

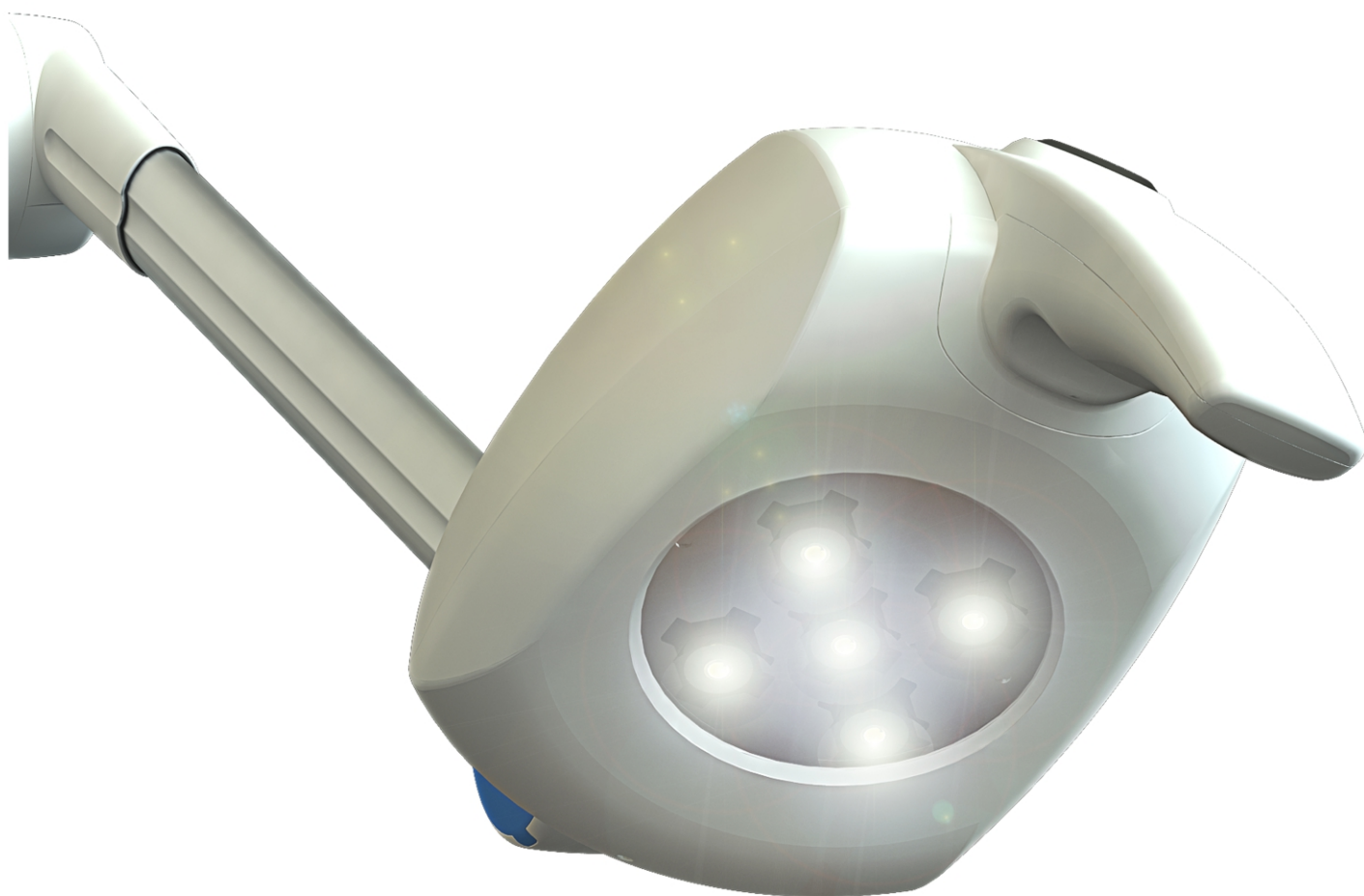
# HUGO LED Medical Examination Light



ADVANCING HEALTHCARE TECHNOLOGY

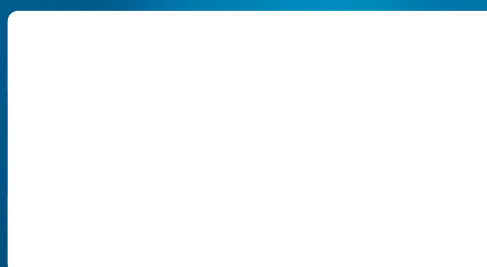
HUGO LED-U | HUGO LED-W | HUGO LED-P | HUGO LED-R | HUGO LED-D | HUGO LED-C | HUGO LED-M

## Installation Instructions / Instructions for Use



### Product configurations:

HUGO LED-U	Unit Mounted
HUGO LED-W	Wall Mounted
HUGO LED-P	Pole Mounted
HUGO LED-R	Rail Mounted
HUGO LED-D	Desk Clamp Mounted
HUGO LED-C	Ceiling Mounted
HUGO LED-M	Mobile Stand



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## 2 SYMBOLS

The warning symbol is used for all instructions pertaining to safety. If warnings are ignored, users may be injured or the light or surroundings may be damaged. The warning symbol is used with the following signal words as follows:



### CAUTION

Failure to comply with this warning could result in serious or fatal injury.



### CONSULT INSTRUCTIONS FOR USE!

Failure to comply with this notification could result in injury or damage to product.



### European Conformity



### Temperature Limitation



### Disposal. Not for general waste.



### Manufacturer



### Authorised Representative in the European Community



### Type B Applied Part



### Electrical Class I



### Electrical Class II



### Batch code



### Catalogue number

## 3 SAFETY INSTRUCTIONS

### INTENDED USE

The **HUGO LED** Medical Examination Light is designed to provide illumination of the body of a patient for localized diagnosis and treatment. The light is not designed for use during surgery. It is designed for continuous operation and it must be possible to stop the treatment or diagnosis without danger to the patient if the light fails during use. The device is intended to be used by doctors, medical practitioners and nursing staff.

### AREAS OF USE

- Normal Care to High Care Wards
- Medical Consultation Rooms
- Intensive Care Units
- Trauma Units
- Nursing Homes
- Clinics

### SAFETY INSTRUCTIONS

The instructions are part of the product and must be kept so they are accessible for all subsequent users.

All applicable occupational health and safety regulations and the requirements specified by the national regulators for hygiene and disinfection must be observed to reduce the risk of disease transmission as much as possible.

The installation must only be carried out by a qualified electrician.

Repairs to the cable or lens must only be carried out by a qualified electrician, all other repairs must be carried out by the manufacturer's Service Department or returned to the manufacturer for product replacement (Please refer to Warranty Terms and Conditions).

The light must not be modified or manipulated. Use in any manner other than with the original parts may result in different specifications and life threatening dangers.

Danger of death from electric shock. Do not use a damaged light. Defective cables can be a potential hazard. Do not position cables near heat sources or sharp edges. Do not plug in to the mains supply if there are damages to the cable, plug top or any other electrical part.

The mains voltage and frequency must match the data on the product label.

The light must not be used in an explosive environment. The power supply to the light is a potential ignition source.

Keep all flammable equipment and objects away from the light head during use.

Do not modify any conductive parts.



### 3. SAFETY INSTRUCTIONS



Danger of injury! Never look directly at the light cone.

The light must only be used in dry rooms.

The light must not be left unattended.

Do not place any materials (such as cloths, rags etc.) on top of the light head.

Never apply additional loads to the light head and friction brake arms.

#### SPECIFIC SAFETY INSTRUCTIONS



**HUGO LED-U, HUGO LED-W, HUGO LED-P, HUGO LED-R, HUGO LED-D, HUGO LED-C, HUGO LED-M**

The light must only be mounted according to Installation Instructions noted in this document in order that the type of fixture can be guaranteed to be secure.



#### CAUTION

**HUGO LED-U, HUGO LED-W, HUGO LED-P, HUGO LED-R, HUGO LED-D, HUGO LED-C, HUGO LED-M**

Do not remove knuckle cover caps. Any party who removes the cover caps (Figure 1.) other than the manufacturer's representative or Service Department personnel will void the warranty.

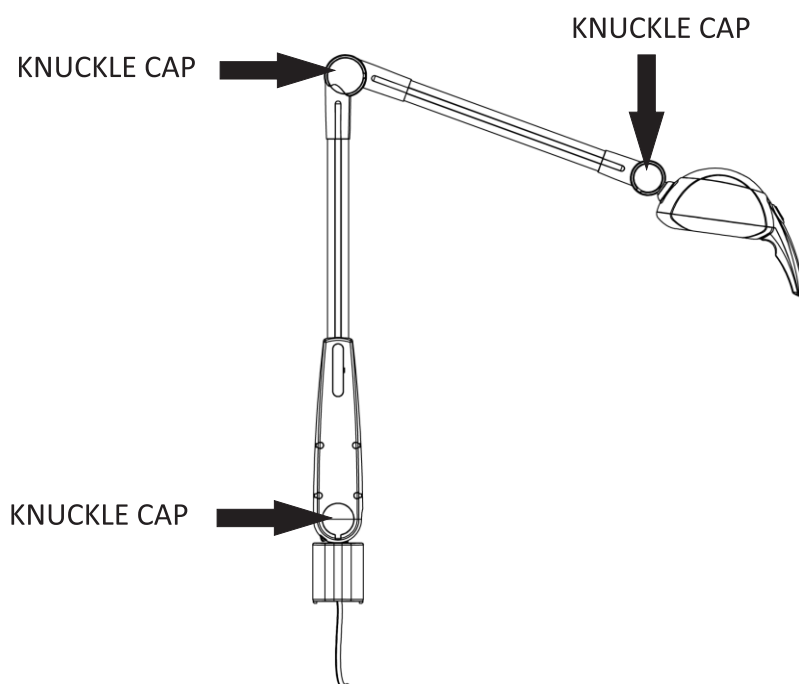


Figure 1.

## 4 INSTALLATIONS

### PARTS

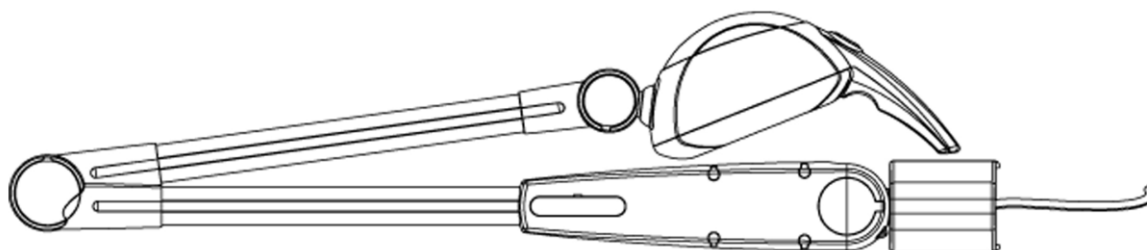
#### 4.1

#### HUGO LED-U

#### Unit Mounted



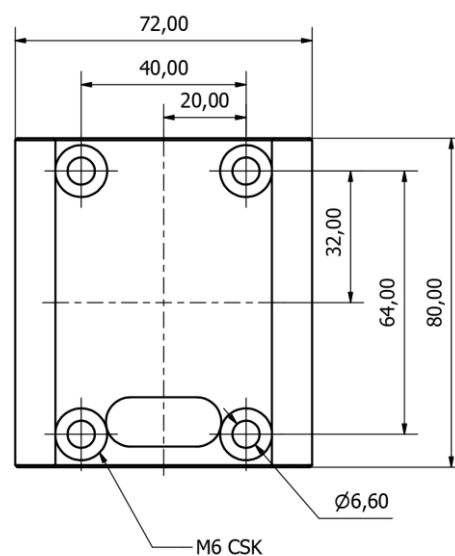
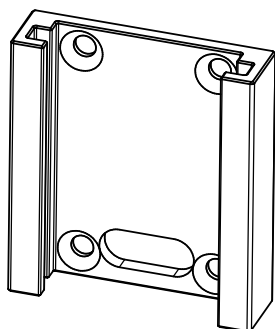
Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.



**1**

PRE-ASSEMBLED LIGHT

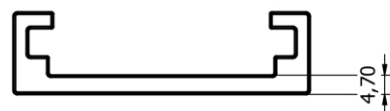
QTY: x1



**2**

- UNIT BRACKET

QTY: x1



- Drawing not to scale.
- All dimensions in millimeters.
- Contact the Manufacturer for further information.

## 4 INSTALLATIONS

### INSTALLING

#### 4.1

#### HUGO LED-U

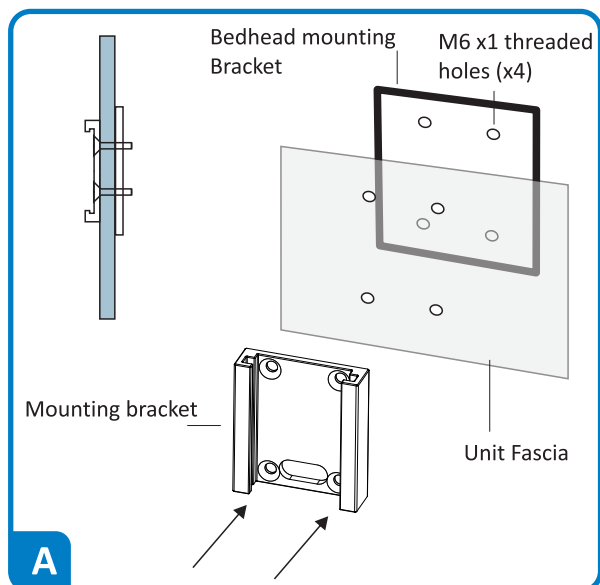
#### Unit Mounted



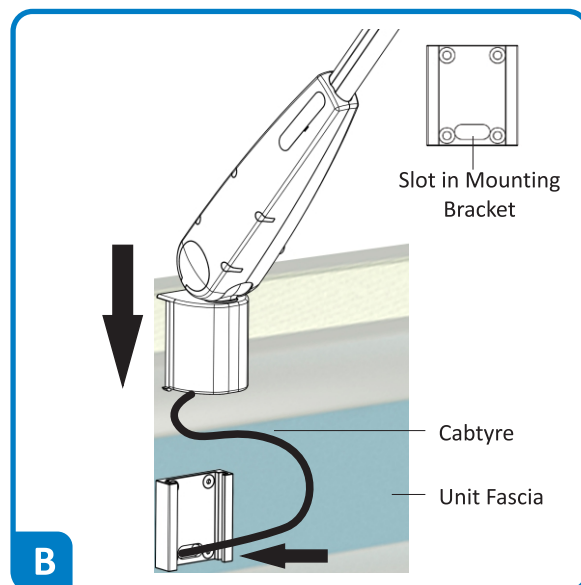
Do not connect light power cable to mains socket until wall bracket is securely mounted and light fitted correctly.



