

# MULTI-BEAM



optical control downlights

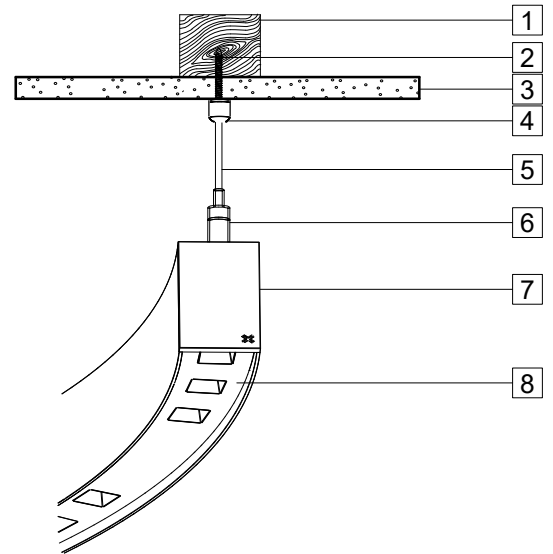
## INSTALLATION INSTRUCTIONS

## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

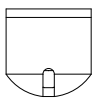
### WIRE SUSPENSION

Risk of electric shock - do not open except as instructed.  
 Installation and maintenance must be performed by a licensed electrician.  
 Disconnect mains supply before installation, maintenance or lens replacement.  
 This luminaire must be earthed.  
 Verify the mounting structure can support the luminaire weight before installation.  
 Do not modify or alter the luminaire in any way.  
 Use only manufacturer supplied components and accessories.

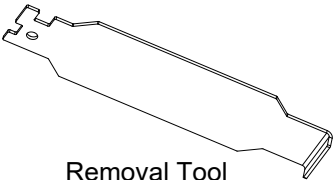
1. Beam or Support
2. Fastener
3. Ceiling
4. Rollerball Barrel
5. Suspension Wire
6. Clutch
7. Endplate
8. Lens Cover Assembly



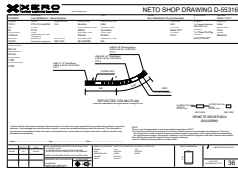
1



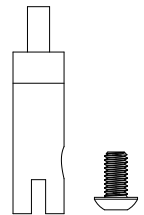
Rollerball Barrel



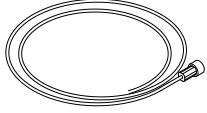
Removal Tool



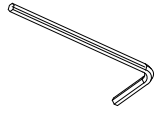
Shop Drawing




Clutch & Screw




Suspension Wire



Allen Key



Sling

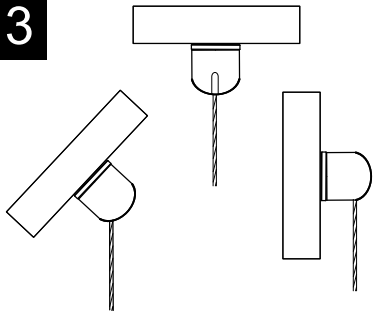


Grub Screw

2

## Determine Mounting Location

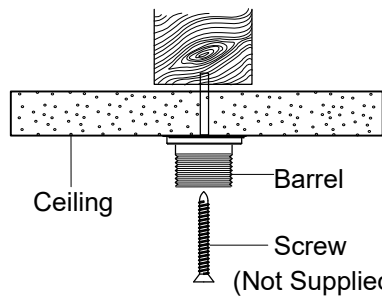
3



Can be mounted on flat ceiling, raked ceiling and wall.

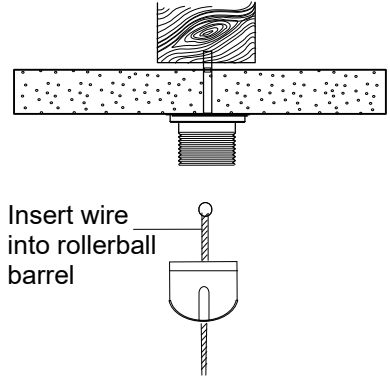
Installer must ensure that the slot orientation in rollerball barrel allows suspension wire to remain perpendicular at all times in all orientations.

4



Screw rollerball barrel to mounting surface

5



Insert wire into rollerball barrel

If more information is required please contact your local representative at [xerolighting.com/contact](http://xerolighting.com/contact) or email us at [headoffice@xerolighting.com](mailto:headoffice@xerolighting.com)

## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

**6**

Slide cover to one side. Engage removal tool with rebate under cover and pull to remove cover.

