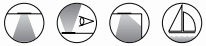


**LD1093Z & LD1093**  
MARINE-GRADE TRIMLESS MODULAR  
ADJUSTABLE LED DOWNLIGHT



5 YEAR  
Warranty



The LD1093Z/LD1093 is a high-power, IP67, adjustable recessed downlight engineered specifically for demanding marine environments. This modular lighting solution offers a choice between 'Zero' trimless bezel (LD1093Z) or trimmed bezel (LD1093). It has an innovative ball joint allowing the lens assembly to be rotated 360°, tilted at up to 25° and locked in place with a simple one-handed twist. Post-installation focusing is quick and efficient, with no need to remove the product from its mounting surface.

The LD1093Z/LD1093 is compatible with a variety of concealed fixing options, making it adaptable to a wide range of ceiling types, including suspended/drop panel ceilings and thicknesses down to 1mm. With a light output exceeding 1000 delivered lumens, this product is available with the E3 or N1 LED engine, offering colour temperatures ranging from 2200K to 5000K. Choose from a variety of beam angles, from 12° to 65°, as well as two oval options. Designed for adaptability, this robust downlight ensures exceptional thermal management and light performance, making it the ideal solution for marine environments.




LD1093Z - Trimless Zero Bezel



LD1093 - Trimmed Bezel

**KEY FEATURES**

- > Zero Trim (trimless) and trimmed bezels available to suit different applications.
- > Innovative lockable 360° rotating ball-joint can be positioned in any direction and tilted up to 25° for ultimate flexibility when focusing onsite
- > Quick and easy on-site focusing once the product is installed
- > Very shallow depth, ideal for height restricted applications
- > Rated IP67
- > Interchangeable optics and glare control accessories including honeycomb louvre
- > Beam angles ranging from 12° Narrow, to 65° Extra Wide, and 2 Oval options
- > E3 and N1 LED engines available, producing up to 1032 lumens in 3000K at 700mA
- > Single optic produces superior beam shape and no multiple shadows
- > High quality machined bezel available in: Polished & Passivated 316 Stainless Steel, 316 Stainless Steel, White (RAL 9016), Black (RAL 9005), Classic Bronze, Textured Mars Bronze, Textured Fir Green, Gunmetal Grey and any RAL colour
- > Various hidden fixing methods for multiple ceiling types
- >  Contains our integral moisture guard (anti-wicking barrier), stopping water ingress from going up the cable into the product from incorrect IP-rated connections
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

**DIMENSIONS**

For full dimensions please go to page 4.



WHITE LED ENGINE SPECIFICATION

| Engine                                | ⊕ E3                          |            |             | ⊙ N1                              |             |             |
|---------------------------------------|-------------------------------|------------|-------------|-----------------------------------|-------------|-------------|
| Beam angles                           | 12°, 19°, 34°, 55°, 15° x 49° |            |             | 25°, 35°, 46°, 65°, 22° x 43°     |             |             |
| LED manufacturer                      | NICHIA                        |            |             | CREE                              |             |             |
| Colour temperature*                   | 2700K, 3000K, 4000K, 5000K    |            |             | 2200K, 2700K, 3000K, 4000K, 5000K |             |             |
| Current [Rated Output]                | 350mA [5W]                    | 500mA [7W] | 700mA [10W] | 350mA [7W]                        | 500mA [10W] | 700mA [14W] |
| Typical LED Circuit wattage           | 4.4W                          | 6.4W       | 9.2W        | 6.4W                              | 9.3W        | 13.3W       |
| Delivered lumens (L <sub>100</sub> )* | 437                           | 570        | 747         | 591                               | 790         | 1032        |
| Delivered lm/Circuit W**              | 98                            | 89         | 81          | 92                                | 85          | 77          |
| Typical LED Source wattage            | 4W                            | 5.8W       | 8.3W        | 5.8W                              | 8.4W        | 12.0W       |
| Source LED lm                         | 574                           | 740        | 949         | 694                               | 937         | 1264        |
| Source lm/W                           | 144                           | 128        | 114         | 120                               | 112         | 105         |
| Forward voltage (V <sub>100</sub> )   | 11.3V                         | 11.6V      | 11.8V       | 16.6V                             | 16.8V       | 17.1V       |
| CRI                                   | 85                            |            |             | 93                                |             |             |
| Colour consistency                    | 2 SDCM                        |            |             | 2 SDCM                            |             |             |
| Peak intensity                        | 7,799 cd                      |            |             | 5,079 cd                          |             |             |
| LOR                                   | 0.79                          |            |             | 0.82                              |             |             |
| TM30                                  | RF86   RG98                   |            |             | RF92   RG100                      |             |             |
| UGR rating ('downlight' mounted)***   | 8.9                           | 9.8        | 10.9        | 11.5                              | 12.5        | 13.4        |
| BUG rating ('downlight' mounted)      | B1-U0-G0                      |            |             | B1-U0-G0                          |             |             |
| LED lifetime                          | L90B5 at 90,000hrs            |            |             | L90B5 at 90,000hrs                |             |             |
| Applications                          |                               |            |             |                                   |             |             |