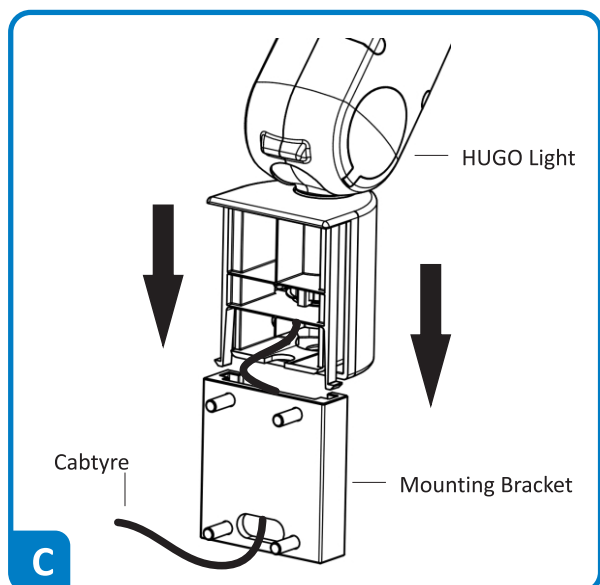
Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



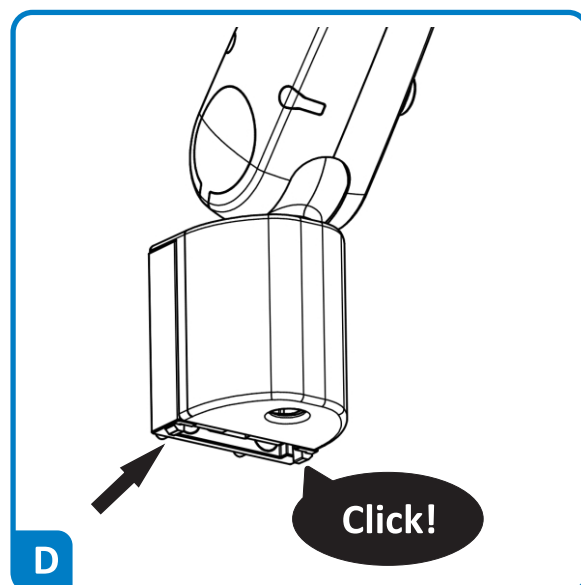
Fit the Mounting Bracket to the Bedhead unit with M6 countersunk screws (x4). The Bedhead mounting bracket is customer specific and is **not supplied**. (see dimensioned drawing).



Feed cabtyre through slot in mounting bracket.



Feed cable through slot in mounting bracket while fitting base housing onto bracket.



Press down until clips engage at bottom of mounting bracket. Connect mains input cable to mains power (INPUT 220-240V). Mains connection to be fitted and tested by a QUALIFIED ELECTRICIAN.

## 4 INSTALLATIONS

### PARTS

#### 4.2

#### HUGO LED-W

Wall Mounted

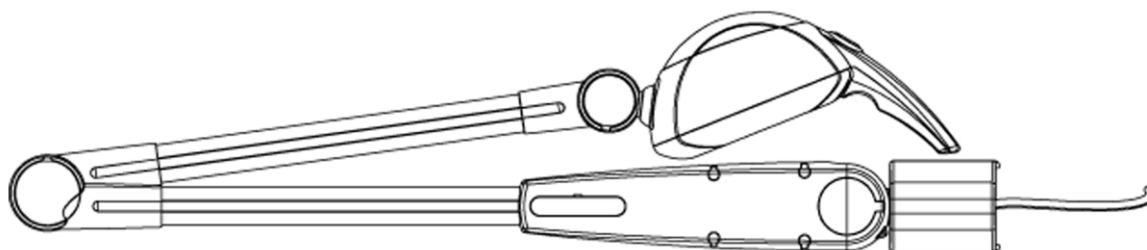


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.



### CAUTION

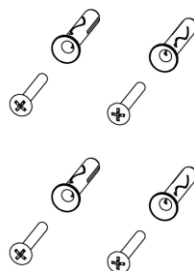
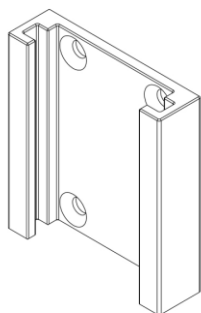
If mounting unit onto **DRYWALL** contact manufacturer for advice and instructions.



1

PRE-ASSEMBLED LIGHT

QTY: x1



2

- WALL BRACKET (\*see CAUTION for drywall note)  
QTY: x1
- 6mm x 60mm KNOCK-IN ANCHORS (Suitable for concrete and brick walls).  
QTY: x4

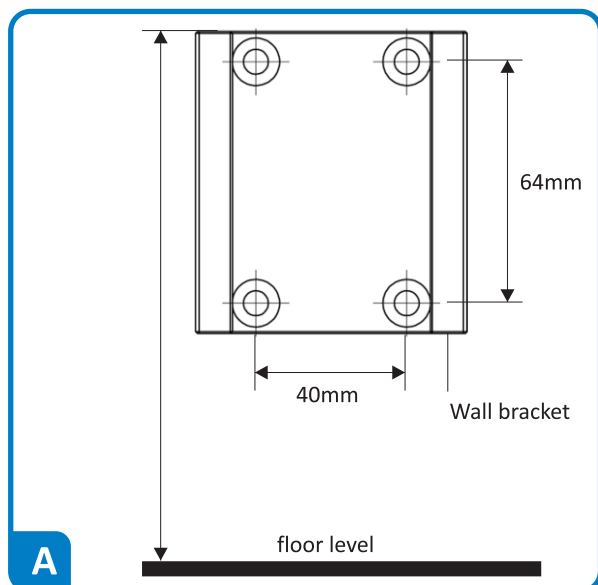
## 4 INSTALLATIONS

### INSTALLING

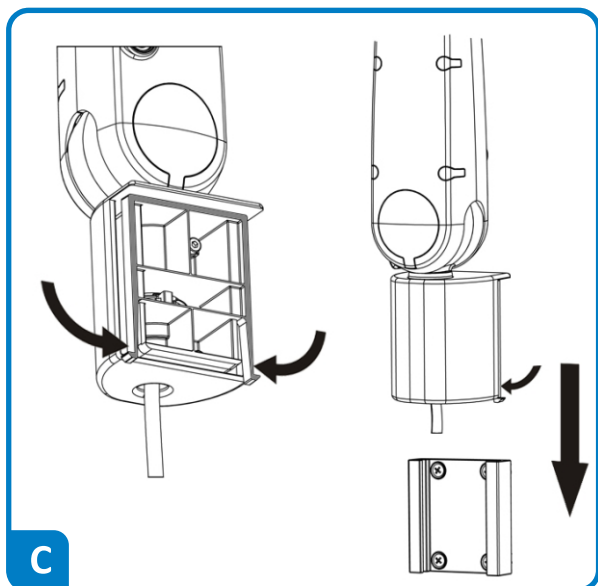
#### 4.2

#### HUGO LED-W

#### Wall Mounted



Using the wall bracket as a template, measure from the floor level to the specified height and mark. Mark the hole centres and drill to a depth of 70mm with a  $\varnothing 6$ mm drill bit. Use a spirit level to ensure level position.



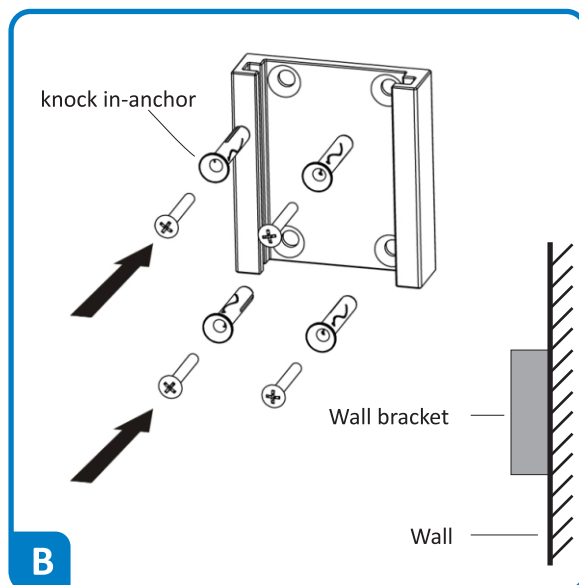
Press the two clips at the bottom of the plastic mounting attachment (assembled to the base of the light) and feed down into the wall bracket.



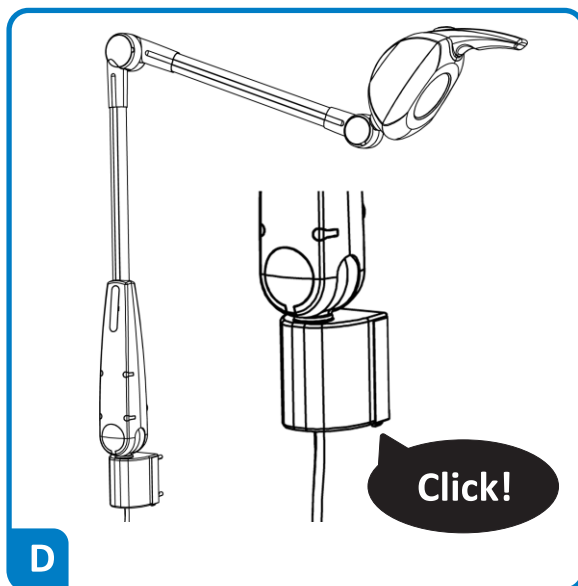
Do not connect light power cable to mains socket until wall bracket is securely mounted and light fitted correctly.



Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



Use the 6mm knock-in anchors provided to secure the wall bracket to the wall. Ensure that the fixing is secure, **NO** movement in the bracket and **NO** gap between the wall and bracket.



Slide the plastic mounting attachment down into the wall bracket. Once the mounting attachment has reached the bottom of the wall bracket, the clips will engage and secure the light from being pulled out. To remove the light follow instruction 'C' and pull upwards.

## 4 INSTALLATIONS

### PARTS

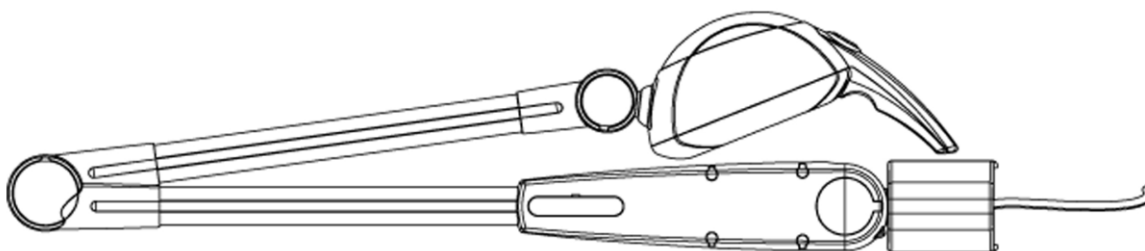
#### 4.3

#### HUGO LED-P

#### Pole Mounted

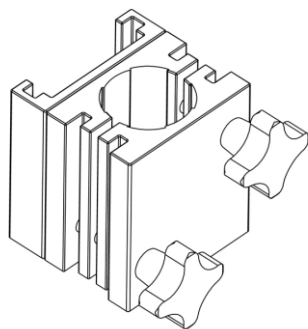


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**

PRE-ASSEMBLED LIGHT

QTY: x1

**2**

- POLE CLAMP (PRE-ASSEMBLED)

QTY: x1

## 4 INSTALLATIONS

### INSTALLING

#### 4.3

#### HUGO LED-P

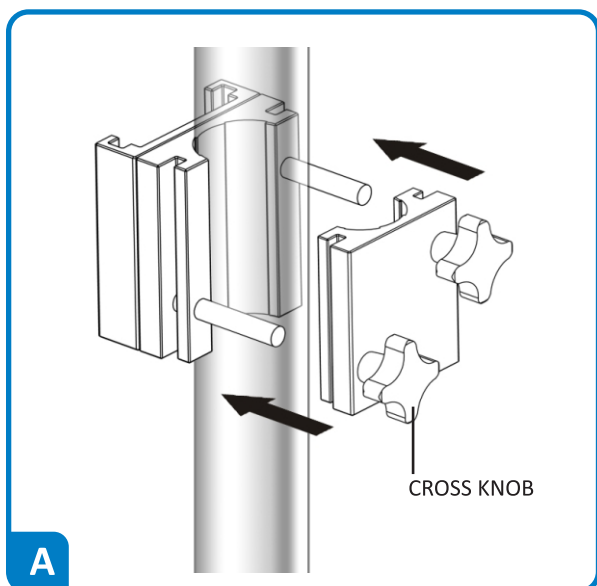
#### Pole Mounted



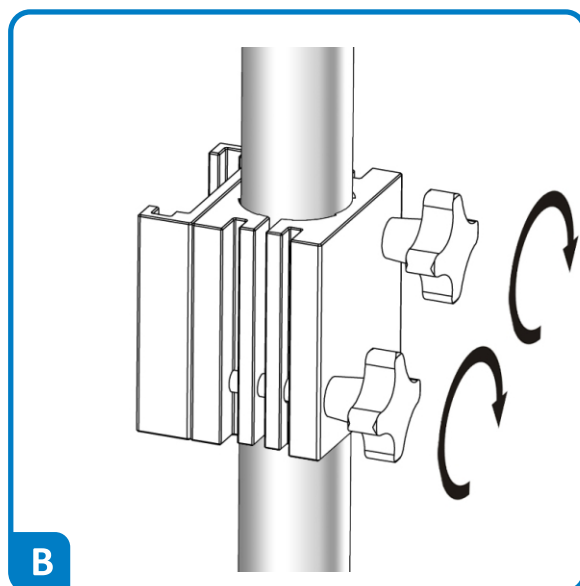
Do not connect light power cable to mains socket until pole clamp is securely mounted and light fitted correctly.



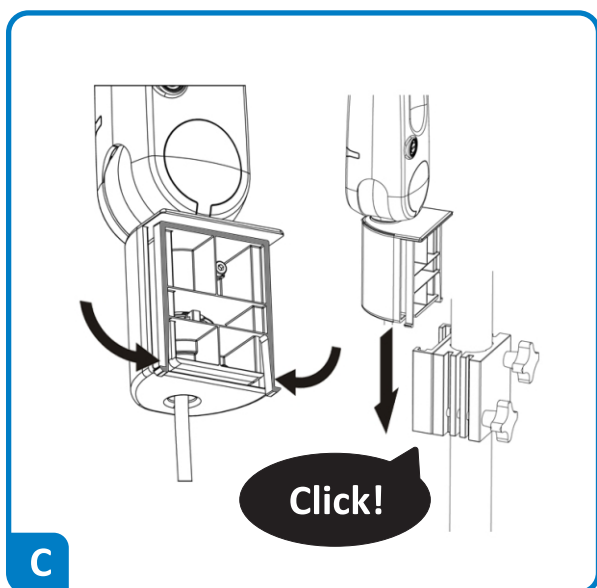
Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



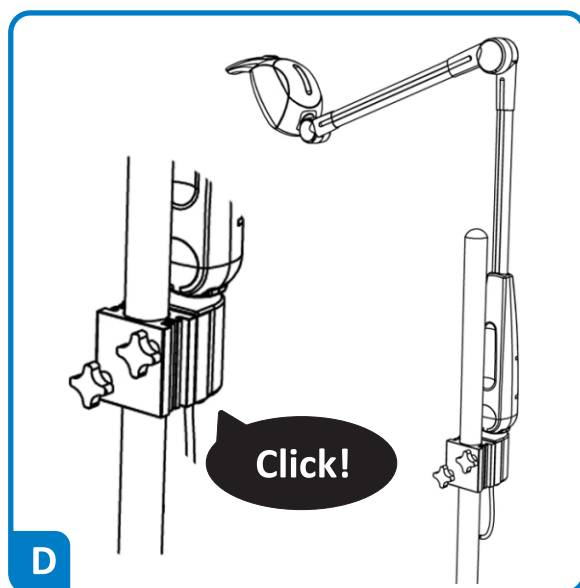
Separate the pole clamp halves by loosening the cross knobs. Fit the two loose pole clamp parts around the  $\varnothing 38\text{mm}$  stainless steel pole.



Secure both sides of the pole clamp around the pole by tightening the cross knobs. Move the clamp into the desired position and tighten so that there is no longer movement.



Press the two clips at the bottom of the plastic mounting attachment (assembled to the base of the light) and feed down into the pole clamp.



Slide the plastic mounting attachment down into the pole clamp. Once the mounting attachment has reached the bottom of the wall bracket, the clips will engage and secure the light from being pulled out. To remove the light follow instruction 'C' and pull upwards.

