

SHOR-LINE[®]

WALL MOUNT MODEL SHOWN

PRELUDE LED EXAM LIGHT, C/US

REFERENCE GUIDE



Complies with: AAMI ES60601-1
CSA C22.2 No. 60601-1

Save This Guide For Future Reference
PN: 006.9137.00

March 2019

Introduction

Thank you for purchasing Shor-Line products. As a leader in animal care equipment, our commitment to provide quality products and personable customer service is the same as it was in 1927.

This Guide provides information regarding the installation, use, and care of your Shor-Line product. Keep this Guide in a safe and convenient place for reference.

Read this guide completely before installation and use and thoroughly understand and follow all safety instructions.

For further questions, to purchase additional products, or to replace a lost or damaged Guide, please feel free to contact Shor-Line:

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Shor-Line may provide instructions that supplement or supersede this Guide at any time. Contact Shor-Line to ensure the Guide is the latest version.

During installation, if a contradiction between this Guide, existing conditions, or local regulations arise, contact a Shor-Line representative before proceeding with installation.

Installation and repair of the Prelude LED Exam Light must be performed by a qualified electrician and the site specific mount framing must be designed and certified by a qualified structural engineer. Failure to comply will result in a void of Shor-Line warranties.

This product is intended to be used for animals only. Do not use for anything other than the intended purpose.

Shor-Line's TERMS AND CONDITIONS can be found at shor-line.com

Ondal is a registered trademark of Ondal Medical Systems and is registered in the U.S. and other countries, all rights reserved.

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California Proposition 65 Warning



WARNING This product can expose you to chemicals including chromium, which are known to the state of California to cause cancer. For more information go to: www.P65Warnings.ca.gov

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Safety Definitions

Refer to the Guide, images and content to assist with the installation and use of the product. Throughout the Guide, safety notices provide help for a successful installation.

SAFETY FIRST!

Shor-Line uses the following symbols and signal words to identify potential hazards or unsafe practices:

Safety Alert Symbol



Indicates a potential personal injury hazard exists. It is important to heed any safety warning information associated with this alert symbol.

Signal Words for Hazard Alerting Safety Messages



Indicates a hazardous situation which, if not avoided, WILL result in serious injury or death.

Indique une situation dangereuse qui, si elle n'est pas évitée, entraînera des blessures graves ou la mort.



Indicates a hazardous situation which, if not avoided, COULD result in serious injury or death.



Indique une situation dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures graves ou la mort.



Indicates a hazardous situation which, if not avoided, COULD result in minor or moderate injury.



Indique une situation dangereuse qui, si elle n'est pas évitée, pourrait causer des blessures mineures ou modérées.

Important Information Symbol



Indicates information considered important but not directly hazard related.

Personal Protective Equipment (PPE)

PPE refers to protective clothing or other equipment designed to protect against injury. It is the responsibility of the client/installer to ensure all local and federal codes are adhered to during the installation of this product. Included is a list of PPE items suggested, but not limited to, protective equipment to help complete the installation safely.

- Eye protection
- Gloves

Shor-Line makes no guarantee, implied or otherwise, that the information included in this Guide will be complete or failsafe, or that the information will prevent an injury from occurring. Standard measures described may not reflect the full extent of all steps that may need to be taken in any given emergency instance.

NOTICE

Room temperature range for operation of the Exam Light is 20 – 25° Celsius (68 to 77° F).

Transport and store 4° to 122° F (-20° to 50° C) and 10-90% relative humidity. Follow best management practices and recognized requirements for hygiene, cleaning, and disinfection.

Safety Warnings Included In This Guide



READ THIS GUIDE COMPLETELY BEFORE INSTALLATION AND USE AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS.

Lisez ce guide complètement avant l'installation et l'utilisation, comprendre et suivre toutes les instructions de sécurité.

Installation and repair of the Prelude LED Light MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'installation et la réparation de la lampe Prelude LED doivent être effectuées par un électricien qualifié. Un contact avec le câblage électrique / sous tension peut causer un choc électrique ou un incendie, ce qui, s'il n'est pas évité, entraînera des blessures graves ou la mort.

The site specific mount framing for the Prelude LED Light MUST BE DESIGNED AND CERTIFIED BY A QUALIFIED STRUCTURAL ENGINEER. Failure to comply with this requirement could result in structural failure which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Le cadre de montage spécifique à la lampe prelude LED doit être conçu et certifié par un ingénieur structurel qualifié. Le non-respect de cette exigence peut entraîner une défaillance structurelle qui, si elle n'est pas évitée, entraînera des blessures graves ou la mort.

Power Supply and Circuity for end use components requires electrical isolation. PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS PROVIDE two protective measures in accordance with EN60601-1. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'alimentation et les circuits pour les composants d'utilisation finale nécessitent une isolation électrique. Avant et pendant L'INSTALLATION et L'entretien, toujours prévoir deux mesures de protection conformément à la norme EN60601-1. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS ISOLATE AND DISCONNECT all three poles. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Avant et pendant l'installation et l'entretien, isolez et débranchez toujours les trois pôles. Un contact avec le câblage électrique / sous tension peut causer un choc électrique ou un incendie, ce qui, s'il n'est pas évité, entraînera des blessures graves ou la mort.

DO NOT plug-in power cord until the installation is complete and the equipment is ready to be tested. Contact with electrical/live circuit wiring can cause electrical shock, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Ne pas brancher le cordon d'alimentation avant que l'installation soit terminée et que l'équipement est prêt à être testé. le contact avec le câblage électrique / sous tension peut causer un choc électrique qui, s'il n'est pas évité, entraînera des blessures graves, voire la mort.

SECTION ONE

WARNING

*The spring arm is equipped with a tension spring that holds the head unit and arm in place. WHEN INSTALLING OR REMOVING a head unit to the spring arm, MAINTAIN CONTROL OF THE ARM at all times. The spring arm can rotate downward or spring up suddenly which could cause **SERIOUS INJURY OR DEATH**.*

AVERTISSEMENT

Le bras à ressort est équipé d'un ressort de tension qui maintient l'unité de tête et le bras en place. Lors de l'installation ou du retrait d'une unité principale sur le bras à ressort, maintenir la commande du bras à tout moment. Le bras à ressort peut pivoter vers le bas ou se soulever brusquement, ce qui pourrait provoquer des blessures graves ou la mort.