These values are based on LD1093-E3-700-LW30-NB and LD1093-N1-700-LW30-NB  
 \*See lumen variance table to the right for N1 engine. E3 lumens apply across all colour temperatures  
 \*\*LED wattage includes losses associated with using a 90% efficient driver  
 \*\*\*UGR values based on room parameter of 4H, 8H, C70 W50 F20

| Lumen variance by CCT |        |
|-----------------------|--------|
| 2200K                 | -7%    |
| 2700K                 | +/- 0% |
| 4000K                 | +7%    |
| 5000K                 | +16%   |

MECHANICAL

|                     |                                   |
|---------------------|-----------------------------------|
| Ambient temperature | -20°C to 35°C (350mA/500mA/700mA) |
| Glass               | 1mm thick, low iron glass         |
| Materials           | Aluminium, Stainless Steel, Glass |
| Weight of product   | 700g                              |
| IP rating           | IP67                              |
| Wiring              | External 2 core cable, 400mm      |

ENVIRONMENTAL

|                    |   |
|--------------------|---|
| TM65               | Available on request  |
| TM66               | 2.5   |
| Repair + Refurbish | This product is included in our Repair and Refurbish scheme. This offers customers the ability to send back products to us for repair or refurbishment to extend their life without having to buy new fittings. |

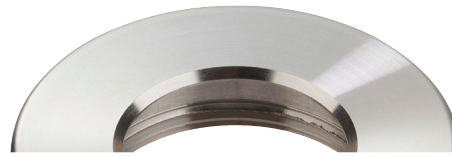
AVAILABLE FINISHES

Please refer to our finishes guide for full details



**POLISHED & PASSIVATED 316 STAINLESS STEEL**

- > Marine Grade 316 Stainless Steel
- > Pristine mirror like finish
- > Recommended for pools and marine applications
- > 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



**316 STAINLESS STEEL**

- > Marine grade 316 Stainless Steel
- > Standard machined finish
- > Extremely durable
- > Passivation recommended for marine environments to prevent corrosion and build up of brown stains caused by oxidation
- > Interior & exterior use

**PAINT FINISH - POWDER COAT**

- > The powder coat finish has a very matte appearance.
- > Powder coat paint is generally used on stainless steel or anodised aluminium components
- > Interior and exterior use