## 4 INSTALLATIONS

### PARTS

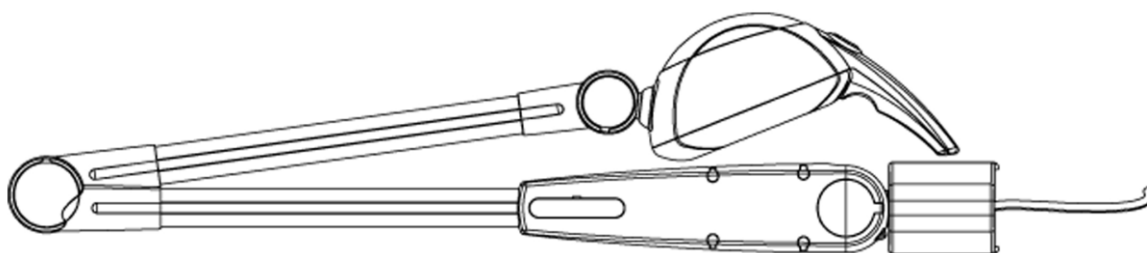
#### 4.4

#### HUGO LED-R

Rail Mounted

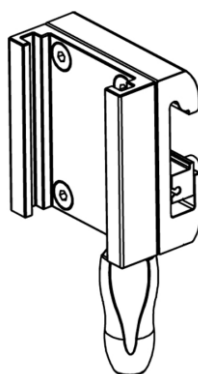


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**

PRE-ASSEMBLED LIGHT

QTY: x1

**2**

- MEDICAL RAIL CLAMP (**GABLER** and **EURO** shape)

QTY: x1



## 4 INSTALLATIONS

### INSTALLING

#### 4.4

#### HUGO LED-R

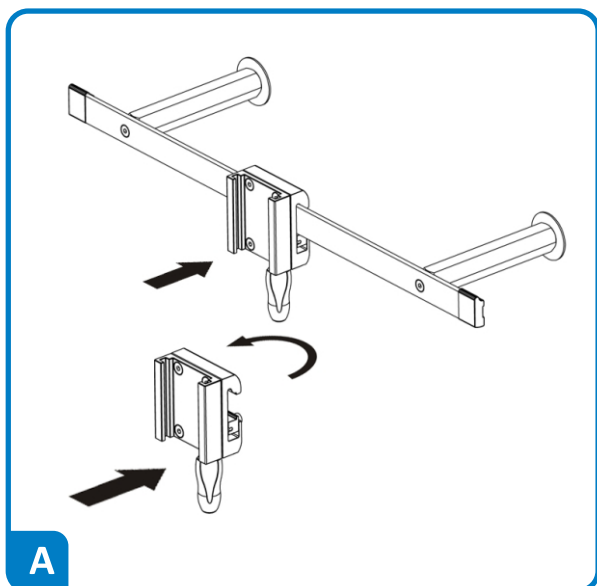
#### Rail Mounted



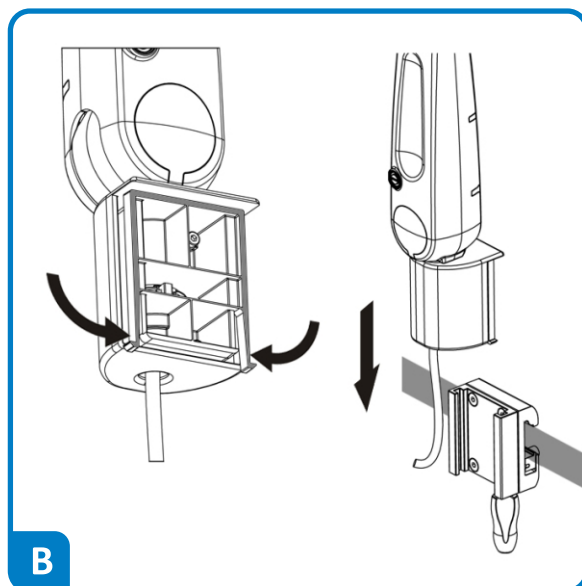
Do not connect light power cable to mains socket until medical rail clamp is securely mounted and light fitted correctly.



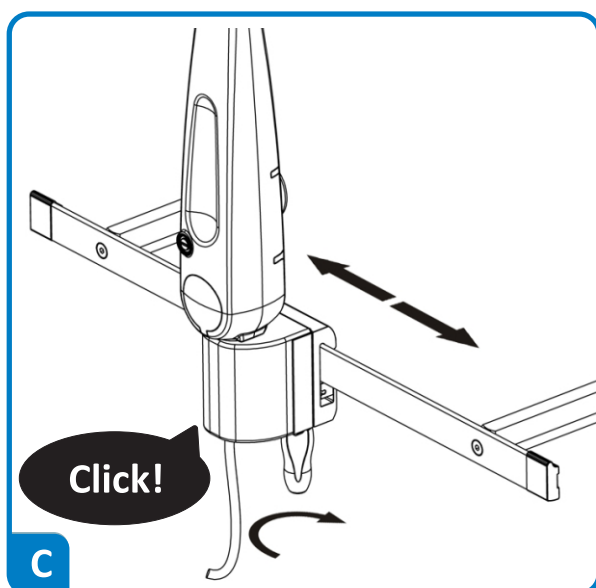
Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



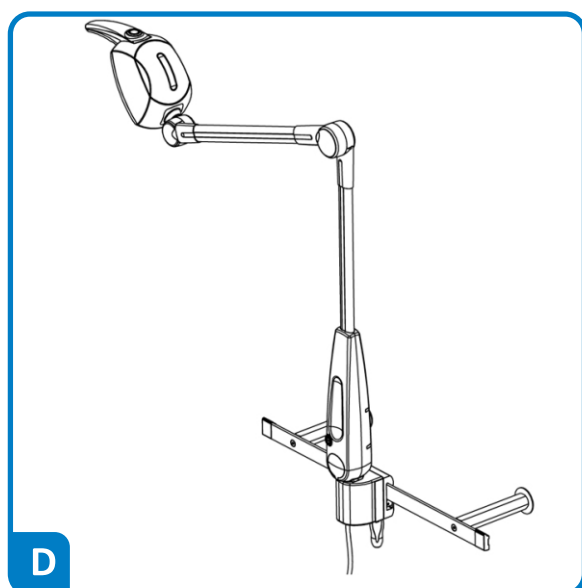
Place medical rail clamp onto medical rail. Move clamp to desired position and secure by turning the clamp handle counterclockwise to tighten the clamp.



Press the two clips at the bottom of the plastic mounting attachment (assembled to the base of the light) and feed into the bracket mounted onto the medical rail clamp.



Once the mounting attachment has reached the bottom of the rail clamp, the clips will engage and secure the light from being pulled out. To reposition the light, loosen the clamp by turning the clamp handle clockwise. Take hold of the clamp and light assembly and slide to desired position. Secure by turning the handle to tighten the clamp in new position.



To remove the light follow instruction B and pull upwards.

## 4 INSTALLATIONS

### PARTS

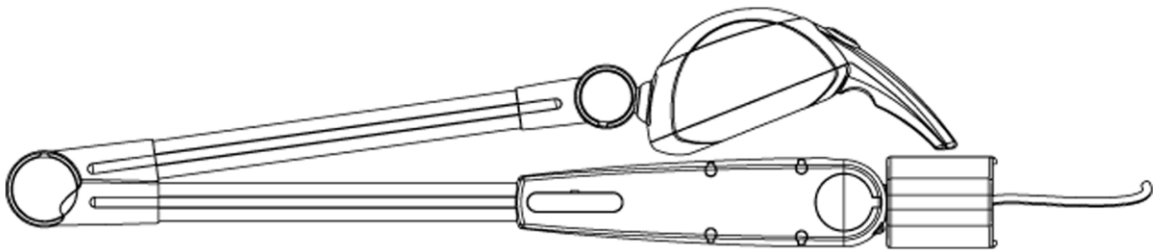
#### 4.5

#### HUGO LED-D

Desk Clamp Mounted

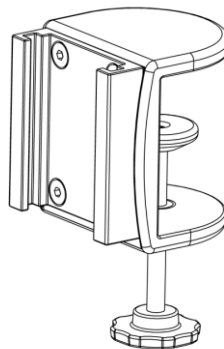


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**

PRE-ASSEMBLED LIGHT

QTY: x1

**2**

- DESK CLAMP

QTY: x1

## 4 INSTALLATIONS

### INSTALLING

#### 4.5

#### HUGO LED-D

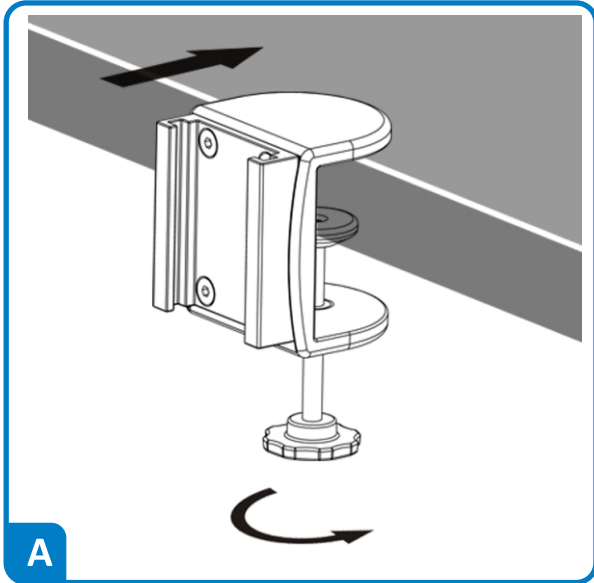
#### Desk Clamp Mounted



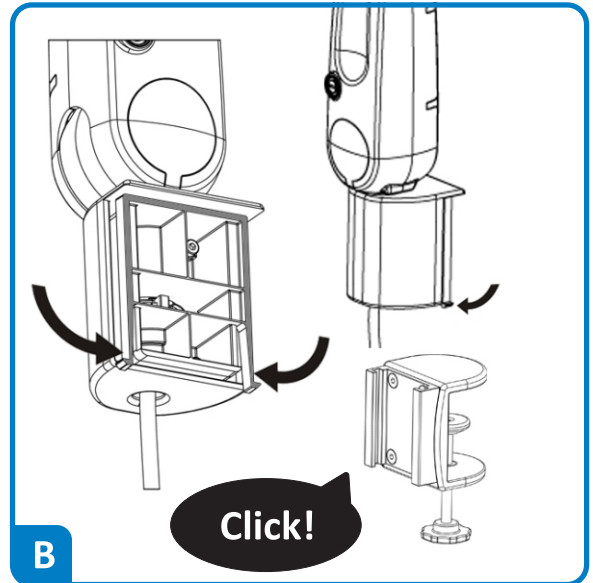
Do not connect light power cable to mains socket until desk clamp is securely mounted and light fitted correctly.



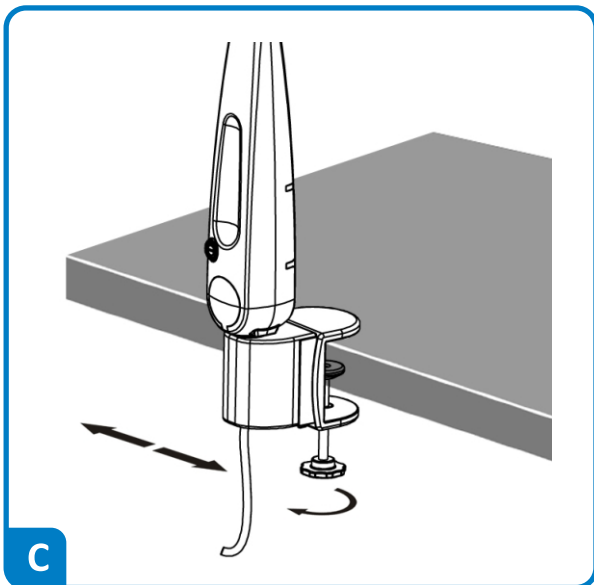
Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



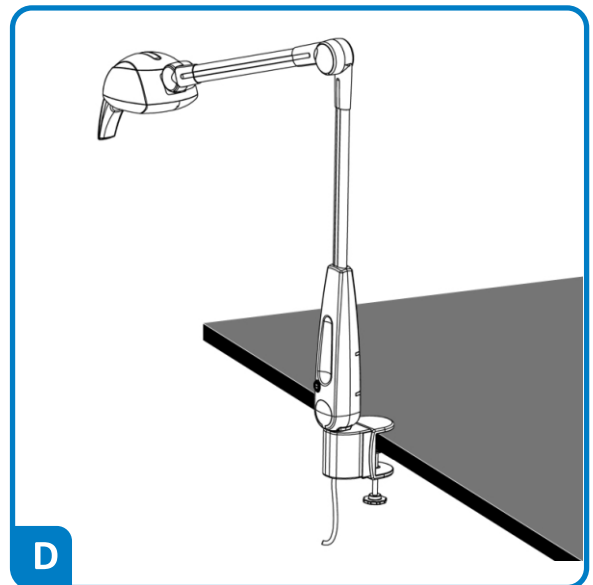
Fit the desk clamp to the table top surface (depth range 10mm to 62mm). Position the desk clamp in desired location and tighten clamp handle to secure.



Press the two clips at the bottom of the plastic mounting attachment (assembled to the base of the light) and feed down into the desk clamp bracket until it fits into position.



Once the mounting attachment has reached the bottom of the rail clamp, the clips will engage and secure the light from being pulled out. To reposition light, loosen the clamp by turning the handle counterclockwise. Move light to desired position and re-tighten the clamp.



Always ensure that the desk clamp is securely fastened to the table top before operating the light. To remove the light from the clamp, follow instruction 'B' and pull upwards.