Remove Lens Cover Assembly and disconnect electrical Connectors

Note position of the Lens Cover Assembly relative to body section

**7**

0.39"

Rebate Location

Section Join

**8**

Insert wire in clutch the adjust wire height with clutch

**9**

Trim off excess wire once level

**10 (For Straight Sections Only)**

Remove End Plate

**11 (For Straight Sections Only)**

Insert wire in clutch

Grub Screw

Then slide sling into clutch & tighten with grub screw

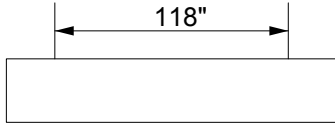
**12 (For Straight Sections Only)**

Slide sling along the fitting and replace outer end cap

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

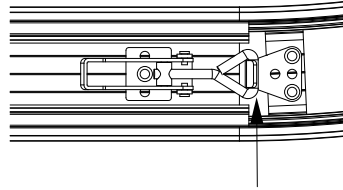
**13A**



Ensure a max of 118" between wires is maintained

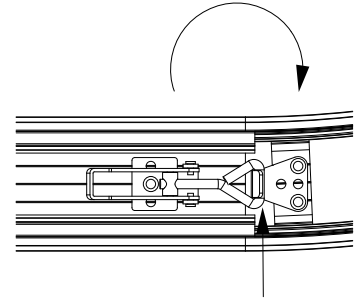
**NOTE:** Wires should be no more than 20" from the end of the luminaire & no more than 20" from a join

**14A**



If more than one piece do up the latch and connect electrical harnesses protruding from each body section.

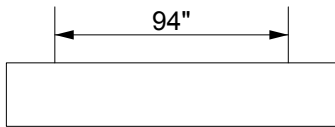
**15A**



**NOTE:** If latch does not bring sections together adjust latch hook by turning hook

**13B**

(For Hyperloop Only)

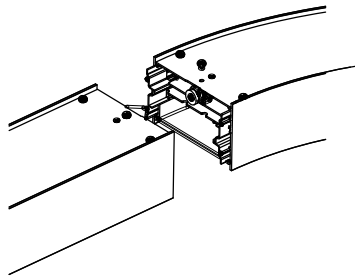


Ensure a max of 94" between wires is maintained

**NOTE:** Wires should be no more than 20" from the end of the luminaire & no more than 20" from a join

**14B**

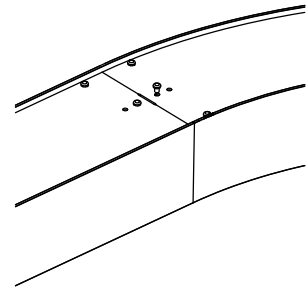
(For Hyperloop Only)



Connect electrical harnesses protruding from each body section. Align roll pins, then allow magnets to draw body sections together

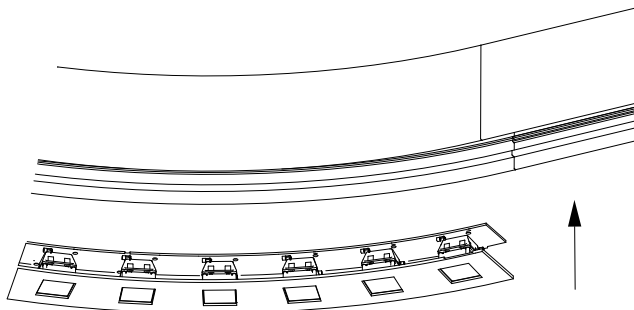
**15B**

(For Hyperloop Only)



On the top surface of the luminaire, install provided fastener in to the protruding lock plate at each join to mechanically couple sections

**16**



Connect electrical harnesses and Reassemble the lens cover assembly

**NOTE:** Take care to replace lens cover to original location

## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM ROD SUSPENSION

Risk of electric shock - do not open except as instructed.

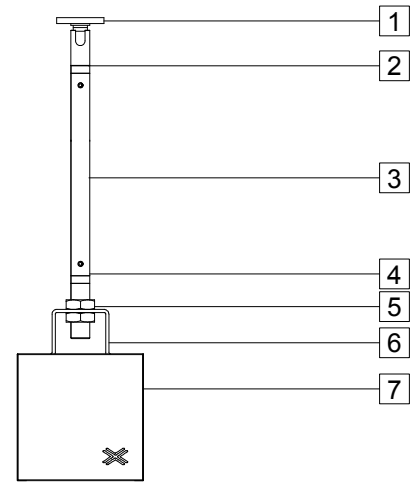
Installation and maintenance must be performed by a licensed electrician. Disconnect mains supply before installation, maintenance or lens replacement.