**WHITE**  
(RAL 9016)



**BLACK**  
(RAL 9005)



**CLASSIC BRONZE**  
(YM262E)



**TEXTURED MARS BRONZE**



**TEXTURED FIR GREEN**  
(RAL 6009)



**GUNMETAL GREY**  
(RAL 7021)

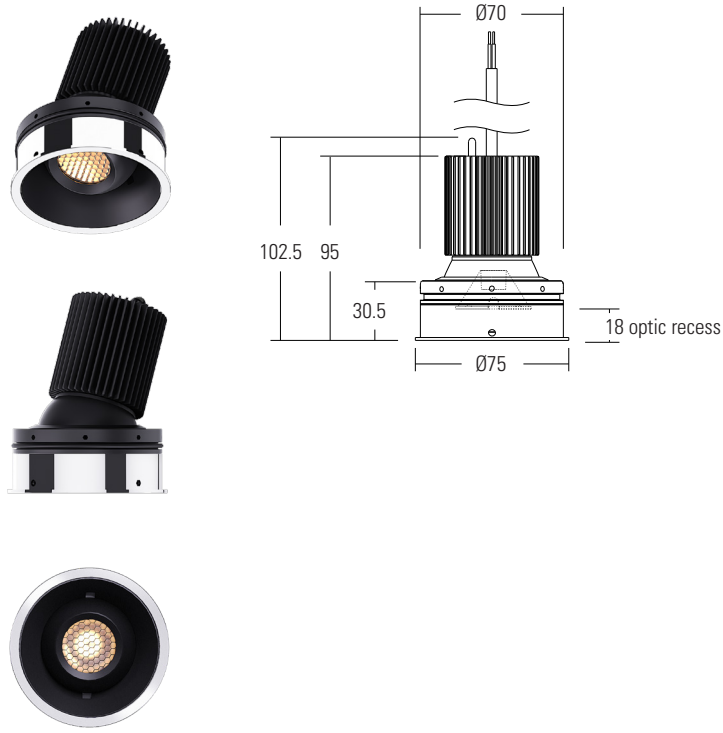


**RAL COLOURS**

**DIMENSIONS**

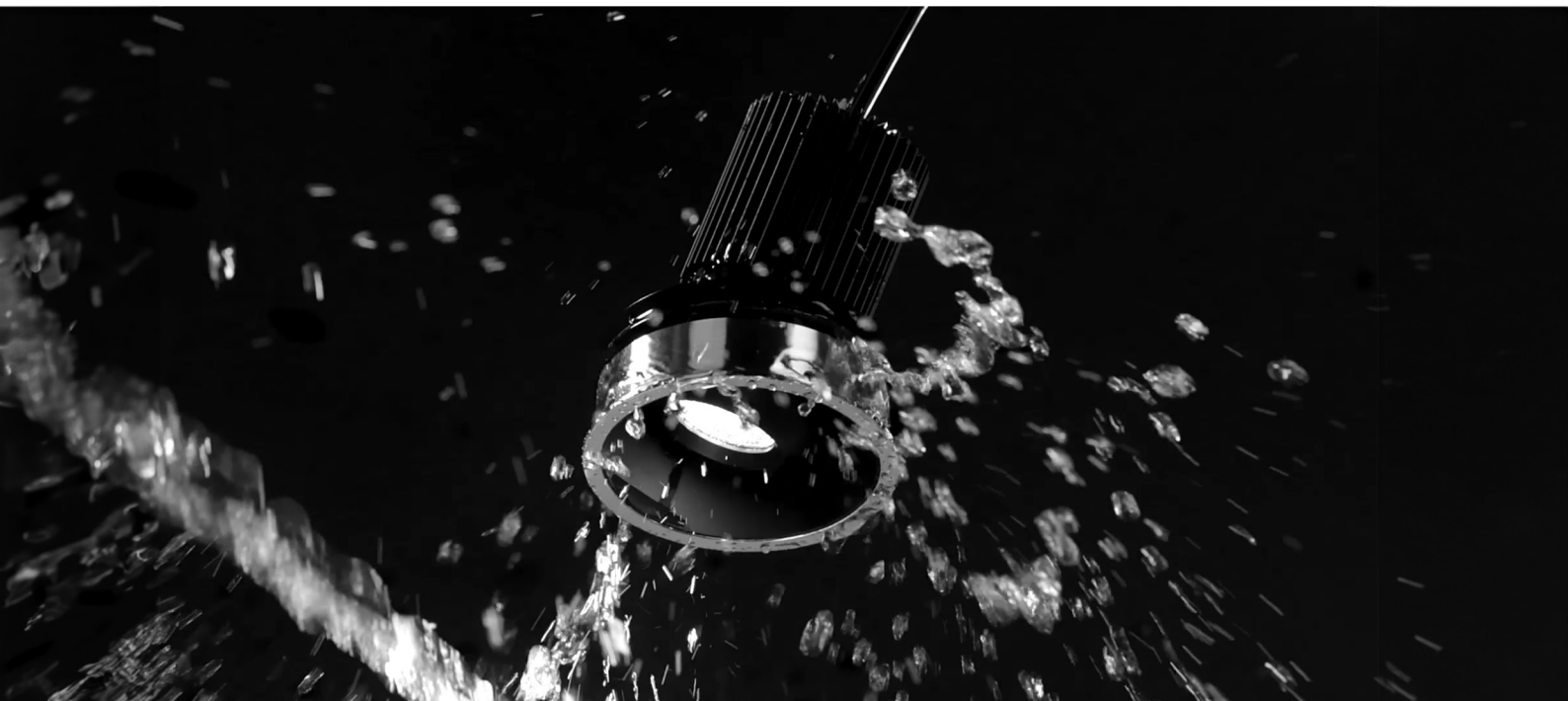
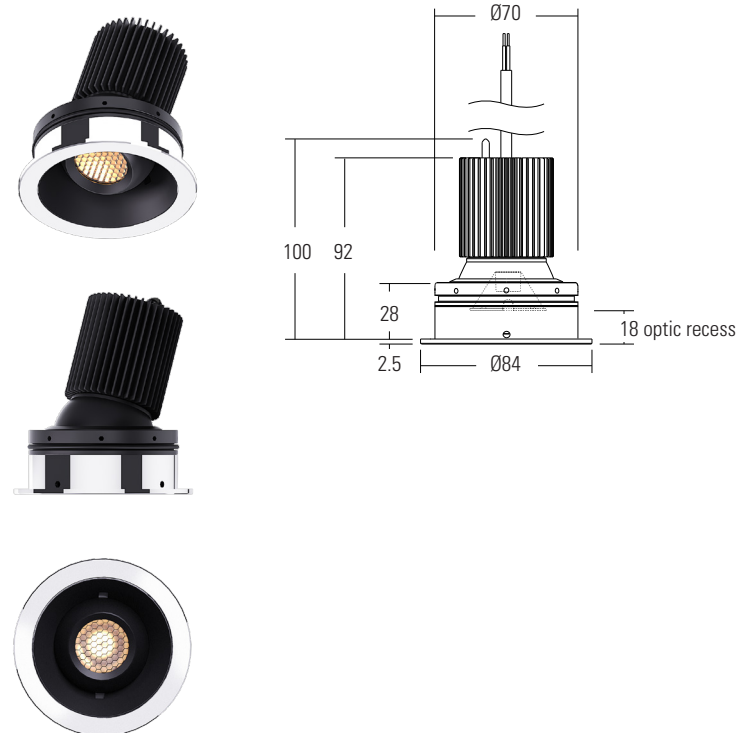
**LD1093Z Trimless Zero Bezel**

The LD1093Z provides a flush-finished, sleek and discreet look, focusing on the lit effect and low glare aspects of the fitting.



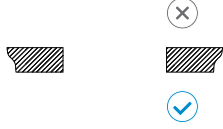








**LD1093 Trimmed Bezel**

The LD1093 allows for more traditional push fit installation with the spring clips or sleeve and spring, and fitting in less accurately cut holes than the LD1093Z. Finish customisation is also possible using our in-house powder coat paint options, all of which are thoroughly tested in harsh conditions.