## 4 INSTALLATIONS

### PARTS

#### 4.6.1

#### HUGO LED-C

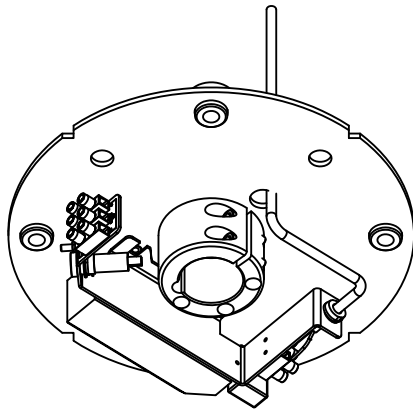
#### Direct Slab Mounted



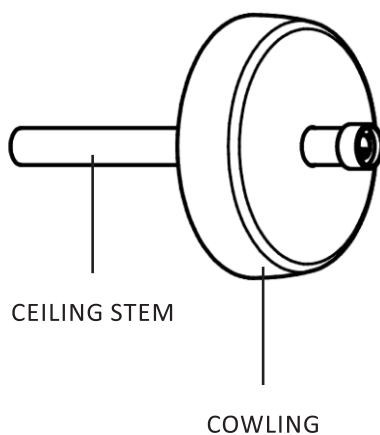
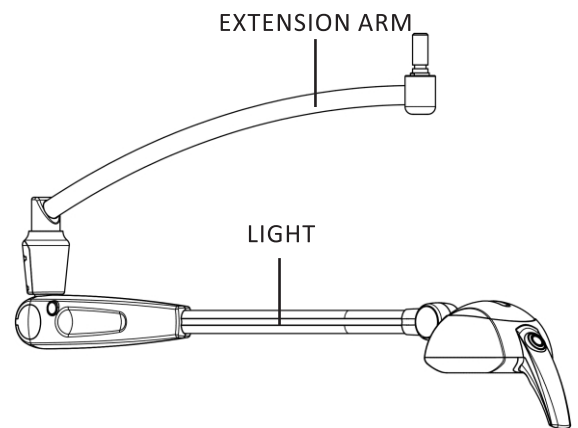
Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**
**FIRST FIX:**

First fix plate assembly:  
4 x M12 HSA stud anchors


**2**
**CEILING STEM:**

Ceiling stem assembly


**3**
**PRE-ASSEMBLED:** Extension arm & light

**TOOLS REQUIRED FOR ASSEMBLY:**

No. 19 SPANNER

Hammer action power drill

Masonry drill bit : Diameter 12mm – Cutting

Diameter 12.5mm

5mm & 6mm Allen keys

## 4 INSTALLATIONS

### INSTALLING

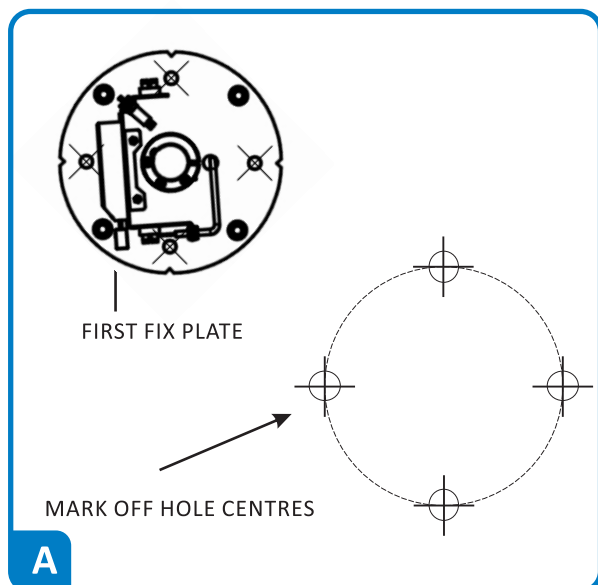
#### 4.6.1

#### HUGO LED-C

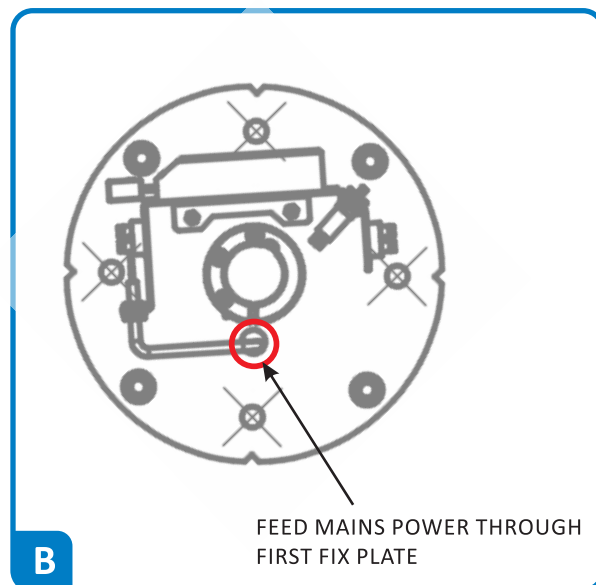
#### Direct Slab Mounted



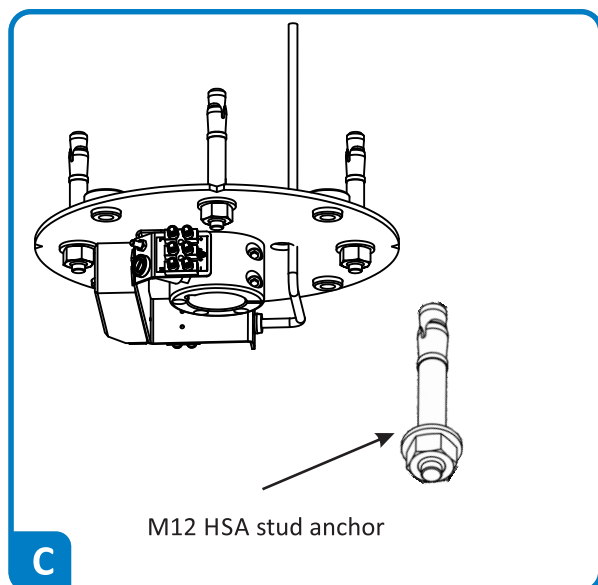
Do not connect mains power before the light assembly has been securely mounted to the slab.



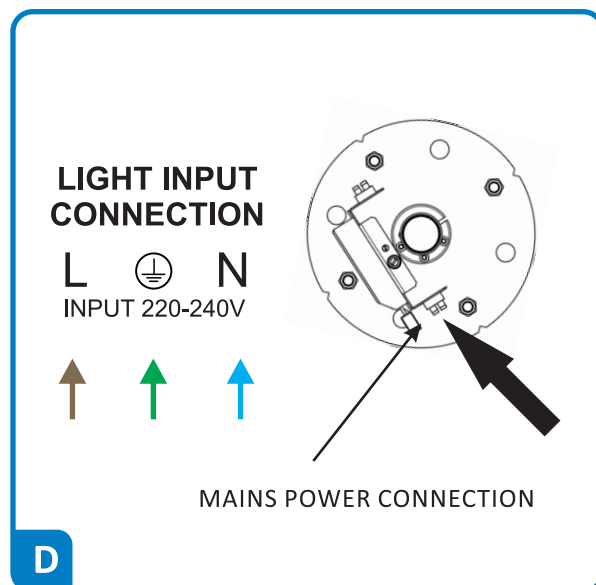
Use the first fix plate as drilling template. Mark hole centres and drill. Use Masonry drill. Diameter 12mm – Cutting Diameter 12.5mm. Drill depth: 80mm +/- 1mm



Feed mains power lead through the hole in first fix plate.



Use M12 HSA stud anchor supplied (x4). Knock into pre-drilled holes. Once fully inserted, tighten the nut on thread to engage the anchor.



Connect mains input cable to mains power (INPUT 220-240V). Mains connection to be fitted and tested by a QUALIFIED ELECTRICIAN.

## 4 INSTALLATIONS

### PARTS

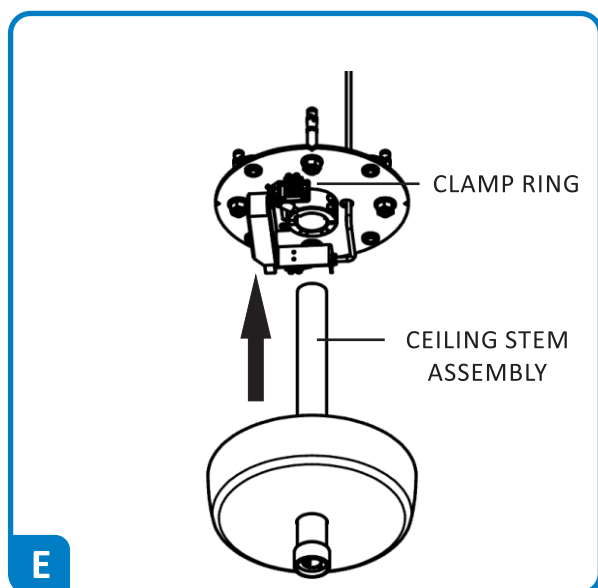
#### 4.6.1

#### HUGO LED-C

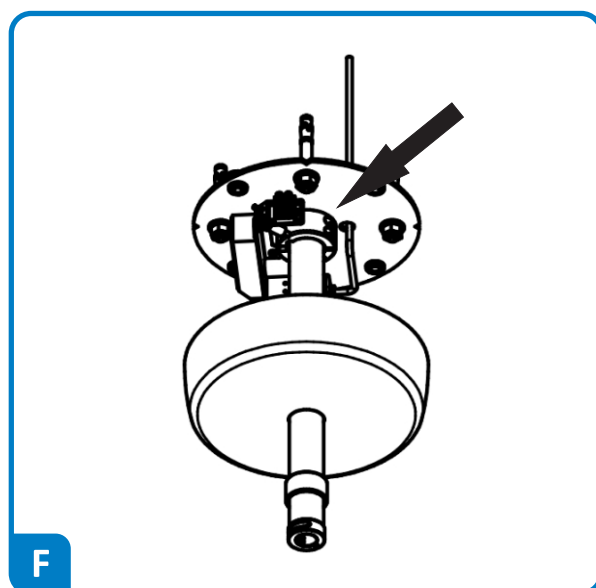
#### Direct Slab Mounted



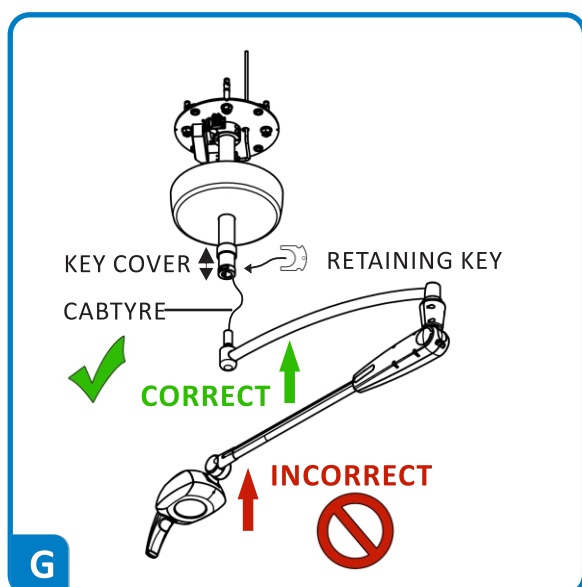
Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.



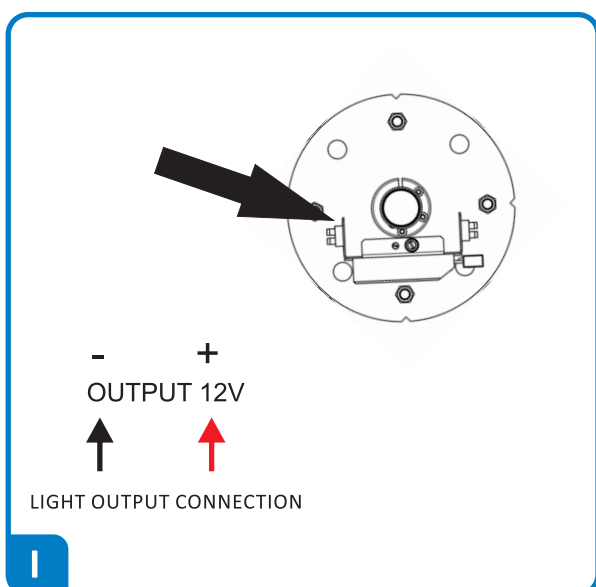
Take ceiling stem assembly and fit into the clamp ring mounted on the first fix plate.



Once the ceiling stem is fully inserted, secure in place by tightening the M6 cap screws (x2) in the clamp ring.



Hold onto the curved arm whilst inserting the cabtyre exiting from extension arm and feed up through drop tube. Insert extension arm into collar and secure with retaining key. Slide key cover down over slot.



Take the light input cable exiting from the top of the drop tube assembly and connect to the output connector block. Connector block label (OUTPUT 12V) indicates correct wire input.

\*Note the polarity of the wires (positive to positive / negative to negative) To be fitted and tested by a QUALIFIED ELECTRICIAN.

## 4 INSTALLATIONS

### INSTALLING

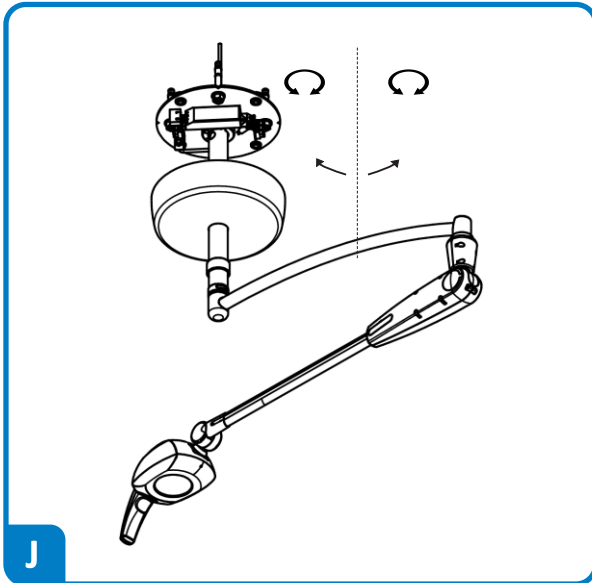
#### 4.6.1

#### HUGO LED-C

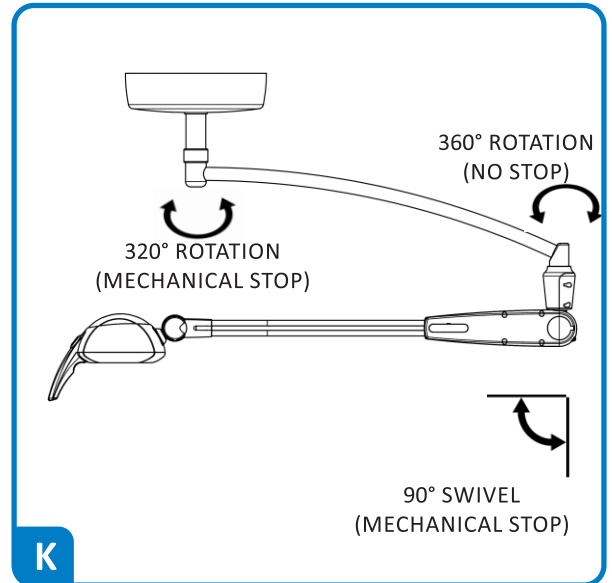
#### Direct Slab Mounted



Do not connect mains power before the light assembly has been securely mounted to the ceiling.



Check vertical level of ceiling stem. Adjust if required. Adjust level with M12 nuts on first fix plate. Use shim in between the first fix plate and slab. Move the cowling up against the ceiling panel and secure in place with the pre-fitted o-ring.