*Stay clear of and **DO NOT TOUCH** exposed cut steel. Cutting steel can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.*

Restez à l'écart de et ne touchez pas l'acier coupé exposé. La coupe de l'acier peut produire des arêtes vives ou déchiquetées pouvant causer de graves lacérations qui, si elles ne sont pas évitées, pourraient entraîner des blessures graves, voire la mort.

CAUTION

Only adjust the spring arm tension in the upper most position.

Réglez la tension du bras à ressort uniquement dans la position la plus haute.

PRÉCAUTION

Over-tightening the tension screw can adversely affect the spring and cause irreparable damage to the equipment. Adjust in small increments and test performance between each adjustment.

Un serrage excessif de la vis de tension peut nuire au ressort et causer des dommages irréparables à l'équipement. Ajustez par petits incréments et testez les performances entre chaque ajustement.

*Do **NOT** drape or hang the power cord, avoid tripping hazards.*

Ne pas Draper ou accrocher le cordon d'alimentation, éviter les risques de trébucher.

*Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in **MINOR TO MODERATE INJURY**.*

Gardez vos mains à l'écart des zones de pincement possibles lors du déplacement de pièces, ce qui, si elles ne sont pas évitées, pourrait entraîner des blessures mineures à modérées.

For more information about disposal of equipment, for recycling, please contact your local city office or your waste disposal service provider.

Pour de plus amples renseignements sur l'élimination de l'équipement, pour recyclage, veuillez communiquer avec votre bureau municipal ou votre fournisseur de services d'élimination des déchets.

DO NOT ATTEMPT TO DISASSEMBLE THE LIGHT OR ANY ASSOCIATED PRODUCT WITHOUT FIRST CONTACTING SHOR-LINE.

Ne pas essayer de démonter la lumière ou tout produit associé sans la première contacte Shor-Line.

Mobile Exam Light: The power supply cord cannot be replaced; if the cord is damaged, the equipment shall be destroyed.

Lampe d'examen mobile: le cordon d'alimentation ne peut pas être remplacé; si le cordon est endommagé, l'équipement doit être détruit.

Ceiling and Wall Mount: Power switch shall be provided as a mean of isolating equipment from supply mains in field installation.

Montage au plafond et mural: Un interrupteur d'alimentation doit être fourni afin d'isoler l'équipement du secteur dans les installations sur site.

Shipment Inventory And Inspection

Shipment Inventory

Upon arrival, unpack and inspect the shipment to ensure it is complete and free of any damages that may have occurred during shipping. Compare the packing list with the shipment to ensure all parts/components have been received.

NOTICE

This Guide can be used to identify parts and their associated part numbers listed on the packing slip.

Shipment Inspection

While verifying the shipment contents, take a moment to inspect each component for damage. This should be done before the shipment is signed received and accepted.

If damaged components are apparent, follow the claim procedures set forth by the carrier.

Damage Reporting

Follow the instructions within Shor-Line's Damage and Freight Procedures.

Call Shor-Line (800.444.1579) immediately to expedite replacements or repairs.

NOTICE

After fifteen (15) calendar days of receipt of merchandise, this policy becomes void.

Prelude LED Exam Light

The Prelude LED Exam Light is available with three mounting configurations to best serve a variety of space conditions.

The wall mount frees space around three sides of the exam table, while the ceiling mount frees floor space around the table as well as provides freedom to locate an exam/surgery table away from wall surfaces for better access.

The mobile exam light provides the freedom to move the light and/or the exam table where it may be most convenient.



FIGURE 1.1 - Prelude LED Exam Light Head

SECTION ONE

Parts List

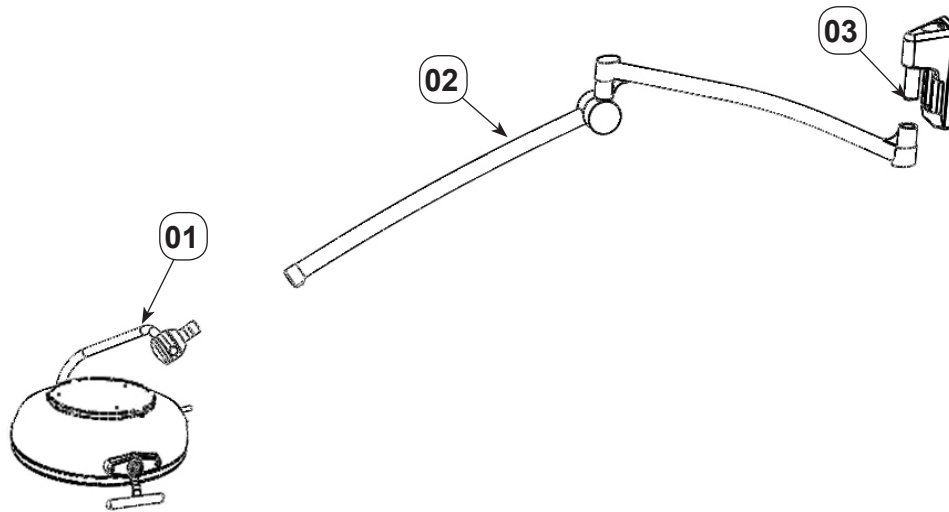


FIGURE 1.2 - Prelude LED Exam Light, Wall Mount C/UL (913.7000.01)

Prelude LED Exam Light Assembly Contents				
ITEM	PART #	DESCRIPTION	QTY	✓
01	713.7000.02	Prelude LED Exam Light Head Unit	1	<input type="checkbox"/>
02	176.0004.00	Prelude LED Exam Light - Spring arm	1	<input type="checkbox"/>
03	175.0003.00	Prelude LED Exam Light - Wall Mount Assembly	1	<input type="checkbox"/>