This luminaire must be earthed. Verify the mounting structure can support the luminaire weight before installation.

Do not modify or alter the luminaire in any way.

Use only manufacturer supplied components and accessories.

1. Ceiling Mount
2. Tube Top
3. Tube
4. Tube Bottom Connector
5. Lock Nuts
6. Rod Bracket
7. Luminaire



**1**

Note: either 79" or 157" rod supplied

Suspension rods come assembled from the factory

**2**

### Determine Mounting Location

**3**

Determine required height to the top of the luminaire

**4** *OPTIONAL*  
use these steps if rods need to be reduced in length on site

Cut tube

Height to top of luminaire (less 3.74")

**5** *OPTIONAL*  
use these steps if rods need to be reduced in length on site

At the lower end of the tube, drill a 1/8" hole through it's diameter, 0.30" from the end

*If there are many rods that need to be height adjusted Xero have an optional drilling jig available to make drilling the holes easier - please contact your nearest Xero office for details*

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

**6**

Assemble bottom rod components (Push the pin into the bottom connector hole)

**NOTE:** Leave off the rod bracket and lower lock nut

**7**

Fix the rod assemblies at locations shown on the shop drawing. For all sections this must be accurate as these are not adjustable

**8**

Slide cover to one side. Engage removal tool with rebate under cover and pull to remove cover.

Remove Lens Cover Assembly and disconnect electrical Connectors

Note position of the Lens Cover Assembly relative to body section

**9**

10mm

Rebate Location

Section Join

**10 (For Straight Sections Only)**

Remove End Plate

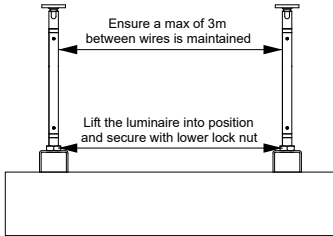
**11 (For Straight Sections Only)**

Slide suspension saddles along the fitting to align with the rod assemblies and replace outer end cap

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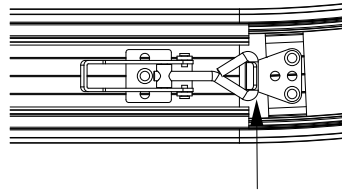
## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

**12A**



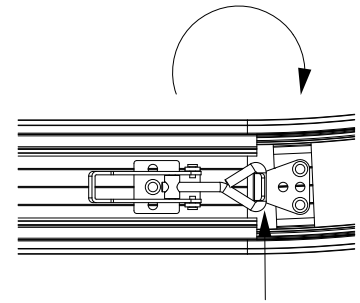
Ensure the luminaire is level by adjusting the lock nuts at each suspension location

**13A**



If more than one piece do up the latch and connect electrical harnesses protruding from each body section.

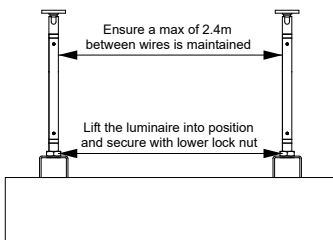
**14A**



**NOTE:** If latch does not bring sections together adjust latch hook by turning hook

**12B**

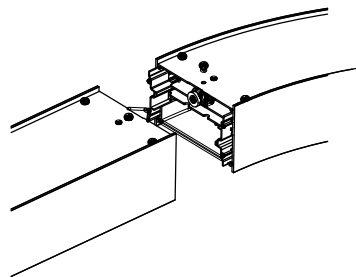
(For Hyperloop Only)



Ensure the luminaire is level by adjusting the lock nuts at each suspension location

**13B**

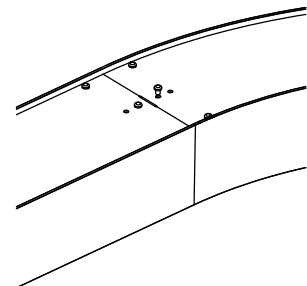
(For Hyperloop Only)



Connect electrical harnesses protruding from each body section. Align roll pins, then allow magnets to draw body sections together