Once the installation is complete check the following;

Power to the Light (ON/OFF)

320° rotation at the drop tube (mechanical stop)

360° rotation at the extension arm (no stop)

90° swivel at the light base knuckle (mechanical stop)

## 4 INSTALLATIONS

### PARTS

#### 4.6.2

#### HUGO LED-C

#### Slab to Ceiling

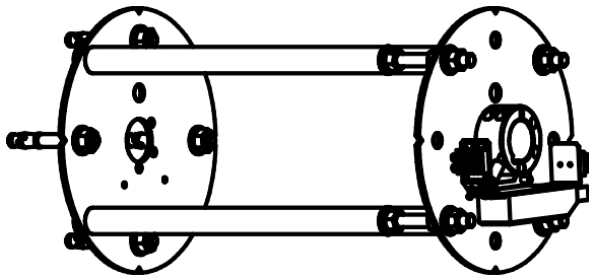


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**

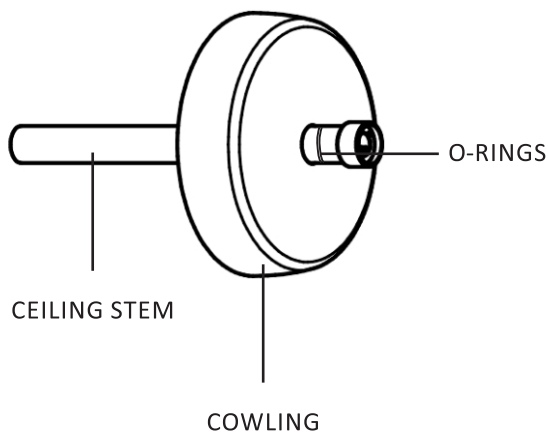
#### MOUNTING STRUCTURE ASSEMBLY PARTS:

- 4 x M12 HSA stud anchors
- 4 x M12 threaded rods
- 4 x Ø25 s/steel tubing
- 12 x M12 nuts
- 12 x T-washers
- 1 x Mounting plate
- 1 x First fix plate

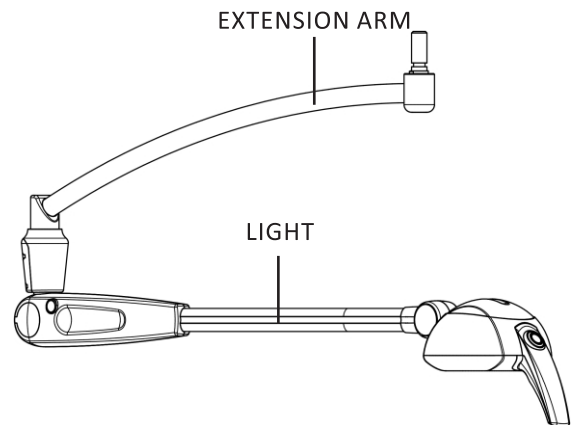

**2**

#### CEILING STEM:

Ceiling stem assembly


**3**

#### PRE-ASSEMBLED: Extension arm & light



#### TOOLS REQUIRED FOR ASSEMBLY:

- No. 19 SPANNER
- Hammer action power drill
- Masonry drill bit : Diameter 12mm – Cutting Diameter 12.5mm
- 5mm & 6mm Allen keys
- Holesaw - 70mm Diameter



## 4 INSTALLATIONS

### INSTALLING

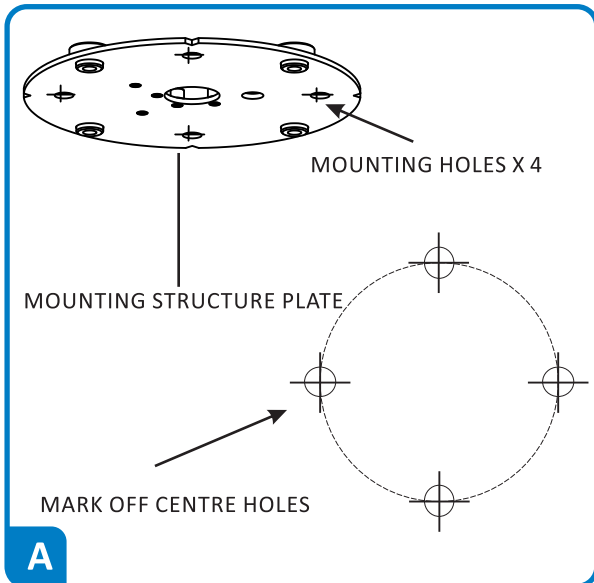
#### 4.6.2

#### HUGO LED-C

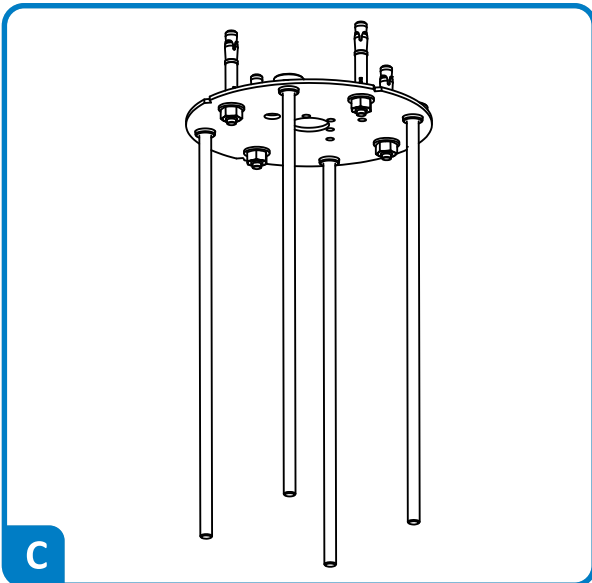
#### Slab to Ceiling



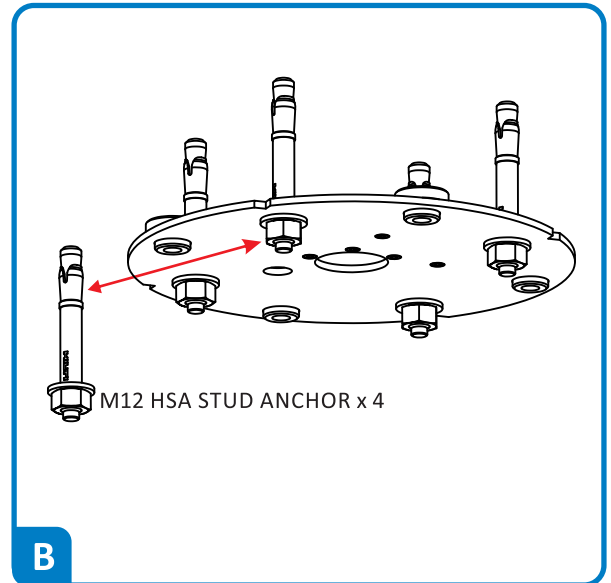
Do not connect mains power before the light assembly has been securely mounted to the slab.



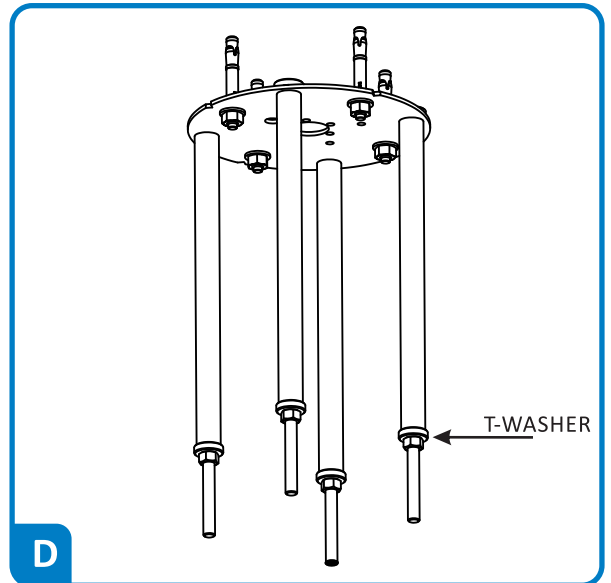
Use the mounting structure plate as drilling template. Mark off centres and drill. Use Masonry drill. Diameter 12mm – Cutting Diameter 12.5mm. Drill depth: 80mm +/- 1mm.



Turn the M12 threaded rods into each of the studs on the mounting plate until they bottom out against the ceiling.



Use M12 HSA stud anchor supplied (x4). Knock into pre-drilled holes. Once fully inserted, turn the nut on thread to engage the anchor.



Push a s/steel tube onto a threaded rod, followed by the t-washer and tighten with a M12 nut using a No. 19 spanner. Duplicate the exercise for the remaining rods.

## 4 INSTALLATIONS

### INSTALLING

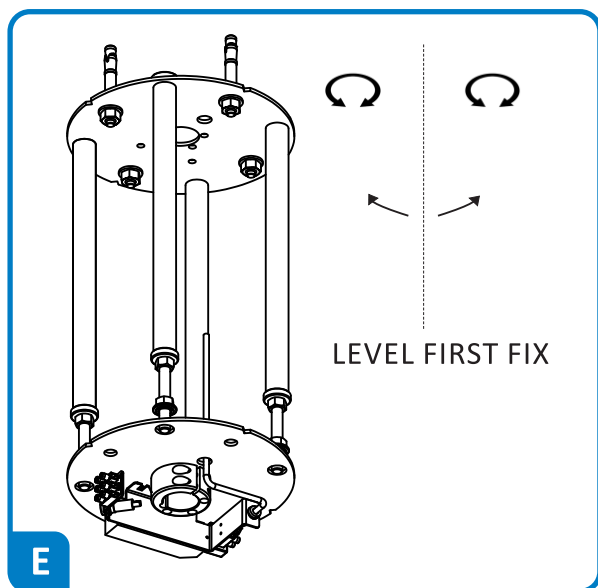
#### 4.6.2

#### HUGO LED-C

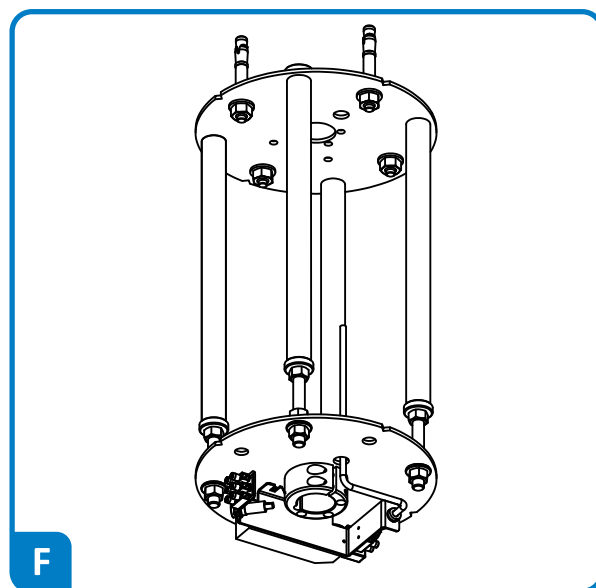
#### Slab to Ceiling



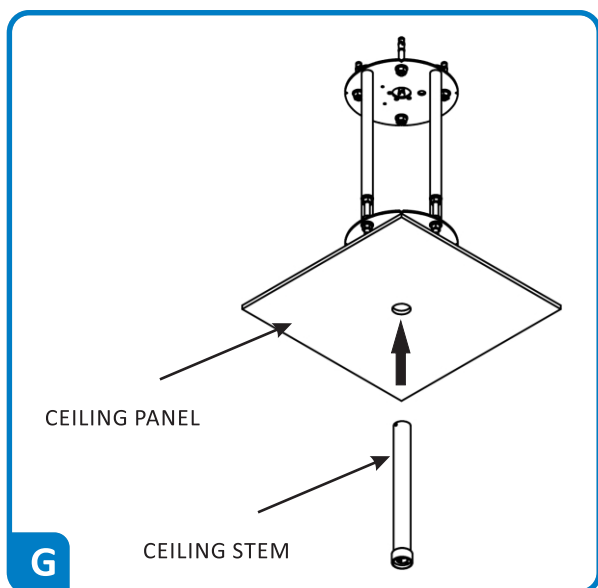
Do not connect mains power before the light assembly has been securely mounted to the slab.



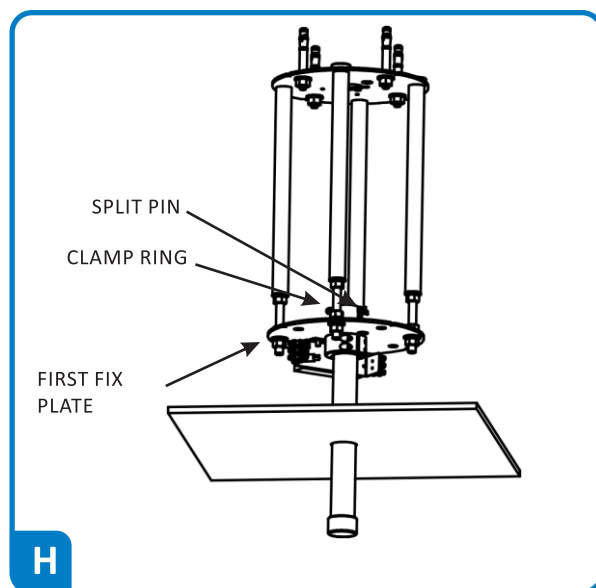
Add a M12 nut and t-washer onto each threaded rod, followed by the first fix plate.



Use another t-washer and M12 nut and tighten onto the first fix plate.



Use the ceiling stem as a guide to mark off the centre point in the ceiling panel. Remove panel and cut a 70mm diameter hole using a Holesaw .



Fit ceiling stem through the ceiling panel and through the clamp ring. Ceiling stem should protrude the second fix plate min 20mm. Tighten clamp by turning in the M6 Allen key screws (x2). Fit split pin into top of ceiling stem.

## 4 INSTALLATIONS

### PARTS

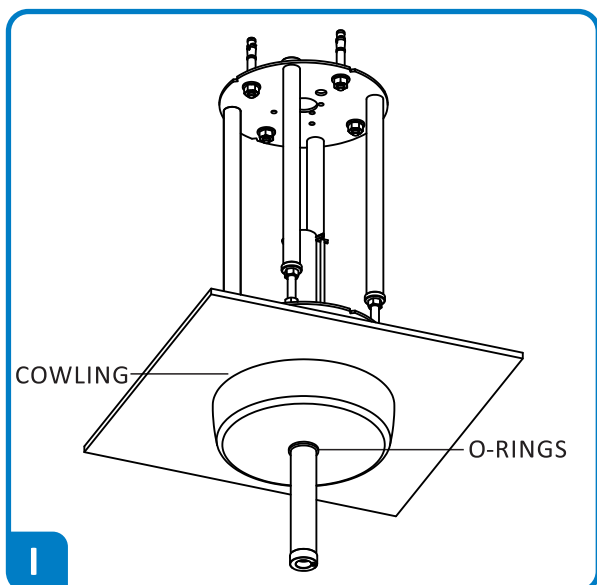
#### 4.6.2

#### HUGO LED-C

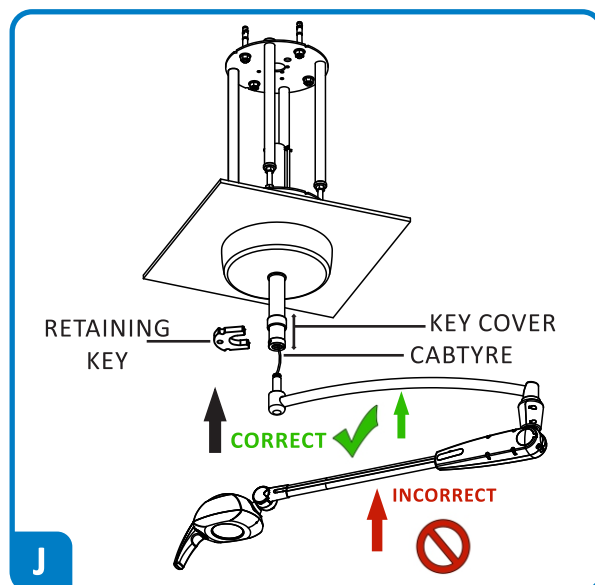
#### Slab to Ceiling



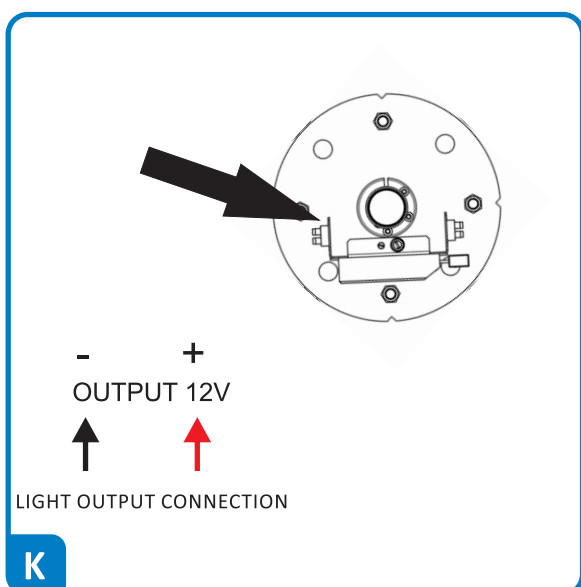
Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.



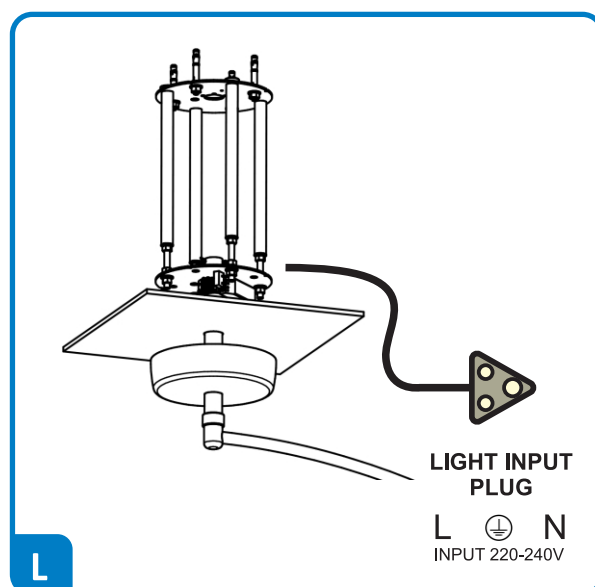
Move the cowling up against the ceiling panel and secure in place with the pre-fitted o-ring.