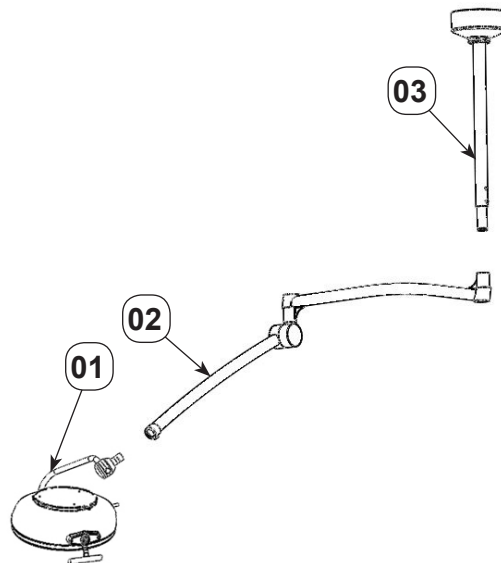


FIGURE 1.3 - Prelude LED Exam Light, Ceiling Mount C/UL (913.7000.00)

Prelude LED Exam Light Assembly Contents				
ITEM	PART #	DESCRIPTION	QTY	✓
01	713.7000.02	Prelude LED Exam Light Head Unit	1	<input type="checkbox"/>
02	176.0004.00	Prelude LED Exam Light - Spring arm	1	<input type="checkbox"/>
03	175.0002.00	Prelude LED Exam Light - Ceiling Mount Assembly	1	<input type="checkbox"/>
04	300.2022.00	Prelude LED Exam Light - Ceiling Mount Plate (Not shown)	1	<input type="checkbox"/>

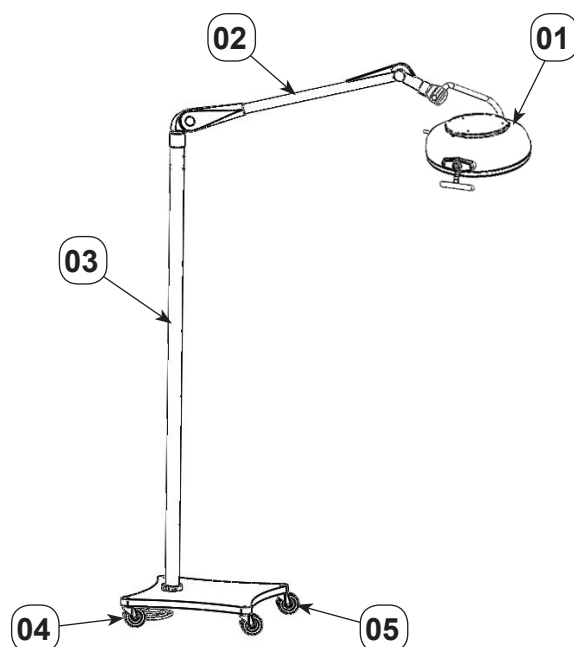
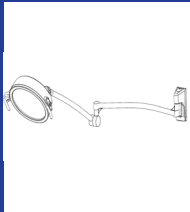
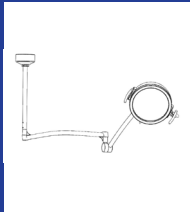



FIGURE 1.4 - Prelude LED Exam Light, Mobile C/UL (913.7000.02)

Prelude LED Exam Light Assembly Contents				
ITEM	PART #	DESCRIPTION	QTY	<input checked="" type="checkbox"/>
01	713.7000.03	Prelude LED Exam Light Head Unit	1	<input type="checkbox"/>
02	176.0003.03	Prelude LED Exam Light - Spring arm	1	<input type="checkbox"/>
03	713.8000.04	Prelude LED Exam Light - Mobile Fixture	1	<input type="checkbox"/>
04	086.3000.10	Caster w/Locking Hub	2	<input type="checkbox"/>
05	086.3000.11	Caster w/o Locking Hub	2	<input type="checkbox"/>

Specifications

Prelude LED Exam Light - Weight Specifications				Model		
 <p>Wall Mount Assembly Weight 17.6 lb (8.0 kg)</p>	 <p>Ceiling Mount Assembly Weight 31.0 lb (14.1 kg)</p>	 <p>Mobile Mount Assembly Weight 108.4 lb (49.2 kg)</p>		Wall Mount	Ceiling Mount	Mobile
Part #	Description	Weight				
713.7000.01	LED Light Head Assembly	5.4 lb (2.45 kg)	X	X	X	
176.0004.00	Spring Arm	8.2 lb (3.72 kg)	X	X		
175.0003.00	Wall Mount Bracket Assembly	4.0 lb (1.80 kg)	X			
175.0002.00	Ceiling Mount Bracket Assembly	17.4 lb (7.90 kg)		X		
176.0003.03	Mobile Spring Arm Assembly	4.0 lb (1.80 kg)				X
713.8000.04	Mobile Base Assembly	99.0 lb (44.90 kg)				X

SECTION ONE

Prelude LED Exam Light - Head Assembly		
Item	Description	Data
Environment	Intended Location	Examination Room
	Ease of Motion (See Motion Parameters Table)	Yes
Electrical	Input Voltage/Current	120 to 240 VAC, 60 and 50 HZ
	Output	35 VDC 0.6 Amps
Optical	Central Illuminance (High)*	40,000 LUX
	Central Illuminance (Low)*	20,000 LUX
	Color Rendering Index (CRI)	90
	Color Temperature	4500K
	LED Quantity	11
	Light Field Diameter	9.5" (240mm)
	Light Distribution	4.75" (120mm)
	Total Irradiance (Maximum)	209W/m2
*Measured at 39.375" (1 meter)		

NOTICE

Room temperature range for operation of the Exam Light is 20 – 25° Celsius (68 to 77° F).