CEILING COMPATIBILITY

The below table shows typical ceiling scenarios - ie whether the installer only has access to the front of the ceiling, to the front and back, or if there is a removable panel on the ceiling, and the compatible ceiling thickness range for each product and mounting combination

|                                       |   | Front Access Only  | Front + Rear Access  | Suspended Panel Ceiling   |
|---------------------------------------|---|--|--|---|
|                                       |   | For 'traditional' fixed ceiling installations, with no access to the rear ceiling void side. | For when you have access to the front and the rear void of the ceiling, eg removable panels. | For suspended removable panels, allowing seamless and secure installation to the top fixed ceiling surface. |
|                                       |   |             |            |                          |
| <b>LD1093Z</b><br>Trimless Zero Bezel | <br><b>/493XPR</b><br>Expansion Ring<br>Page 6         | 12mm<br>minimum thickness  | 12mm<br>minimum thickness  | x   |
|                                       | <br><b>/493CMR</b><br>Ceiling Mount Ring<br>Page 7   | x  | 1mm<br>minimum thickness   | 1mm<br>minimum thickness  |
|                                       | <br><b>/493SMS</b><br>Surface Mount Sleeve<br>Page 8 | x  | x  | 1mm<br>minimum thickness  |
| <b>LD1093</b><br>Trimmed Bezel        | <br><b>/493XPR</b><br>Expansion Ring<br>Page 9       | 1mm<br>minimum thickness   | 1mm<br>minimum thickness   | x   |
|                                       | <br><b>/SC</b><br>Spring Clips<br>Page 10            | 6-18mm<br>minimum thickness  | 6-18mm<br>minimum thickness  | x   |
|                                       | <br><b>/493S</b><br>Sleeve & Spring Clips<br>Page 10 | 3mm<br>minimum thickness   | 3mm<br>minimum thickness   | x   |

LD1093Z DIMENSIONS AND FIXING OPTIONS

Dimensions in mm

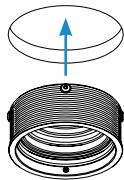
/493XPR Expansion Ring

This is a brand-new fixing type for LightGraphix, designed specifically to eliminate the possibility of any ceiling damage. The fixing is secured into the recess with an innovative expanding sleeve, which holds the luminaire securely and is fitted and fixed from the front of the fitting. **Available on the LD1093Z & LD1093**

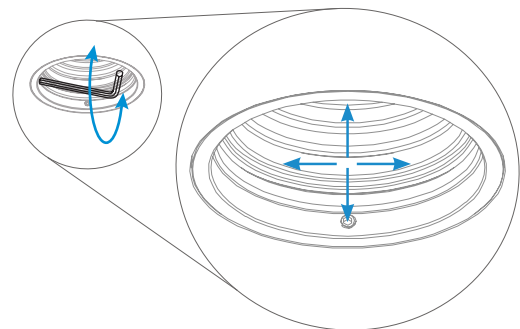


HOW TO INSTALL THE 493XPR

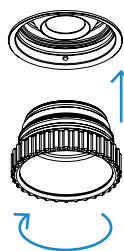
- 1 Cut out hole - 76mm. Place fixing into the cut-out.



- 2 Tighten built in screws in the bezel to expand the fitting sleeve into place.

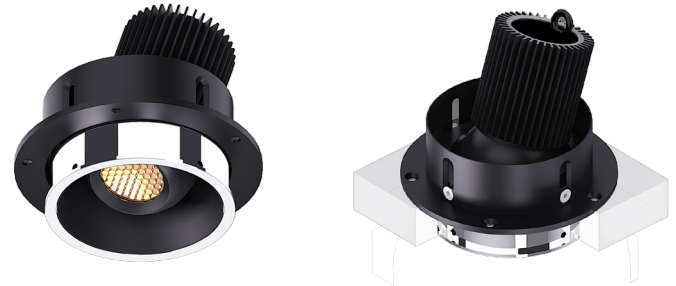
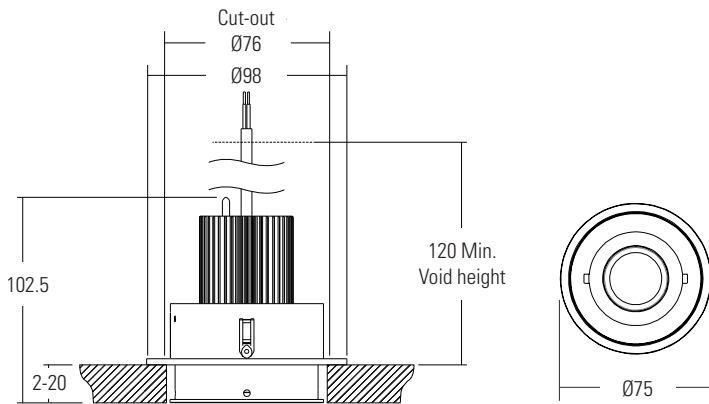


- 3 Install LED engine, adjust and focus the LD1093Z then lock in place with the hand tool.