Hold onto the curved arm whilst inserting the cabtyre exiting from extension arm and feed up through drop tube. Insert extension arm into collar and secure with retaining key. Slide key cover down over slot.



Take the light input cable exiting from the top of the drop tube assembly and connect to the output connector block. Connector block label (OUTPUT 12V) indicates correct wire input.



Connect plug pre-fitted on second fix plate to mains power socket. (INPUT 220-240V). Mains connection to be fitted and tested by a QUALIFIED ELECTRICIAN.

## 4 INSTALLATIONS

### INSTALLING

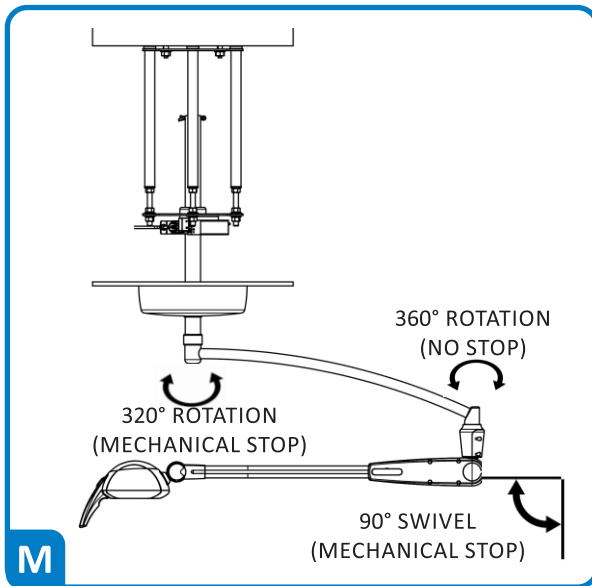
#### 4.6.2

#### HUGO LED-C

#### Slab to Ceiling



Do not connect mains power before the light assembly has been securely mounted to the ceiling.



Once the installation is complete check the following;

Power to the Light (ON/OFF)

320° rotation at the drop tube (mechanical stop)

360° rotation at the extension arm (no stop)

90° swivel at the light base knuckle (mechanical stop)

## 4 INSTALLATIONS

### PARTS

#### 4.6.3

#### HUGO LED-C

#### Ceiling Mounted

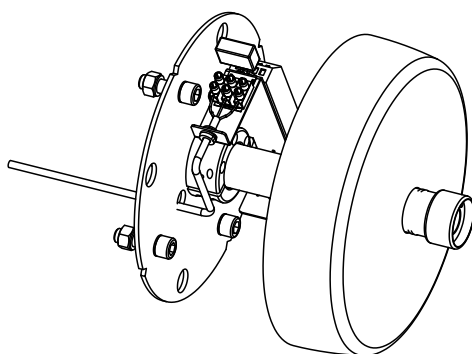


Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

**1**

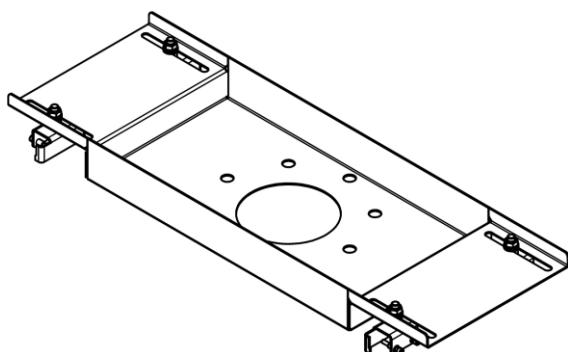
#### FIRST FIX PLATE ASSEMBLY PARTS:

- 4 x M10 X30 mounting bolts
- 4 x M10 star washers
- 4 x M10 nuts
- 1 x First fix plate
- 1 x Ceiling stem
- 1 x Cowling
- 2 x O-rings fitted on the ceiling stem
- 1 x Key cover


**2**

#### CEILING BRACKET:

Suspended ceiling mounting bracket

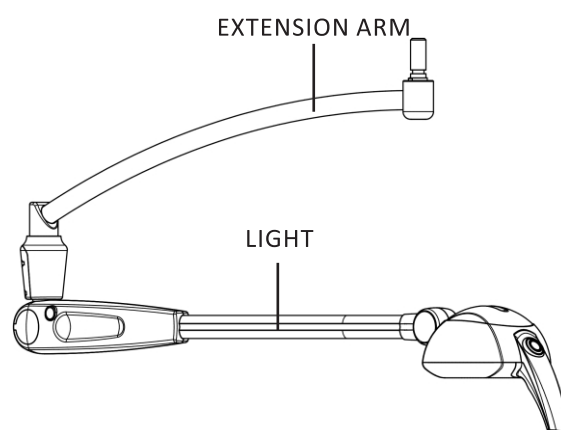


#### TOOLS REQUIRED FOR ASSEMBLY:

- No. 19 SPANNER
- Hammer action power drill
- Masonry drill bit : Diameter 12mm – Cutting Diameter 12.5mm
- 5mm Allen key
- Small Flat Screw Driver
- Level
- Holesaw - 70mm Diameter

**3**

#### PRE-ASSEMBLED: Extension arm & light



## 4 INSTALLATIONS

### INSTALLING

#### 4.6.3

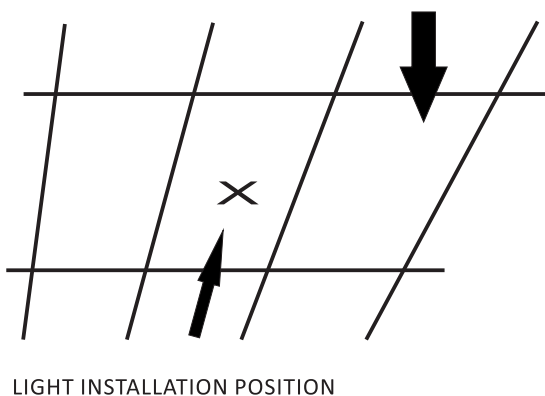
#### HUGO LED-C

#### Ceiling Mounted



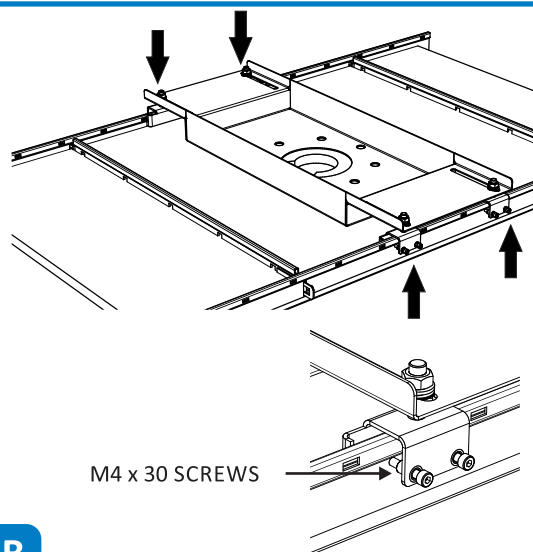
Do not connect mains power before the light assembly has been securely mounted to the slab.

REMOVE ADJACENT CEILING PANEL



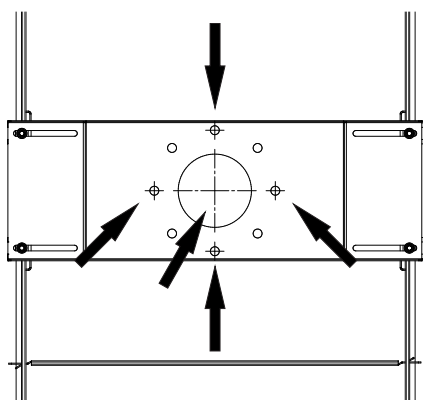
A

Identify ceiling panel where light to be fitted and remove the adjacent ceiling panel/panels to have access to where the light needs to be fitted.



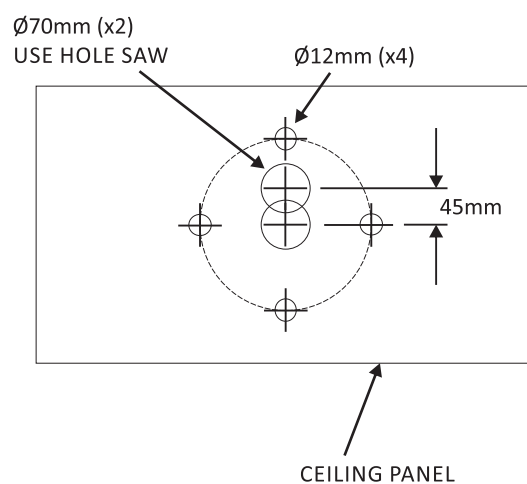
B

Loosen the M4 x30 screws (x8) on the ceiling clamping brackets (x4) and fit the ceiling mounting bracket over the ceiling Tees.



C

Use Ceiling mounting bracket as template to mark the 4 x mounting hole centres and the 2 x 70 OD holes as per Figure D on the ceiling panel.



D

Remove the ceiling panel and drill the holes as marked out (Ø12mm x4, Ø70mm x2) once drilled refit ceiling panel.

## 4 INSTALLATIONS

### INSTALLING

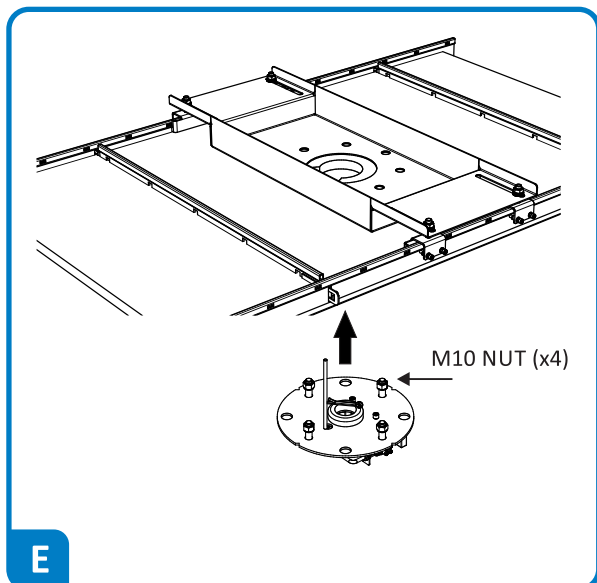
#### 4.6.3

#### HUGO LED-C

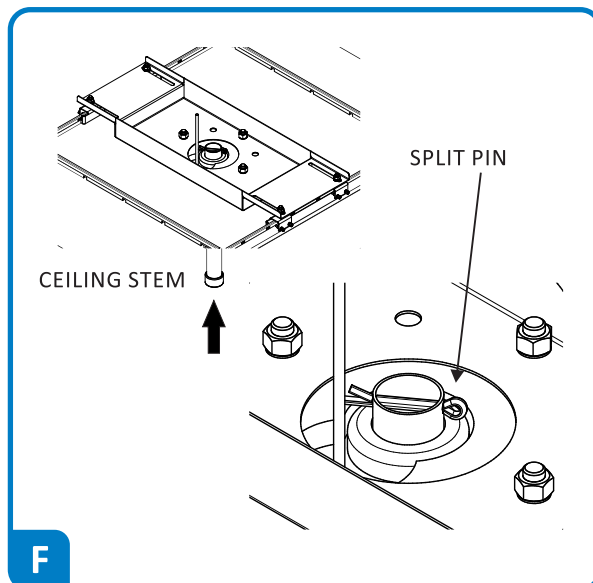
#### Ceiling Mounted



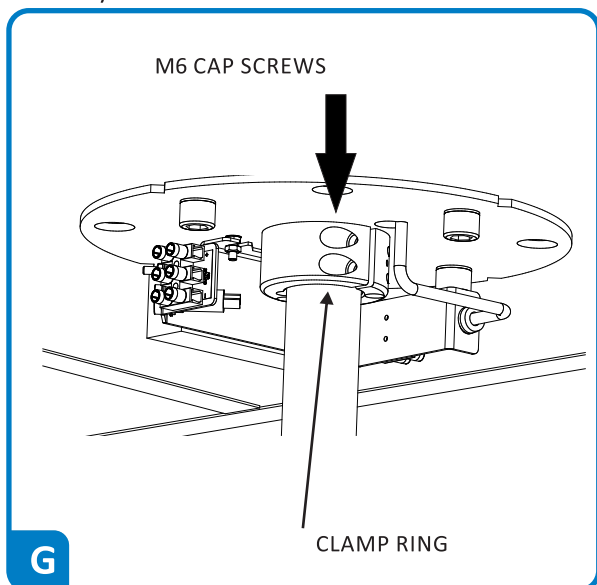
Do not connect mains power before the light assembly has been securely mounted to the slab.



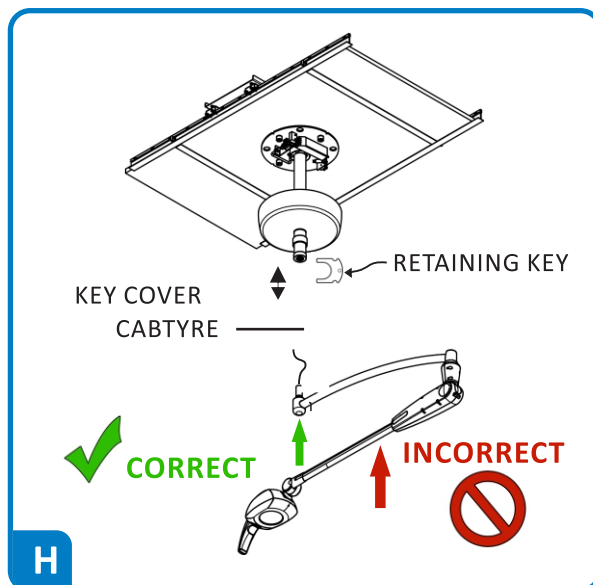
Re-fit ceiling mounting bracket, align holes with ceiling panel. Loosen the M8 nuts (x4) on the First Fix Plate. Align threaded rods on First Fix Plate with holes in Ceiling panel, fit and tighten M8 nuts to secure assembly.



Feed Ceiling Stem through Clamp Ring in First Fix Plate and fit Split Pin to prevent the Ceiling stem from dropping down.



Once Ceiling Stem is in position, secure by tightening M6 allen key screws (x2) in the Clamp Ring.



Hold onto the Extension Arm while feeding the cabtyre through the Ceiling Stem and exiting at the First Fix Plate. Insert the Extension Arm into the Collar and secure with the Retaining Key. Slide Key cover down over slot.