Prelude LED Exam Light - Motion Parameters	
Component	Distance
Head Vertical Motion	47" (194mm)
Head Horizontal Motion	360 degrees
Head Extended From Mount Axis	70" (1778mm)
Head Lowest Position - 8ft Ceiling Height	34.5" (876mm)
Head Lowest Position - 9ft Ceiling Height	46.5" (1181mm)
Head Lowest Position - 10ft Ceiling Height	58.5" (1486mm)

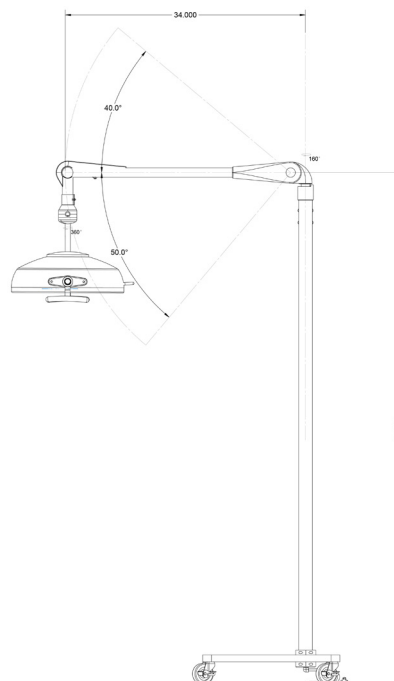


FIGURE 1.5 - Prelude LED Exam Light, Mobile Configuration

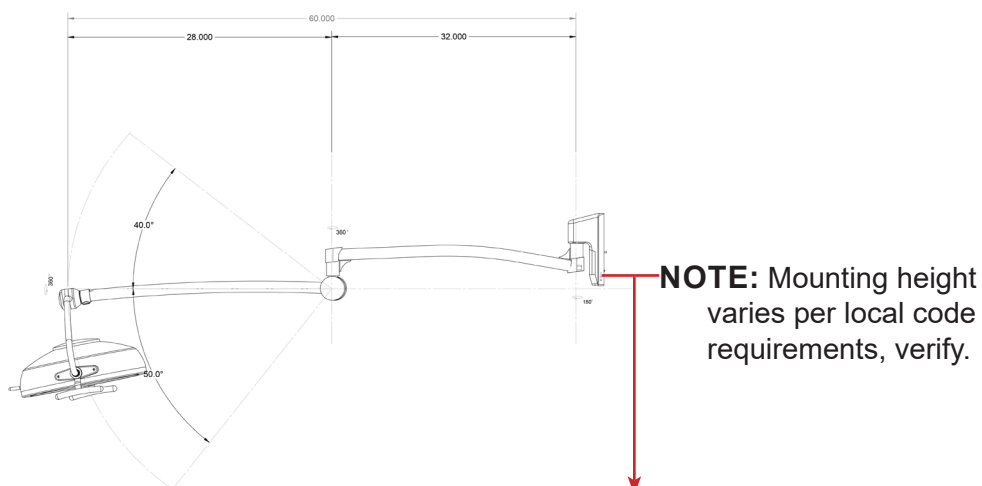


FIGURE 1.6 - Prelude LED Exam Light, Wall Mount Configuration

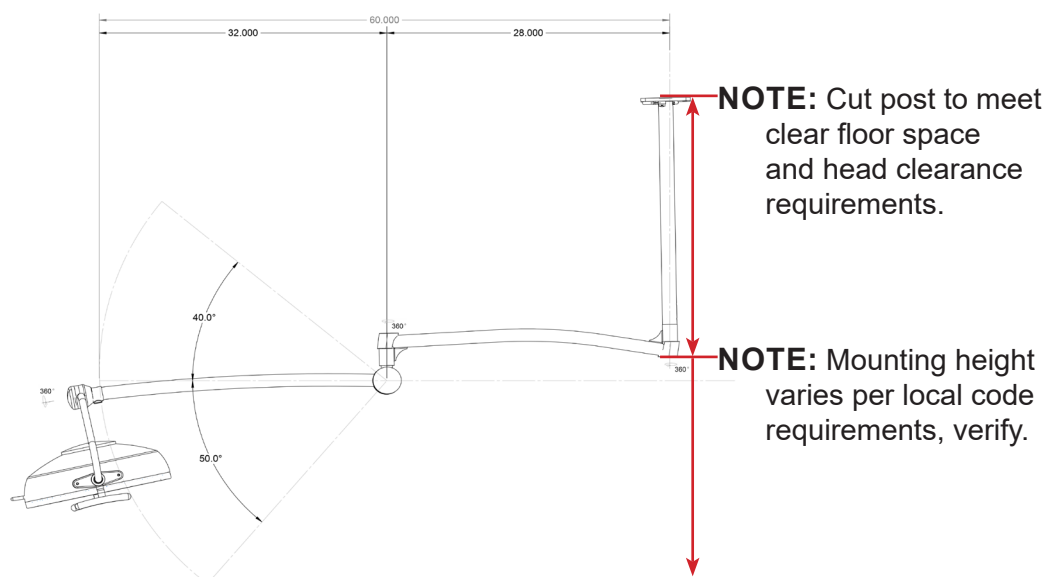


FIGURE 1.7 - Prelude LED Exam Light, Ceiling Mount Configuration

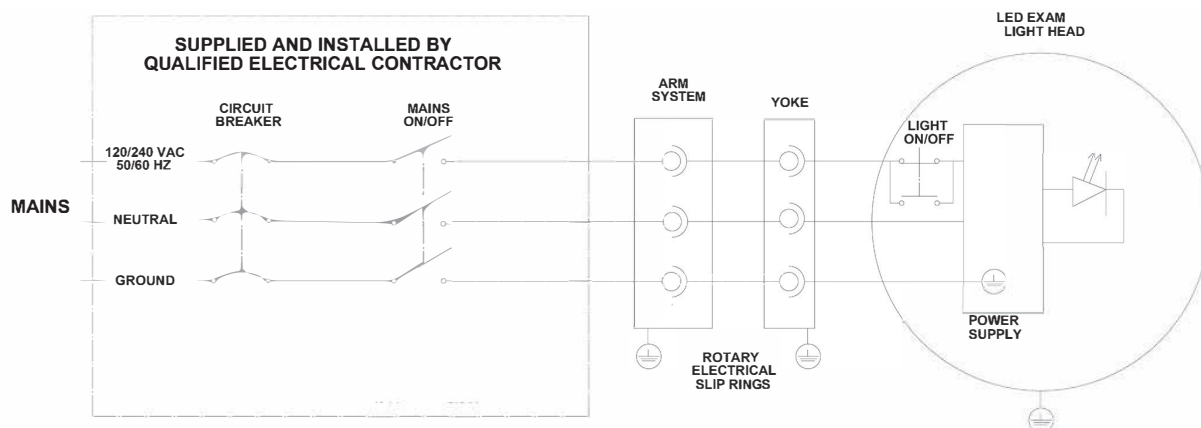


FIGURE 1.8 - Isolation Circuit For Direct Connection Configurations

SECTION TWO

Assembly Procedures

Prelude LED Exam Light



READ THIS GUIDE COMPLETELY BEFORE INSTALLATION AND USE AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS.

