0	0.58	43
1.5	0.41	76
1.0	0.29	171
0.5	0.15	685

Cone Width (m)



WINDOW REVEAL

ORDER CODES & OPTIONS

Example: LD234-E3-700 / LW30 / MB / Wet Spray Black / AWB

Light engine & drive current

LED Colour

Beam Angle

Finish

Fixing

LD234- / / / /



E3

5W LED at 350mA*	LD234-E3-350
7W LED at 500mA*	LD234-E3-500
10W LED at 700mA*	LD234-E3-700

Super Warm White (2200K)	/LW22
Extra Warm White (2700K)	/LW27
Warm White (3000K)	/LW30
White (4000K) on request	/LW40
Cool White (5000K)	/LW50

5° x 210° Extra Narrow	/ENB
7° x 210° Narrow	/NB
9° x 210° Medium	/MB

	WET SPRAY Black (RAL 9005)
	WET SPRAY White (RAL 9016)
	WET SPRAY Silver Anodised
	WET SPRAY Antique Bronze
	WET SPRAY Antique White (RAL 9001)
	WET SPRAY Satin Antique Brass
	WET SPRAY Satin Brass
	WET SPRAY Anthracite Grey (RAL 7016)
	WET SPRAY Fir Green (RAL 6009)
	WET SPRAY RAL Colours
	POWDER COAT Textured Mars Bronze

	/DM
	/ABM
	/AWB
	/ACM

	E3-24V
5W LED 24V supply**	LD234-E3-24V-5W
7W LED 24V supply**	LD234-E3-24V-7W
10W LED 24V supply**	LD234-E3-24V-10W

Drivers

* Use with 350mA, 500mA & 700mA constant current LED drivers

** 24V constant voltage LED Drivers and Controllers

We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website.