## 4 INSTALLATIONS

### INSTALLING

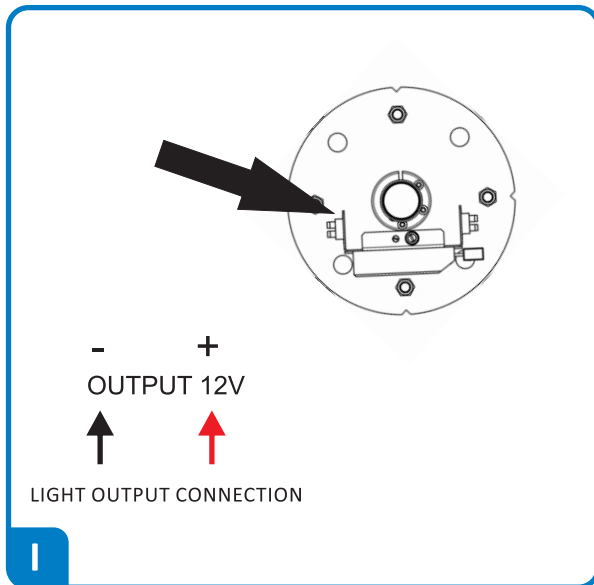
#### 4.6.3

#### HUGO LED-C

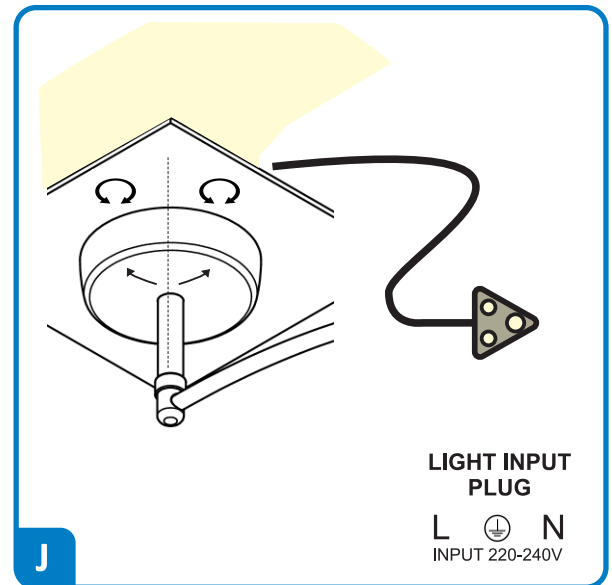
#### Ceiling Mounted



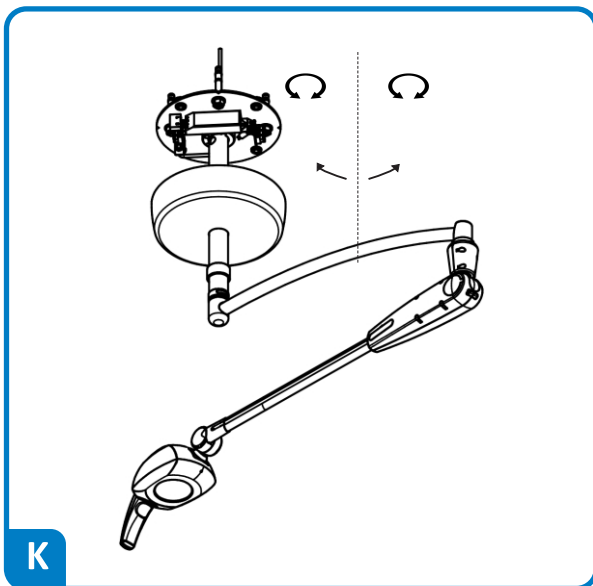
Do not connect mains power before the light assembly has been securely mounted to the slab.



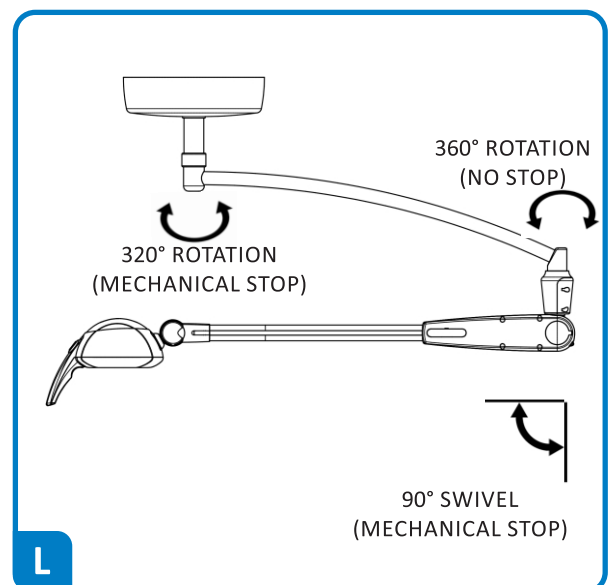
Take the input cable exiting from the top of the Ceiling Stem and terminate in connector block. To be fitted and tested by a QUALIFIED ELECTRICIAN.



Connect Plug on First Fix Plate to mains power socket. (INPUT 220-240V). Mains connection to be fitted and tested by a QUALIFIED ELECTRICIAN.



Check vertical level of ceiling stem. Adjust level with M10 nuts on First fix plate if required.  
Move the cowl up against the ceiling panel and secure in place with the pre-fitted o-rings.



Once the installation is complete check the following;  
Power to the Light (ON/OFF).  
320° rotation at the drop tube (mechanical stop).  
360° rotation at the extension arm (no stop).  
90° swivel at the light base knuckle (mechanical stop).



## 4 INSTALLATIONS

### PARTS

#### 4.7

#### HUGO LED-M

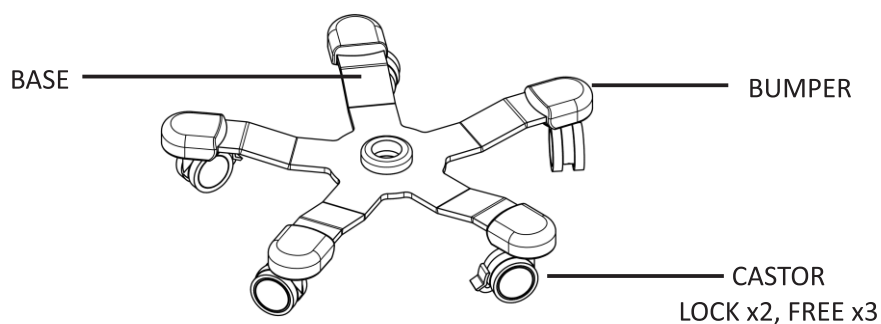
#### Mobile Stand



Follow installation instructions as noted in this booklet. Any deviation from the prescribed installation instructions would result in limited liability to the manufacturer.

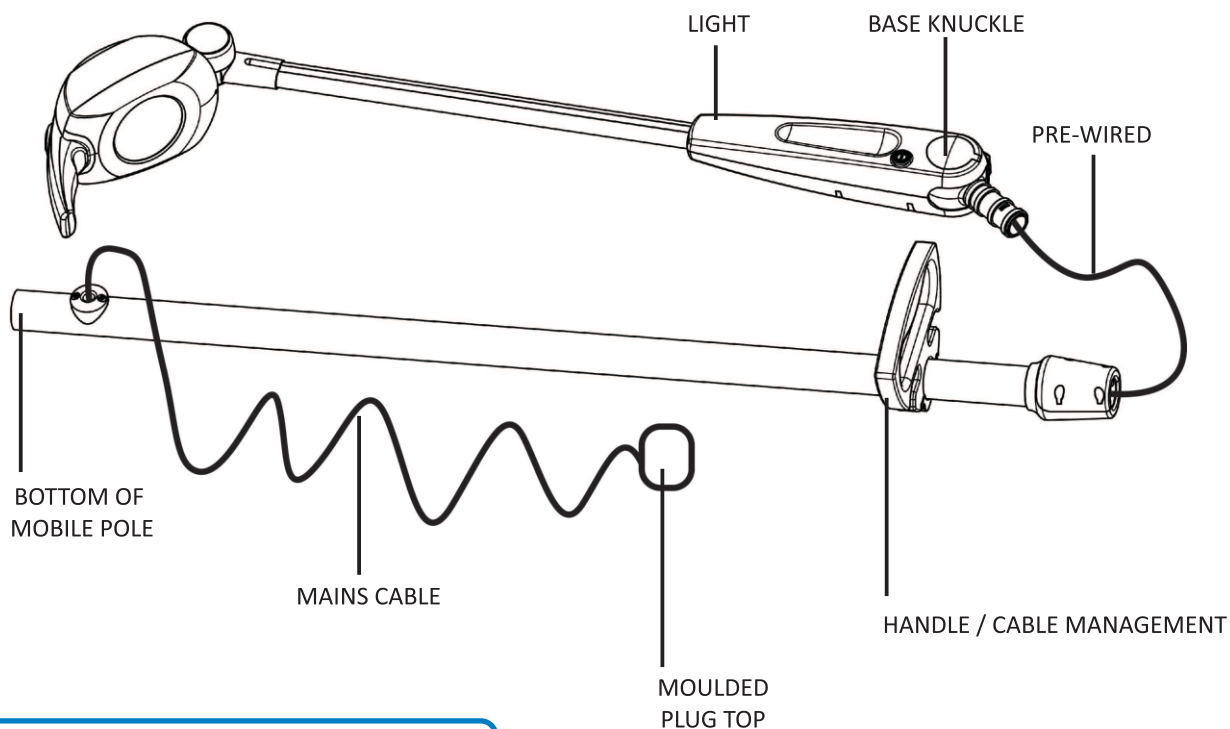
1

BASE  
QTY: x1



2

MOBILE LIGHT & POLE (PRE-ASSEMBLED) incl.  
3 m cable  
QTY: x1



#### TOOLS REQUIRED FOR ASSEMBLY:

8mm ALLEN KEY

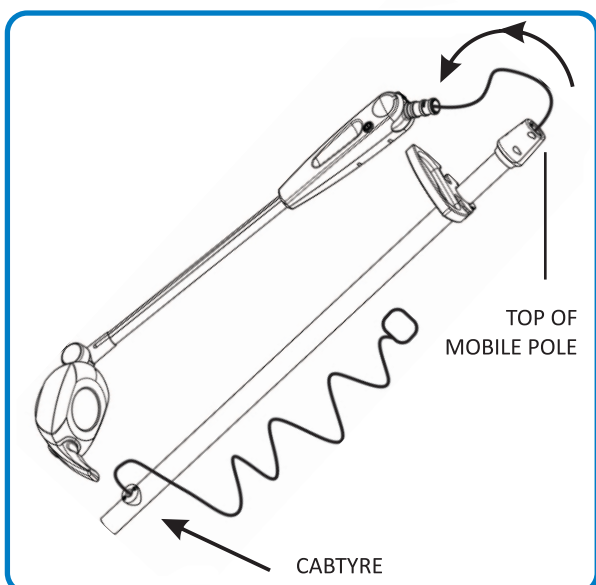
4mm PHILIPS SCREW DRIVER

## 4 INSTALLATIONS

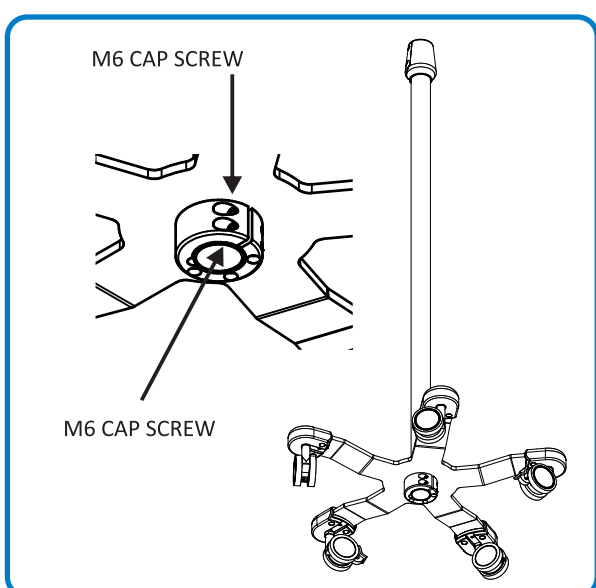
### INSTALLING

#### 4.7

#### HUGO LED-M Mobile Stand



Feed pre-fitted cabtyre through top of Mobile Pole to provide slack when assembling the unit.



Once Ceiling Stem is in position, secure by tightening M6 allen key screws (x2) in the Clamp Ring.

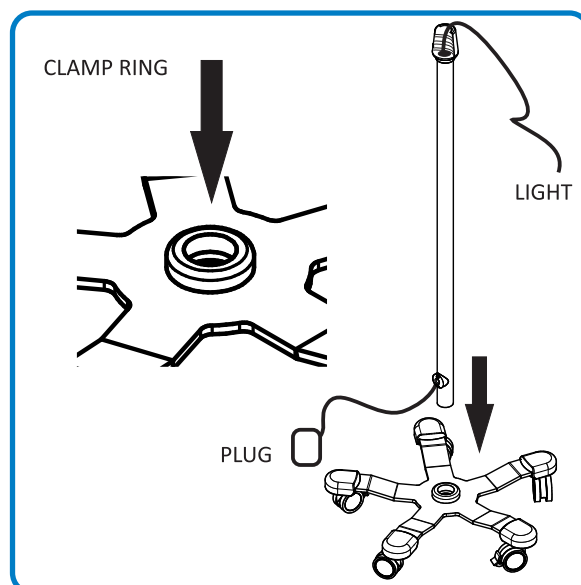
NOTE: When tightening the screws alternate between them to ensure even clamping.



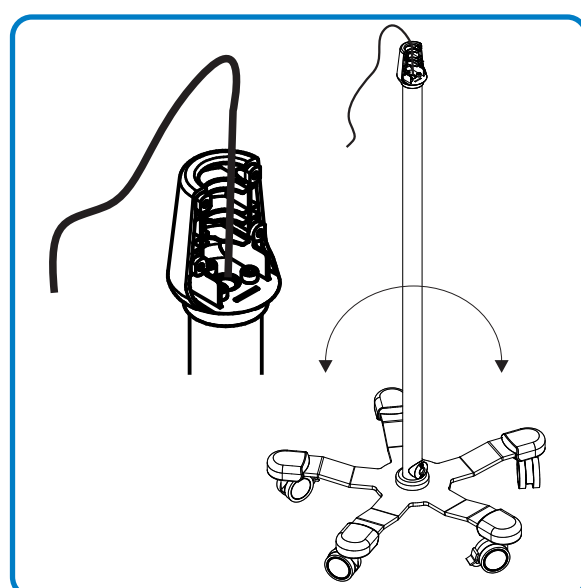
Do not connect light power cable to mains socket until mobile assembly is completed.



Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



Fit Mobile pole into top of clamp ring in base. Correct assembly can be seen when the bottom of the Mobile pole is flush with the underside of the clamp ring.



Place Mobile pole and base on the floor to check that there is no movement on the clamped pole. If necessary further tighten the screws in the Clamp ring.

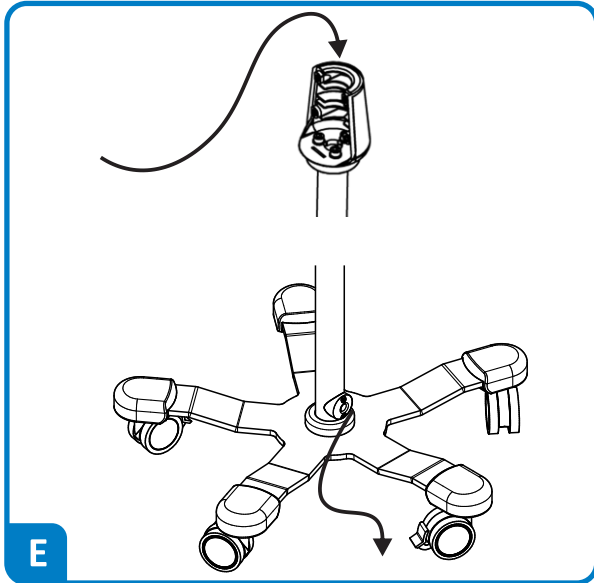
## 4 INSTALLATIONS

### INSTALLING

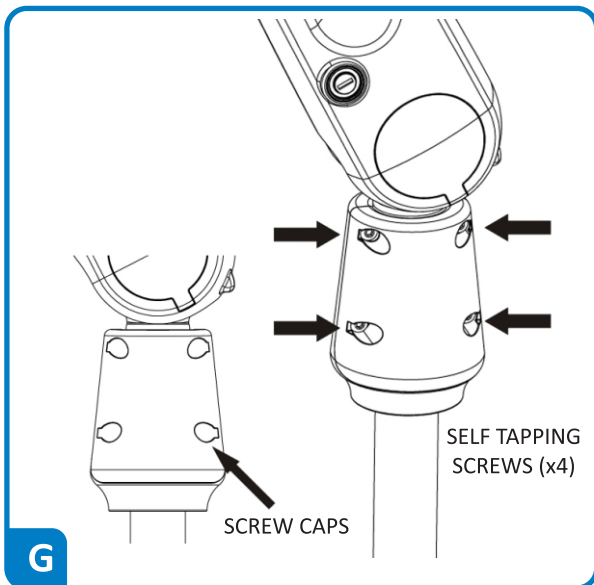
#### 4.7

#### HUGO LED-M

#### Mobile Stand



Feed cable back through attachment opening and pull through the cable exit at the bottom.