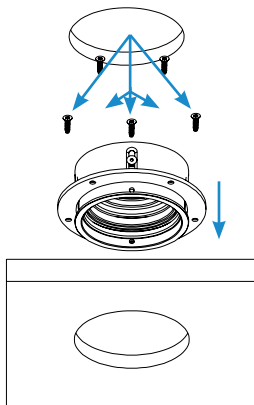
**/493CMR Ceiling Mount Ring**

The ceiling mount ring fixes to the top side of a ceiling or removable panel. It allows adjustment to the product depth to fit a range of thicknesses of ceiling, panel, or for where a removable panel is placed directly over a fixed ceiling structure. **Available on the LD1093Z only.**

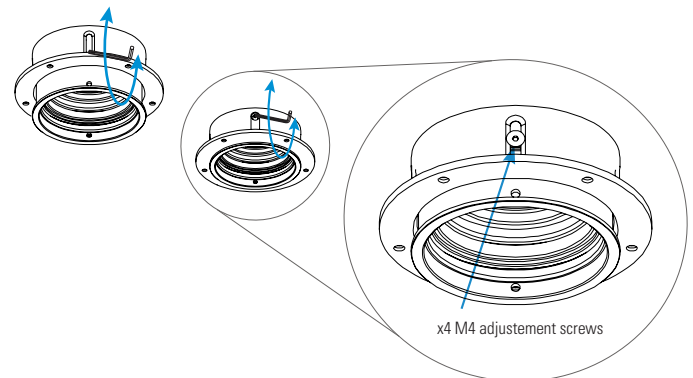


**HOW TO INSTALL THE 493CMR**

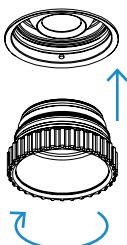
- 1 Cut out hole - Ø76. Place fixing up into the cut-out.



- 2 Loosen adjustment screws, set the bezel to the desired height, re-tighten screws.

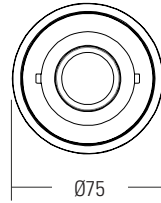
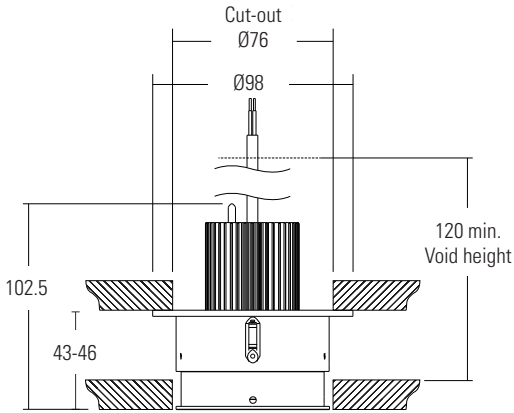


- 3 Install LED engine, adjust and focus the LD1093Z then lock in place with the hand tool.



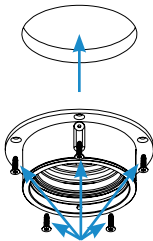
**/493SMS Surface Mount Sleeve**

This fixing method is designed specifically for removable panel / drop ceiling applications. The sleeve is mounted to the surface before the drop ceiling is installed, allowing the fitting to be adjusted to the correct distance. The drop ceiling can then be placed, removed and changed without the need to re-install the fitting. **Available on the LD1093Z only.**

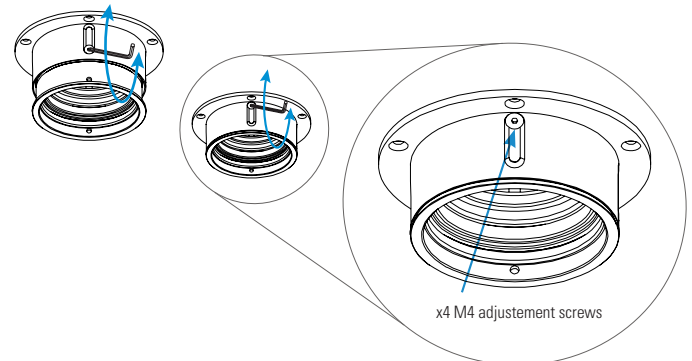


**HOW TO INSTALL THE 493SMS**

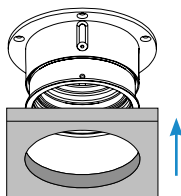
- 1 Cut out hole - Ø76. Place fixing up into the cut-out.



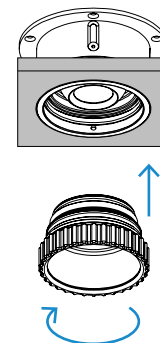
- 2 Loosen adjustment screws, set the bezel to the desired height, re-tighten screws.



- 3 Offer up the removable ceiling panel (with a cutout for the 75.2mm bezel diameter)



- 4 Install LED engine, adjust and focus the LD1093Z then lock in place with the hand tool.





LD1093 DIMENSIONS AND FIXING OPTIONS

Dimensions in mm

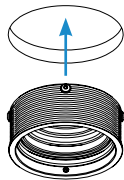
/493XPR Expansion Ring

This is a brand-new fixing type for LightGraphix, designed specifically to eliminate the possibility of any ceiling damage. The fixing is secured into the recess with an innovative expanding sleeve, which holds the luminaire securely and is fitted and fixed from the front of the fitting. **Available on the LD1093Z & LD1093**

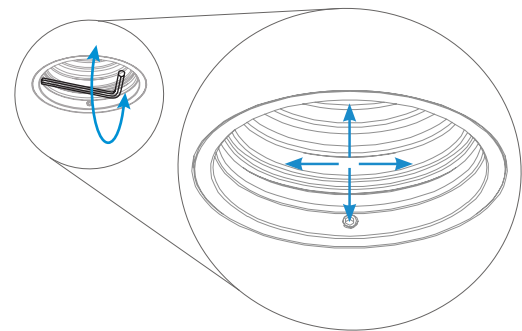


HOW TO INSTALL THE 493XPR

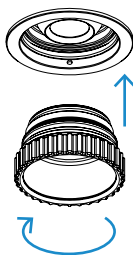
- 1 Cut out hole - Ø76mm. Place fixing into the cut-out.