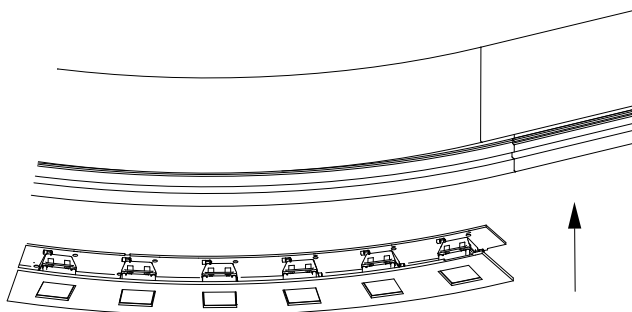
**14B**

(For Hyperloop Only)



On the top surface of the luminaire, install provided fastener in to the protruding lock plate at each join to mechanically couple sections

**15**



Connect electrical harnesses and Reassemble the lens cover assembly

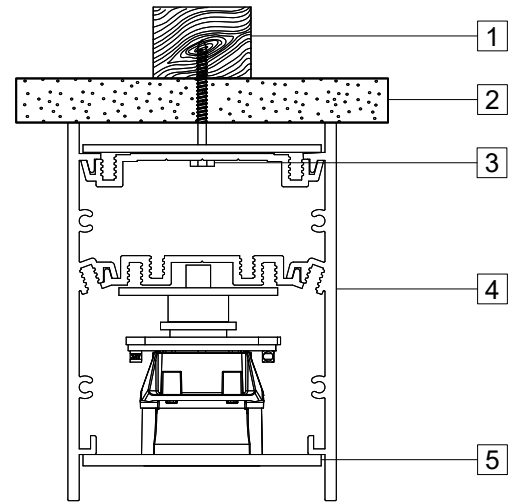
**NOTE:** Take care to replace lens cover to original location

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM SURFACE MOUNTING

Risk of electric shock - do not open except as instructed.  
 Installation and maintenance must be performed by a licensed electrician.  
 Disconnect mains supply before installation, maintenance or lens replacement.  
 This luminaire must be earthed.  
 Verify the mounting structure can support the luminaire weight before installation.  
 Do not modify or alter the luminaire in any way.  
 Use only manufacturer supplied components and accessories.

1. Beam or Support
2. Ceiling
3. Fastener
4. Luminaire
5. Lens Cover Assembly



1

Multi-Beam Fitting

Removal Tool

Shop Drawing

2

Determine  
Mounting  
Location

3

(For Straight Sections Only)

Remove  
End Plate

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

**4**

Slide cover to one side. Engage removal tool with rebate under cover and pull to remove cover.

Remove Lens Cover Assembly and disconnect electrical Connectors

Note position of the Lens Cover Assembly relative to body section

**5**

0.39"

Rebate Location

Section Join

**6A**

Drill holes at 118" maximum centres

\*Strap Section

Drill through the top section of the luminaire to accommodate selected fixing screws.

**\*Please note:** For all curved parts only drill through the strap sections

**6B** (For Hyperloop Only)

Ensure the surface mounting plate is installed on the luminaire at the designated mounting points

**7**

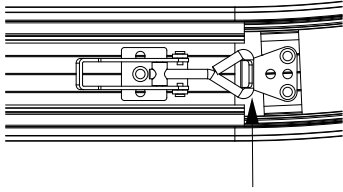
**CAUTION:** Make sure that the profile is not distorted by overtightening the fastener

Fix screw or selected fastener into support structure

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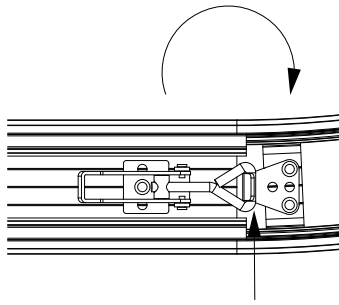
## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

8A



If more than one piece do up the latch and connect electrical harnesses protruding from each body section.

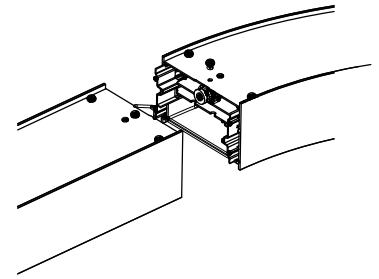
9A



**NOTE:** If latch does not bring sections together adjust latch hook by turning hook

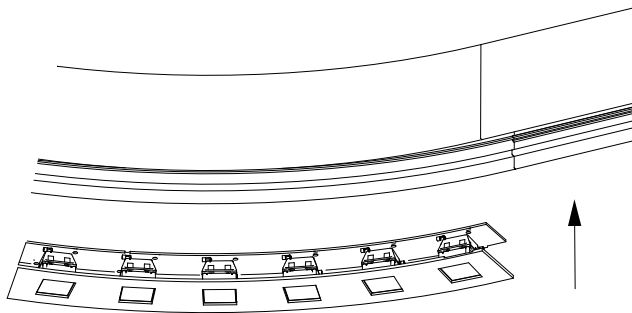
8B

(For Hyperloop Only)