Lisez ce guide complètement avant l'installation et l'utilisation, comprendre et suivre toutes les instructions de sécurité.

There are three Prelude LED Exam Light models; Wall Mount, Ceiling Mount, and a Mobile Fixture are available.

The wall and ceiling mount models require fixture installation, while the mobile model requires only assembly. Depending on the fixture model and building construction, the installation construction types vary.

To replace an exam light on an existing light fixture, see "Prelude Exam LED Light Head Installation" and the fixture manufacturers installation procedures.



Installation and repair of the Prelude LED Light MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'installation et la réparation de la lampe d'examen prelude led doivent être effectuées par un électricien qualifié. Un contact avec le câblage électrique / sous tension peut causer un choc électrique ou un incendie, ce qui, s'il n'est pas évité, entraînera des blessures graves ou la mort.

Power Supply and Circuity for end use components requires electrical isolation. PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS PROVIDE two protective measures in accordance with EN60601-1. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'alimentation et les circuits pour les composants d'utilisation finale nécessitent une isolation électrique. Avant et pendant L'INSTALLATION et L'entretien, toujours prévoir deux mesures de protection conformément à la norme EN60601-1. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

NOTICE

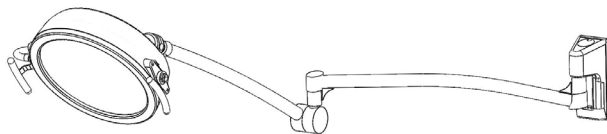
The fixtures must be assembled and installed correctly before attempting to install the LED light head. Installing the light head before the fixture is assembled and installed could cause damage to the equipment.

Wall Mount Installation

The wall mount fixture is designed and manufactured by Ondal Medical Systems.

The mount and fixture arms are packaged separately, and are shipped with Ondal installation and operation manuals.

Refer to Ondal installation manuals for complete installation and assembly fixture installation procedures.



Installation of an isolation circuit disconnect is required for direct connection configurations in accordance with IEC ES60601-1. Refer to FIGURE 1.8 for the electrical schematic of a direct connection isolation circuit.

Installation and repair of the Prelude LED Light MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'installation et la réparation de la lampe Prelude LED doivent être effectuées par un électricien qualifié. Un contact avec le câblage électrique / sous tension peut causer un choc électrique ou un incendie, ce qui, s'il n'est pas évité, entraînera des blessures graves ou la mort.

The site specific mount framing for the Prelude LED Exam Light MUST BE DESIGNED AND CERTIFIED BY A QUALIFIED STRUCTURAL ENGINEER. Failure to comply with this requirement could result in structural failure which, if not avoided, will result in SERIOUS INJURY OR DEATH.

La charpente de montage propre au site pour le feu D'examen à DEL Prélude doit être conçue et certifiée par un ingénieur en structure qualifié. Le non - respect de cette exigence pourrait entraîner une défaillance structurale qui, si elle n'est pas évitée, pourrait causer des blessures graves ou la mort.

Wall Mount - Base Installation

Installation techniques may vary depending on the building construction and desired installation location.

The installer is responsible to provide any alternative mounting hardware required for other types of construction. The base mount must hold a minimum of 100 lb load.

The shipping cartons contain a Prelude LED Exam light wall mount assembly, spring arm assembly and Prelude LED Exam Light.

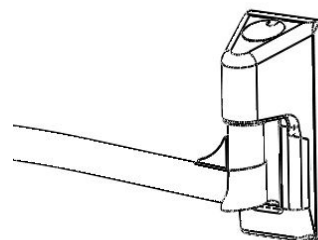


FIGURE 2.1 - Wall Mount Base



CAUTION

Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in MINOR TO MODERATE INJURY.



PRÉCAUTION

Évitez de pincer les mains lorsque vous déplacez des pièces qui, si elles ne sont pas évitées, pourraient causer des blessures légères à modérées.

STEP 1: Remove the inner cover. Refer to FIGURE 2.2

STEP 2: Remove the outer plastic cover from the base plate. Refer to FIGURE 2.3

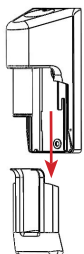


FIGURE 2.2 - Inner Cover

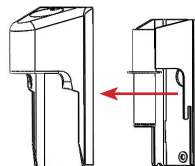


FIGURE 2.3 - Outer Cover

SECTION TWO

- STEP 3:** Use the base plate hole template to mark locations of the attachment holes (7.45", 190mm O.C.) on the wall surface, ensure proper blocking/framing is provided to support at least 100 lb load.
- STEP 4:** Refer to the anchor manufacturers recommendation for hole size, drill holes as required.
- STEP 5:** Following the anchor manufacturer's procedures, set and secure wall anchors as recommended.

NOTICE

If a binding agent is used to anchor the base plate, allow the agent to set, harden completely before continuing with the installation.

- STEP 6:** Route mains wiring into the base plate and through the cable clamp. Secure wiring providing slack to reach the terminal block.
- STEP 7:** Align the base plate, insert hardware and secure the base plate to the wall. Refer to FIGURE 2.4

NOTICE

For outlet plug installations, follow the same steps while routing the cable through the top of the base plate. The plug will have to be fed through the outer plate cover access port. Refer to FIGURE 2.6

NOTICE

There is a rotary coupler inside the post which is pre-wired to the terminal block and ground connector.