- 2 Tighten built in screws in the bezel to expand the fitting sleeve into place.

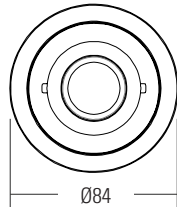
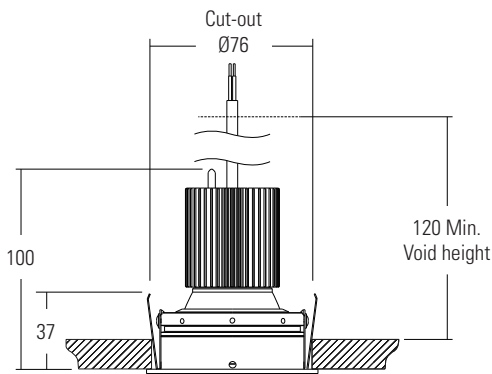


- 3 Install LED engine, adjust and focus the LD1093 then lock in place with the hand tool.



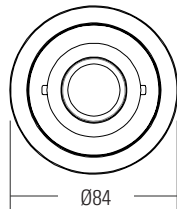
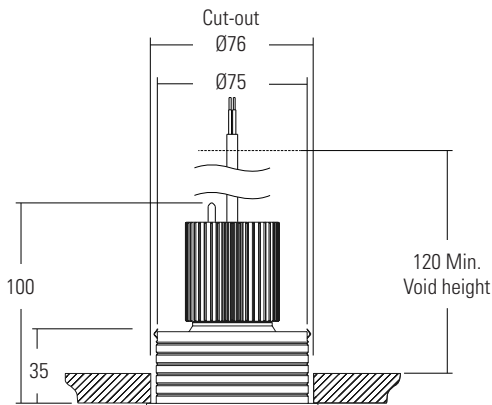
**/SC Spring Clips**

Provides a simple single-fix mounting method for the LD1093. **Available on the LD1093 only.**



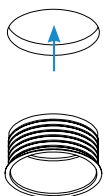
**/493S Sleeve + Spring Clips**

A new fixing method from LightGraphix for the LD1093. It comprises of a robust sleeve with added spring clips to prevent the product from twisting during adjustment once installed. **Available on the LD1093 only.**

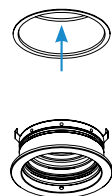


**HOW TO THE 493S**

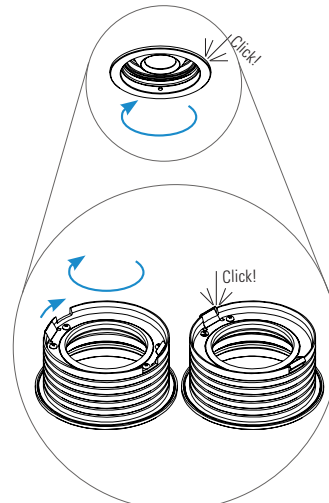
**1** Cut out hole - Ø76mm.



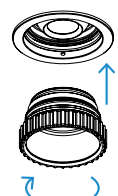
**2** Bond in sleeve



**3** Push product into sleeve and rotate until a 'click' is heard and felt



**4** Install LED engine, adjust and focus the LD1093 then lock in place with the hand tool.



## GLARE CONTROL OPTIONS

### /NGS No glare accessory

No glare shield. Low glare optic and matt black anodised optic holder aids in glare reduction.



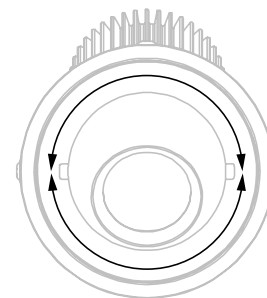
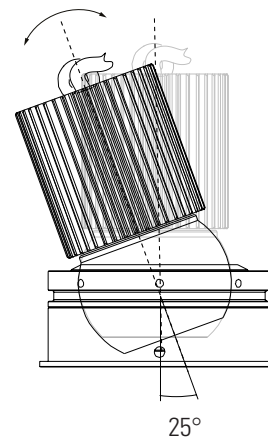
### /HL Honeycomb louvre

Helps reduce glare from all angles.



## LOCKABLE ADJUSTABILITY

Featuring an innovative 360° rotating ball-joint, the lens assembly can be positioned in any direction and tilted up to 25° for ultimate flexibility when focusing on-site. The assembly includes a lockable matt black baffle designed for glare reduction and is easily secured with using the /1093HT hand tool.