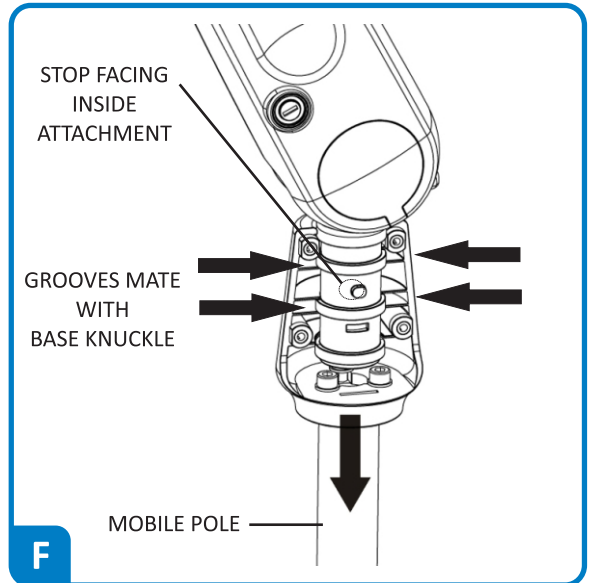
Fit the cover to the Base attachment. Use the x4 self-tapping screws provided to secure the Base mounting cover. Fit the screw covers provided, note that they are keyed (shape and size) so each cover fits in its own hole only.



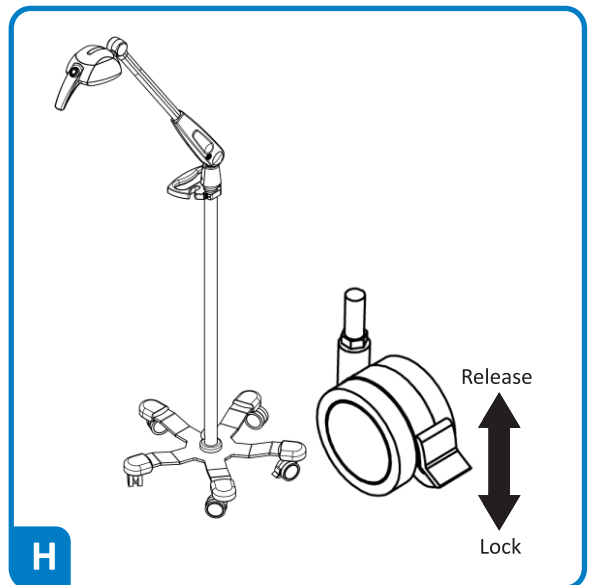
Do not connect light power cable to mains socket until Mobile assembly is completed.



Danger of death from electric shock. Do not plug in a damaged cable. The mains voltage and frequency must match the data on the product label. Connect to a mains connection with protective earth only.



Fit Base knuckle into Mounting attachment, note that the 'grooves' on the Base knuckle match up with slots in the attachment. NOTE: The 'Stop' on the Base knuckle must face the inside of the attachment during assembly.

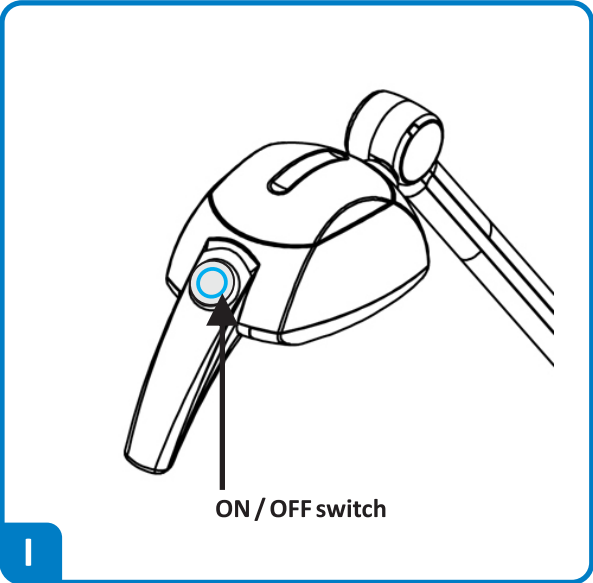


Ensure both caster locks have been released before operating mobile base. Lock is operated as follows; push latch **down to lock, pull up to release**.


5 OPERATION

GENERAL OPERATING PROCEDURE


5  
HUGO LED



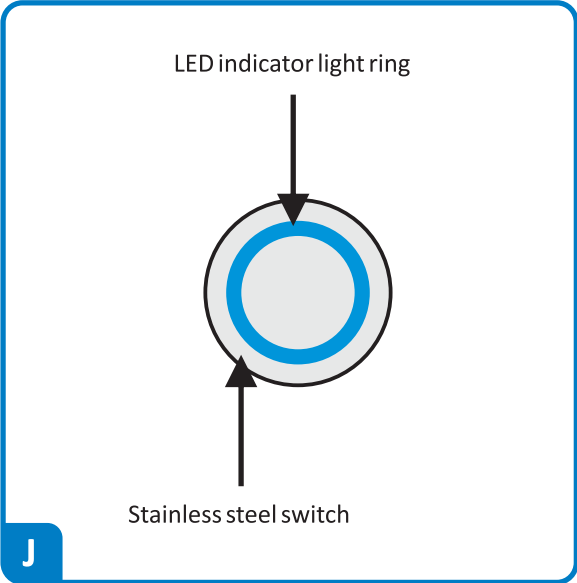
ON / OFF switch is located on the lamphead handle.



Do not connect light power cable to mains socket until securely mounted according to specified configuration.



Danger from electric shock. Do not operate switch with wet hands or in a wet environment.



The switch has an LED indicator light ring which illuminates when the mains power is connected to the light and is ON. To switch the light on press the switch down once. To switch the light OFF press down once. The LED light ring will remain illuminated until disconnected from the mains.

Colour	Colour temperature	Area of use
Natural White	4500k	Ideal for general examinations

## 5 OPERATION

### GENERAL OPERATING PROCEDURE

5

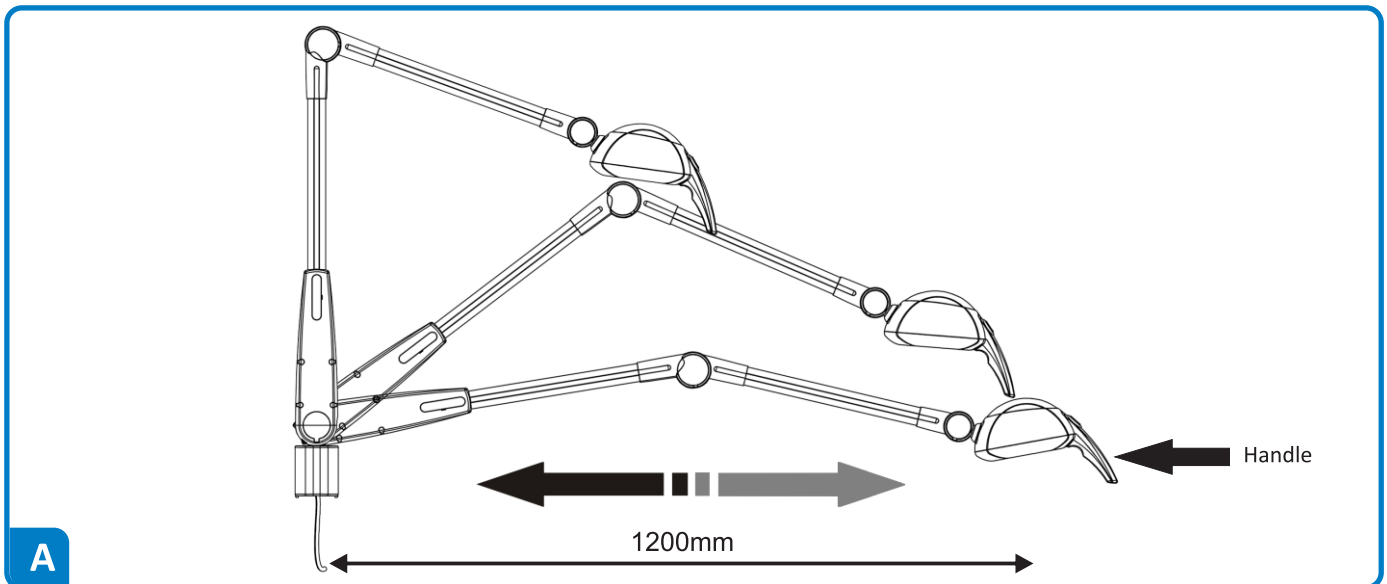
HUGO LED



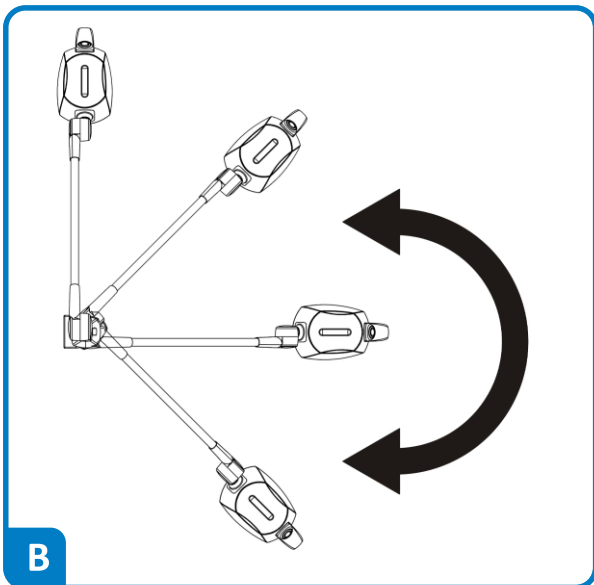
Each knuckle has a rotational limit stop. Do not try to overextend the arms beyond this limit as it will result in permanent damage.



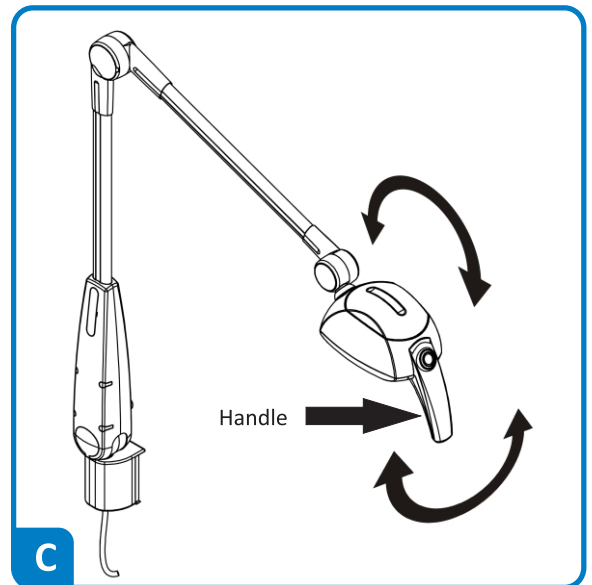
Danger from electric shock. Abuse of the product may result in exposure to live components.



To position light, take the handle and manipulate the lamphead to the desired location. The brake knuckle system works in such a way that in one direction the knuckle is free to move and in the opposite direction the friction is engaged to hold the light in position.



The light has rotational movement in its mounting attachment with a mechanical stop to prevent the mains cable twisting.



The light beam can be targeted by manipulating the lamphead using the handle.

## 6 DISINFECTION AND CLEANING



Damage to lens by concentrated disinfectant or solvent. Follow the disinfectant manufacturer's recommended mixing ratio. Use of incorrect cloths may scratch lens.



Do not use alcohol, solvent or cleaning agents containing chlorine or scouring agents.



Local government regulations for hygiene and disinfection must also be observed in addition to these instructions.



Clean lens regularly. A dirty lens will reduce the illuminating power. Spray disinfection is not permitted, use only wipe disinfection. Use glass cleaner for lens.

## 7 MAINTENANCE



Danger of death from electric shock. Set switch to OFF position and disconnect plug from mains. Check the connecting cable and plugtop for damage at least once a year.



All maintenance and repairs must be undertaken by an electrician. For the corresponding user profile see **THE SAFETY INSTRUCTIONS**.

Light sources must only be replaced by the manufacturer's Service Department. **REFER TO PRODUCT WARRANTY**. For replacement of light source, please contact HUTZ Medical's Service Department.

## 8 DISASSEMBLY AND DISPOSAL



Danger of death from electric shock. Set switch to OFF position and disconnect plug from mains.





Do not dispose of light with the normal refuse. Dispose of the light at a recycling centre or return it to the dealer who can dispose of according to local regulations. Cut off the cable flush with the housing.

## 9 TROUBLESHOOTING

<i>Light does not operate?</i>		User profile
1	Switch on light head (switch on handle)	All
2	Plug mains cable into the socket correctly	
3	Ensure mains socket switch is on	
4	Check whether mains power is supplied to socket	Electrician
5	Check mains voltage	
6	Contact manufacturer's Service Department	Manufacturer
<i>Arm drops / does not hold light position?</i>		
1	Contact manufacturer's Service Department	Manufacturer

## 10 TECHNICAL DATA


<b>Electrical:</b>	
Nominal voltage	220 - 240 V
Frequency range	50/60 Hz
Power consumption	12 Watts
Switching (Illuminated)	switch on lamphead
Mains lead (moulded plug top)	1500mm *see configuration
<b>Illumination:</b>	
Central illuminance (E <sub>c</sub> ) at 500mm	>50 000 Lux
Light field diameter d <sub>10</sub> at 500mm	∅ = 150mm
Colour temperature	4500k
Colour rendering index	≥85
Light source (Vossloh Schwabe - Germany)	× 5 LEDs
Light source service life	≥45 000 h
<b>Environmental conditions transport, storage, operation:</b>	
Ambient temperature (storage and transport)	-20°C to +70°C 
Ambient temperature (operation)	10°C to +40°C 
<b>Dimensions:</b>	
Folded (HUGO LED-U/W/P/R/D)	780mm, 200mm,130mm
Fully extended (HUGO LED-U/W/P/R/D)	1200mm



## 10 TECHNICAL DATA

<b>Weight:</b>	
Product weight (net - double arm light only.)	1.9Kg
<b>Construction:</b>	
Main body *Anti-microbial additive in plastic	Plastic moulded
Arms	Aluminium 6063
<b>Colour:</b>	
Arms	Nat. Anodised 9 micron
Plastic housing (body)	White
Plastic housing (caps)	Options on request
<b>Configurations:</b>	
HUGO LED-U	Unit Mounted
HUGO LED-W	Wall Mounted
HUGO LED-P	Pole Mounted
HUGO LED-R	Rail Mounted
HUGO LED-D	Desk Clamp Mounted
HUGO LED-C	Ceiling Mounted
HUGO LED-M	Mobile stand
<b>Warranty:</b>	REFER TO WARRANTY
<b>Operating mode:</b>	Continuous operation

## 10 TECHNICAL DATA

<b>Classification:</b>	
HUGO LED-U/W/P/R/D/C/M (Electrical safety classification)	Class II Type B
HUGO LED-C (Electrical safety classification)	Class I Type B
Protection Class IEC 60529	IP 54
Classification under 93/42/EEC - Annex IX	Class I (Medical device)
<b>Electrical safety and EMC compliance:</b>	

**HUTZ MEDICAL**

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