- STEP 8:** Strip mains wiring and secure the power and neutral to the terminal block. Refer to FIGURE 2.5
- STEP 9:** Strip the ground wire and connect to the ground terminal. Refer to FIGURE 2.5
- STEP 10:** Reinstall the outer plastic cover onto the base plate. Refer to FIGURE 2.6
- STEP 11:** Feed the outlet plug through the top access port if required. Refer to FIGURE 2.6
- STEP 12:** Reinstall the inner plastic cover. Refer to FIGURE 2.7

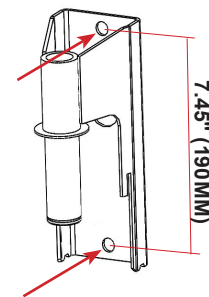


FIGURE 2.4 - Mounting Holes

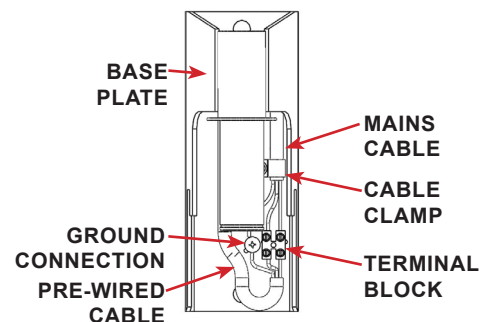


FIGURE 2.5 - Electrical Connections

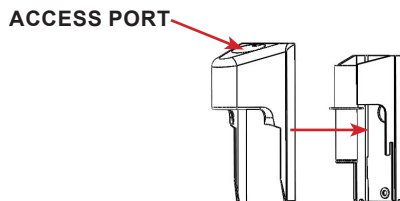


FIGURE 2.6 - Outer Cover

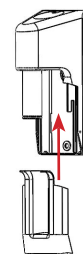


FIGURE 2.7 - Inner Cover



CAUTION

Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in MINOR TO MODERATE INJURY.



PRÉCAUTION

Évitez de pincer les mains lorsque vous déplacez des pièces qui, si elles ne sont pas évitées, pourraient causer des blessures légères à modérées.

Wall Mount - Spring arm Installation

The spring arm attaches to the post on the wall mount. The extension arm end is secured to the base post.



PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS ISOLATE AND DISCONNECT all three poles. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Avant et pendant L'INSTALLATION et L'entretien, toujours isoler et déconnecter les trois poteaux. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

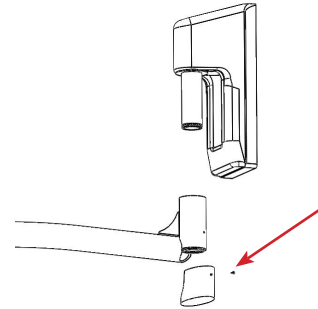


FIGURE 2.8 - Rotary Cap

STEP 1: Remove the phillips head screw on the spring arm rotary cap. Refer to FIGURE 2.8

STEP 2: Remove the spring arm rotary cap by tilting forward and pulling the cap outward. The rotary pin assembly is attached to, and will slide out with the cap.

STEP 3: Lubricate the pivot coupler using roller bearing grease and contact surfaces with conductive grease. (e.g. Optimol)

NOTICE

Do NOT over grease the pivot coupler. Apply with a cotton swab, when connected to coupler, rotate fixture to evenly spread lubrication.



Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in MINOR TO MODERATE INJURY.



Évitez de pincer les mains lorsque vous déplacez des pièces qui, si elles ne sont pas évitées, pourraient causer des blessures légères à modérées.

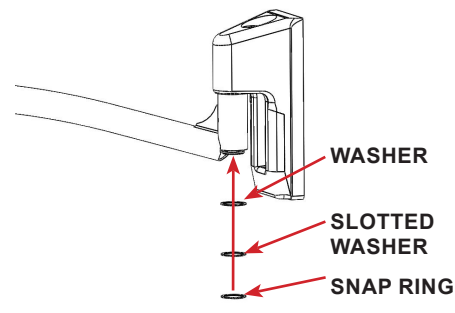
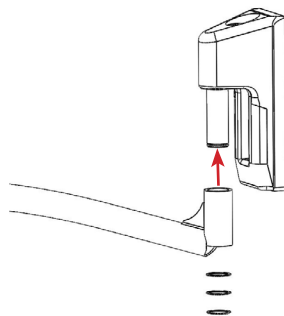


FIGURE 2.9 - Spring arm Installation FIGURE 2.10 - Washer and Snap Ring

STEP 4: Slide the extension arm onto the post, secure with the washers and snap ring to hold the spring arm on the post. Use snap ring pliers to install the snap ring inside the groove. Refer to FIGURE 2.9 and 2.10

SECTION TWO

NOTICE

Snap ring pliers are provided in the hardware package. Careful not to damage or bend the snap ring during installation.

STEP 5: Feed the wire harness and rotary cap back into the extension arm coupling. Slide forward and secure the cap with the phillips screw. Refer to FIGURE 2.11

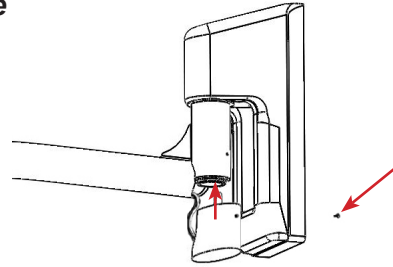


FIGURE 2.11 - Rotary Cap

Prelude Exam Light Head Installation - Wall Mount

NOTICE

The fixtures must be assembled and installed correctly before attempting to install the LED light head. Installing the light head before the fixture is assembled and installed could cause damage to the equipment.

Locate the retaining tab included with the spring arm fixture hardware kit. The retaining tab is used to secure the light head to the end of the spring arm.

STEP 1: Unscrew the sleeve lock screw to loosen the sleeve. Refer to FIGURE 2.12

STEP 2: Rotate the Sleeve aligning the notch with the slot in the arm. Refer to FIGURE 2.13

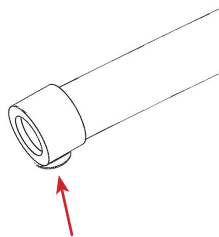


FIGURE 2.12 - Sleeve Lock Screw

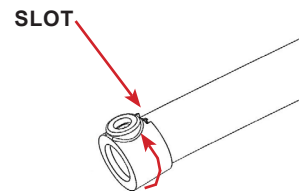


FIGURE 2.13 - Rotate Sleeve

STEP 3: Lubricate the pivot coupler using roller bearing grease and contact surfaces with conductive grease and contact surfaces with conductive grease. (e.g. Optimol)

NOTICE

Do NOT over grease the pivot coupler. Apply with a cotton swab, when connected to coupler, rotate fixture to evenly spread lubrication.