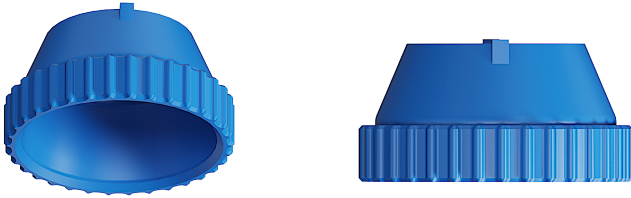


360°Rotation

## HT1093 HAND TOOL

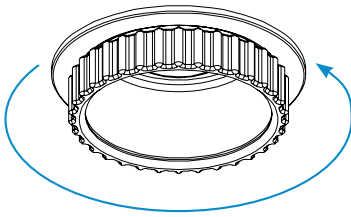
### /HT1093 Hand tool

Adjustability of the luminaire and ball joint is very simple using the small custom tool. The hand tool is required to unscrew the bezel and tilt the rotating ball-joint into the desired position for quick on-site focusing. This tool is supplied separately.

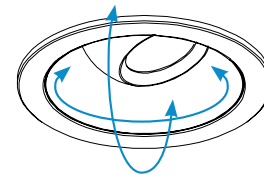


## HOW TO ADJUST THE LIGHT ANGLE USING THE HAND TOOL

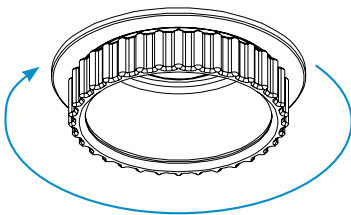
- 1 Gently loosen the baffle.



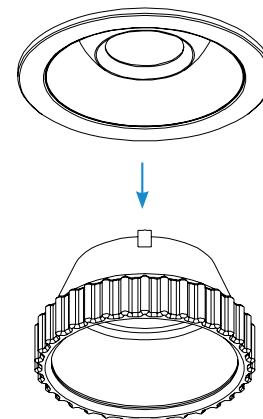
- 2 Adjust ball to desired angle. Make all tilt adjustments by hand.



- 3 Tighten baffle until unable to tighten anymore. The ball should be secure and locked into position.



- 4 Remove tool from fitting. Confirm adjustment was successful by powering up the fitting.



## SAFETY TETHER

The fitting is equipped with a safety tether fixing point for optional extra security on installation.



## CONE DIAGRAMS

### E3 LED Engine

Cone diagrams below are based on a 3000K E3 LED engine run at maximum output 700mA, 10W. Images below represents beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD1093/Z product pages on the website.

**Narrow Beam**  
700mA using a 12° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.13           | 31186          |
| 1.0          | 0.26           | 7797           |
| 1.5          | 0.38           | 3465           |
| 2.0          | 0.51           | 1949           |
| 2.5          | 0.64           | 1247           |
| 3.0          | 0.77           | 866            |

Cone Width (m)

**Medium Beam**  
700mA using a 19° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.16           | 21352          |
| 1.0          | 0.32           | 5338           |
| 1.5          | 0.49           | 2372           |
| 2.0          | 0.65           | 1335           |
| 2.5          | 0.81           | 854            |
| 3.0          | 0.97           | 593            |

Cone Width (m)

**Wide Beam**  
700mA using a 34° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.27           | 7672           |
| 1.0          | 0.54           | 1918           |
| 1.5          | 0.81           | 852            |
| 2.0          | 1.08           | 480            |
| 2.5          | 1.35           | 307            |
| 3.0          | 1.62           | 213            |

Cone Width (m)

**Extra Wide Beam**  
700mA using a 55° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.46           | 3541           |
| 1.0          | 0.91           | 885            |
| 1.5          | 1.37           | 393            |
| 2.0          | 1.82           | 221            |
| 2.5          | 2.28           | 142            |
| 3.0          | 2.73           | 98             |

Cone Width (m)

**Oval Beam**  
700mA using a 15° X 49° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.14 / 0.40    | 9371           |
| 1.0          | 0.28 / 0.80    | 2343           |
| 1.5          | 0.42 / 1.21    | 1041           |
| 2.0          | 0.56 / 1.61    | 586            |
| 2.5          | 0.69 / 2.01    | 375            |
| 3.0          | 0.83 / 2.41    | 260            |

Cone Width (m)

### N1 LED Engine

Cone diagrams below are based on a 3000K N1 LED engine run at maximum output 700mA, 14W. Images below represents beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD154 product page on the website.

**Medium Spot Beam**  
700mA using a 25° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.21           | 17636          |
| 1.0          | 0.43           | 4409           |
| 1.5          | 0.64           | 1960           |
| 2.0          | 0.86           | 1102           |
| 2.5          | 1.07           | 705            |
| 3.0          | 1.29           | 490            |

Cone Width (m)

**Medium Beam**  
700mA using a 35° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.27           | 9161           |
| 1.0          | 0.54           | 2290           |
| 1.5          | 0.81           | 1018           |
| 2.0          | 1.08           | 573            |
| 2.5          | 1.35           | 366            |
| 3.0          | 1.62           | 254            |

Cone Width (m)

**Wide Beam**  
700mA using a 46° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.49           | 4778           |
| 1.0          | 0.98           | 1195           |
| 1.5          | 1.47           | 531            |
| 2.0          | 1.96           | 229            |
| 2.5          | 2.45           | 191            |
| 3.0          | 2.94           | 133            |

Cone Width (m)