Connect electrical harnesses protruding from each body section. Align roll pins, then allow magnets to draw body sections together

10



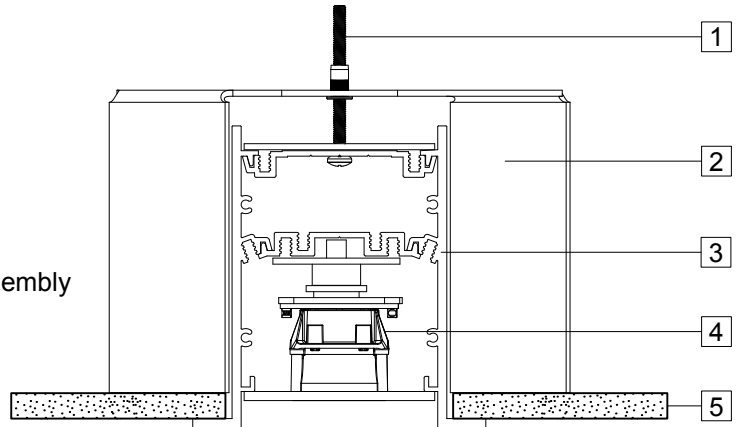
Connect electrical harnesses and Reassemble the lens cover assembly

**NOTE:** Take care to replace lens cover to original location

## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM RECESSED MOUNTING

Risk of electric shock - do not open except as instructed.  
 Installation and maintenance must be performed by a licensed electrician. Disconnect mains supply before installation, maintenance or lens replacement.  
 This luminaire must be earthed. Verify the mounting structure can support the luminaire weight before installation.  
 Do not modify or alter the luminaire in any way.  
 Use only manufacturer supplied components and accessories.

1. Screw
2. Recessed Clip
3. Luminaire
4. Lens Cover Assembly
5. Ceiling



1

Removal Tool

Shop Drawing

Recessed Clip and Luminaire

**Note:** Ensure ceiling construction can support luminaire weight

2

### Determine Mounting Location

3

Fix templates provided to ceiling and trace cut-out shape

**Note:** Template parts have interlocking ends

4

Ceiling opening width =  $W + 0.27''$

Ensure ceiling cut out is the correct length and width

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

**5**

Slide cover to one side. Engage removal tool with rebate under cover and pull to remove cover.

Remove Lens Cover Assembly and disconnect electrical Connectors

Note position of the Lens Cover Assembly relative to body section

**6**

0.39"

Rebate Location

Section Join

**7**

Top View

Rotate Recessed Clips so that they sit flush against the body

**8**

Insert Luminaire in to ceiling, tighten the screw until the luminaire is held flush with the ceiling

**9A**

If more than one piece do up the latch and connect electrical harnesses protruding from each body section.

**10A**

**NOTE:** If latch does not bring sections together adjust latch hook by turning hook

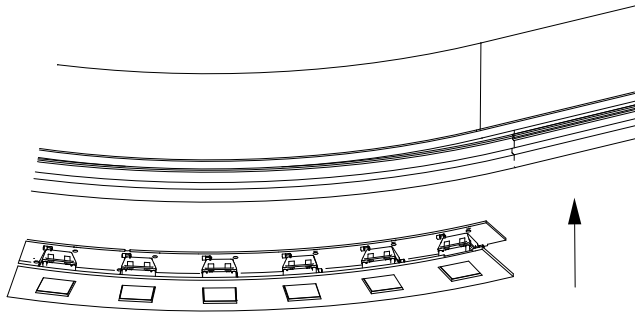
**9B** (For Hyperloop Only)

Connect electrical harnesses protruding from each body section. Align roll pins, then allow magnets to draw body sections together

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## MULTI-BEAM OPTIC DOWNLIGHT SYSTEM

11



Connect electrical harnesses and  
Reassemble the lens cover assembly

**NOTE:** Take care to replace lens cover to original location

### WARNING

1. Ensure luminaire is kept horizontal whilst being lifted into ceiling.
2. If there is more than one section of luminaire insert each piece into ceiling separately and connect.

**NOTE:** When installing the last section in a multiple section luminaire there is no joining pins or latch across