**Extra Wide Beam**  
700mA using a 65° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.55           | 3847           |
| 1.0          | 1.09           | 962            |
| 1.5          | 1.64           | 427            |
| 2.0          | 2.19           | 240            |
| 2.5          | 2.74           | 154            |
| 3.0          | 3.28           | 107            |

Cone Width (m)

**Oval Beam**  
700mA using a 22° X 43° optic

| Distance (m) | Cone Width (m) | Luminance (lx) |
|--------------|----------------|----------------|
| 0.5          | 0.35 / 0.21    | 9989           |
| 1.0          | 0.70 / 0.42    | 2135           |
| 1.5          | 1.06 / 0.63    | 1110           |
| 2.0          | 1.41 / 0.84    | 624            |
| 2.5          | 1.76 / 1.04    | 400            |
| 3.0          | 2.11 / 1.25    | 277            |

Cone Width (m)

ORDER CODES & OPTIONS - LD1093Z

Example: LD1093Z-E3-700 / LW30 / MB / HC / POLISHED & PASSIVATED 316 STAINLESS STEEL / 493XPR

Light engine & drive current / LED Colour / Beam Angle / Accessory / Finish / Fixing

LD1093Z- / / / / / /

**E3**

**LD1093Z (Trimless Zero bezel)**



|                  |                |
|------------------|----------------|
| 5W LED at 350mA  | LD1093Z-E3-350 |
| 7W LED at 500mA  | LD1093Z-E3-500 |
| 10W LED at 700mA | LD1093Z-E3-700 |

|                          |       |
|--------------------------|-------|
| Extra Warm White (2700K) | /LW27 |
| Warm White (3000K)       | /LW30 |
| White (4000K) on request | /LW40 |
| Cool White (5000K)       | /LW50 |

|                |      |
|----------------|------|
| 12° Narrow     | /NB  |
| 19° Medium     | /MB  |
| 34° Wide       | /WB  |
| 55° Extra Wide | /WWB |
| 15° x 49° Oval | /OB  |

|   |      |
|---|------|
|  | /NGS |
|  | /HL  |

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

|   |         |
|---|---------|
|  | /493XPR |
|  | /493CMR |
|  | /493SMS |

**N1**

**LD1093Z (Trimless Zero bezel)**



|                  |                |
|------------------|----------------|
| 7W LED at 350mA  | LD1093Z-N1-350 |
| 10W LED at 500mA | LD1093Z-N1-500 |
| 14W LED at 700mA | LD1093Z-N1-700 |

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

|                 |      |
|-----------------|------|
| 25° Medium Spot | /MSB |
| 35° Medium      | /MB  |
| 46° Wide        | /WB  |
| 65° Extra Wide  | /WWB |
| 22° x 43° Oval  | /OB  |


**Drivers**  
Use with 350mA, 500mA & 700mA constant current LED drivers  
We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website.

## ORDER CODES & OPTIONS - LD1093

Example: LD1093-E3-700 / LW30 / MB / HC / POLISHED & PASSIVATED 316 STAINLESS STEEL / 493XPR



Light engine & drive current / LED Colour / Beam Angle / Accessory / Finish / Fixing

### E3




| LD1093 (Trimmed bezel)  |               |
|---|---------------|
|  |               |
| 5W LED at 350mA   | LD1093-E3-350 |
| 7W LED at 500mA   | LD1093-E3-500 |
| 10W LED at 700mA  | LD1093-E3-700 |

|                          |       |
|--------------------------|-------|
| Extra Warm White (2700K) | /LW27 |
| Warm White (3000K)       | /LW30 |
| White (4000K) on request | /LW40 |
| Cool White (5000K)       | /LW50 |

|                |      |
|----------------|------|
| 12° Narrow     | /NB  |
| 19° Medium     | /MB  |
| 34° Wide       | /WB  |
| 55° Extra Wide | /WWB |
| 15° x 49° Oval | /OB  |

|   |      |
|---|------|
|  | /NGS |
|  | /HL  |

|   |   |
|---|---|
|  | 316 Stainless Steel   |
|  | Polished & Passivated 316 Stainless Steel (for marine environments) |
|  | Paint Finish White (RAL 9016)                                       |







|   |         |
|---|---------|
|  | /493XPR |
|  | /SC     |
|  | /493S   |

### N1

| LD1093 (Trimmed bezel)  |               |
|---|---------------|
|  |               |
| 7W LED at 350mA   | LD1093-N1-350 |
| 10W LED at 500mA  | LD1093-N1-500 |
| 14W LED at 700mA  | LD1093-N1-700 |

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

|                 |      |
|-----------------|------|
| 25° Medium Spot | /MSB |
| 35° Medium      | /MB  |
| 46° Wide        | /WB  |
| 65° Extra Wide  | /WWB |
| 22° x 43° Oval  | /OB  |

|   |  |
|---|--|
|  | Paint Finish Black (RAL 9005)              |
|  | Paint Finish Classic Bronze (YM262E)       |
|  | Paint Finish Textured Mars Bronze          |
|  | Paint Finish Textured Fir Green (RAL 6009) |
|  | Paint Finish Gunmetal Grey (RAL 7021)      |
|  | Paint Finish - RAL                         |

| Drivers   |
|---|
| Use with 350mA, 500mA & 700mA constant current LED drivers<br>We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website. |