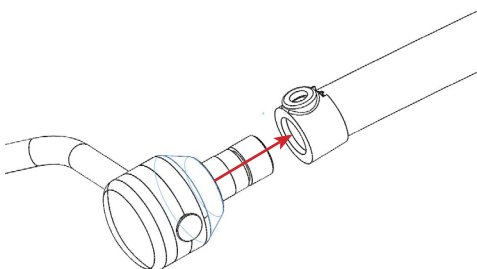


FIGURE 2.14 - Insert Light Head

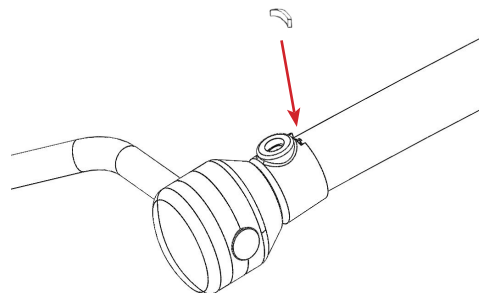


FIGURE 2.15 - Insert Retaining Tab

STEP 4: Slide the light head into the arm, aligning the slot in the light head assembly with the arm slot. Refer to FIGURE 2.14

STEP 5: Insert the retaining tab to secure the light head to the arm. Refer to FIGURE 2.15

STEP 6: Rotate the sleeve to secure the key in place, tighten the sleeve lock screw. Refer to FIGURE 2.16 and 2.17

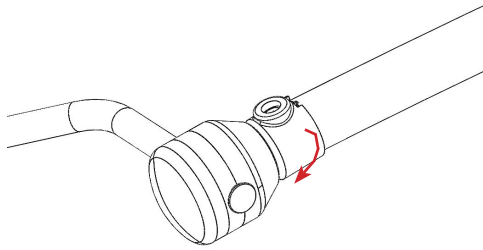


FIGURE 2.16 - Rotate Sleeve

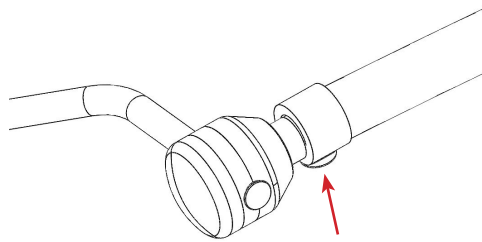


FIGURE 2.17 - Sleeve Lock Screw

STEP 7: Reconnect power and test light operation and spring arm functions.

Wall Mount - Spring arm Spring Tension Adjustment

The spring arm must be adjusted to compensate for the weight of the head unit and through normal use. The spring arm should be adjusted to hold the head unit device still once located to the desired position. If the spring arm moves down or springs up, adjust the spring arm to the correct spring tension.

Depending on the weight of the head unit the spring arm may lower or raise.



WARNING *The spring arm is equipped with a tension spring that holds the head unit and arm in place. WHEN INSTALLING OR REMOVING a head unit to the spring arm, MAINTAIN CONTROL OF THE ARM at all times. The spring arm can rotate downward or spring up suddenly which could cause **SERIOUS INJURY OR DEATH**.*

Le bras à ressort est équipé d'un ressort de tension qui maintient l'unité de tête et le bras en place. Lors de l'installation ou du retrait d'une unité principale sur le bras à ressort, maintenir la commande du bras à tout moment. Le bras à ressort peut pivoter vers le bas ou se soulever brusquement, ce qui pourrait provoquer des blessures graves ou la mort.



CAUTION *Only adjust the spring arm tension in the upper most position.*



PRÉCAUTION *Réglez seulement la tension du bras du ressort dans la position la plus haute. Over-tightening the tension screw can adversely affect the spring and cause irreparable damage to the equipment. Adjust in small increments and test performance between each adjustment.*

Le serrage excessif de la vis de tension peut nuire au ressort et causer des dommages irréparables à l'équipement. Ajuster par petites incréments et tester la performance entre chaque ajustement.

STEP 1: Remove the spring arm rotator joint cap by inserting a flat tip screwdriver and slightly pop the plastic cover from the joint assembly. Refer to FIGURE 2.18

STEP 2: Move the spring arm and end device to the upper most position.

STEP 3: Use a flathead screwdriver to adjust the spring arm tension.

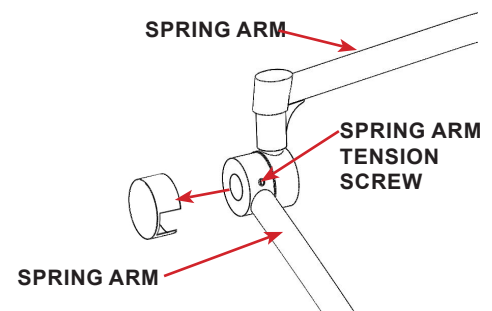


FIGURE 2.18 - Tension Adjustment

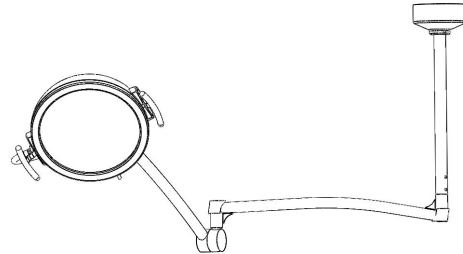
SECTION TWO

- A:** If the spring arm rotates downward, the tension force is set too low. Turn the adjustment screw counter clockwise a quarter turn, stop, test the tension. Repeat if required.
- B:** If the spring arm rotates, or springs upward, the tension is set too high. Turn the adjustment screw clockwise a quarter turn, stop, test the tension. Repeat if required.

Ceiling Mount Installation

The ceiling mount fixture is designed and manufactured by Ondal Medical Systems.

The mount and fixture arm are packaged separately, and are shipped with Ondal installation and operation manuals.



Refer to Ondal installation manuals for complete installation and assembly procedures.

Installation of an isolation circuit disconnect is required for direct connection configurations in accordance with IEC ES60601-1. Refer to FIGURE 1.8 for the electrical schematic of a direct connection isolation circuit.



PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS ISOLATE AND DISCONNECT all three poles. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Avant et pendant L'INSTALLATION et L'entretien, toujours isoler et déconnecter les trois poteaux. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

Installation and repair of the Prelude LED Light MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

L'Installation et la réparation de la lampe D'examen à DEL Prélude doivent être effectuées par un électricien qualifié. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

The site specific mount framing for the Prelude LED Exam Light MUST BE DESIGNED AND CERTIFIED BY A QUALIFIED STRUCTURAL ENGINEER. Failure to comply with this requirement could result in structural failure which, if not avoided, will result in SERIOUS INJURY OR DEATH.

La charpente de montage propre au site pour le feu D'examen à DEL Prélude doit être conçue et certifiée par un ingénieur en structure qualifié. Le non - respect de cette exigence pourrait entraîner une défaillance structurale qui, si elle n'est pas évitée, pourrait causer des blessures graves ou la mort.

Ceiling Mount - Base Installation

Installation techniques may vary depending on the building construction and desired installation location. The installer is responsible to provide any alternative mounting hardware required for other types of construction. The base mount must hold a minimum of 100 lb load. The shipping cartons contain a Prelude LED Exam light ceiling mount assembly, spring arm assembly, Prelude LED Exam Light and mounting plate.

NOTICE

The mounting plate is designed and provided for use with wood framing construction conditions, spanning between wood truss' at 16" on center. Do not use the mounting plate for other types of construction conditions.

- STEP 1:** Loosen the threaded pins and slide the base plate cover off the tube. Refer to FIGURE 2.19
- STEP 2:** Utilize the base plate hole template (see Ondal installation template) to mark hole locations, ensure proper blocking/framing is provided to support at least 100 lb load.
- STEP 3:** Refer to the anchor manufacturers recommendation for hole size, drill holes as required.

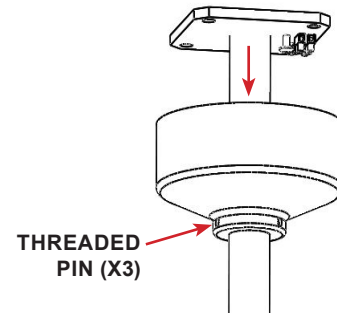


FIGURE 2.19 - Mount Base Cover

- STEP 4:** Following the anchor manufacturer's procedures, set and secure the anchor as recommended.

NOTICE

If a binding agent is used to anchor the base plate, allow the agent to set, harden completely before continuing with the installation.

Before installing the base plate, measure the length between the floor and the bottom of the post. Refer to Post Height Adjustment to shorten the post length to meet safety and code clearance requirements.

- STEP 5:** Align the base plate with the holes, insert hardware and secure the base plate. Refer to FIGURE 2.20
- STEP 6:** Route mains wiring into the base plate and through the cable clamp. Secure wiring leaving enough slack to reach the terminal block. Refer to FIGURE 2.21
- STEP 7:** Strip mains wiring and secure the power and neutral to the terminal block.
- STEP 8:** Strip the ground wire and connect to the ground terminal.
- STEP 9:** Reinstall the base plate cover.

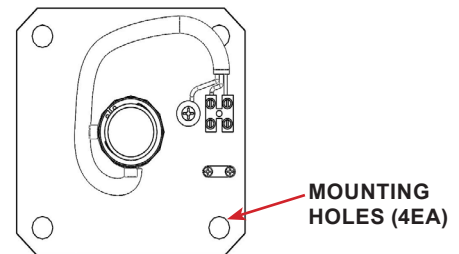


FIGURE 2.20 - Mounting Holes

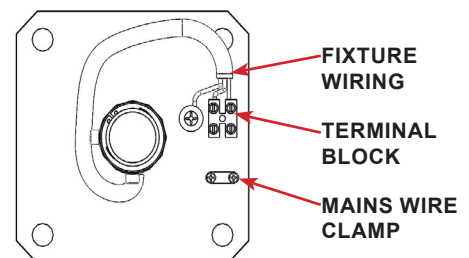


FIGURE 2.21 - Terminal Block

SECTION TWO

Ceiling Mount - Post Height Adjustment

Measure the length between the floor and the bottom of the post to ensure safety and code clearance requirements are met. The post can be cut raising the mounting height of the ceiling mount assembly.

⚠ DANGER *Failure to isolate and disconnect all three poles during installation, and making contact with energized wiring will result in **SERIOUS INJURY OR DEATH**.*

Le défaut d'isoler et de déconnecter les trois poteaux pendant l'installation et d'entrer en contact avec le câblage sous tension entraînera des blessures graves ou la mort.

STEP 1: Measure the distance between the floor surface to the required height on the post. Mark cut-line on post. Refer to FIGURE 2.22

STEP 2: Remove the three threaded pins holding the pivot pin in place. Refer to FIGURE 2.22

STEP 3: Remove the mains from the terminals, remove the pivot pin assembly from the spacer tube.

STEP 4: Cut the spacer tube, deburr as required to remove sharp edges. Refer to FIGURE 2.23

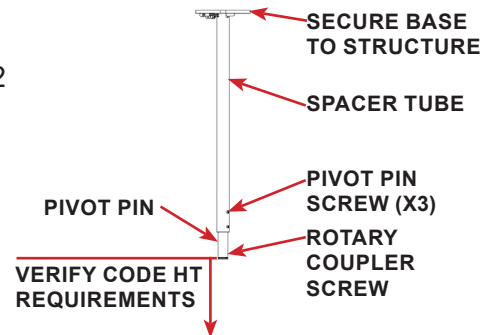


FIGURE 2.22 - Spacer Tube

⚠ WARNING *Stay clear of and **DO NOT TOUCH** exposed cut steel. Cutting steel can produce sharp or jagged edges which could cause serious lacerations which, if not avoided, could result in **SERIOUS INJURY OR DEATH**.*

⚠ AVERTISSEMENT *Restez à l'écart et ne touchez pas l'acier découpé exposé. La Coupe de l'acier peut produire des bords tranchants ou dentelés qui peuvent causer des lacérations graves qui, si elles ne sont pas évitées, peuvent causer des blessures graves ou la mort.*

⚠ CAUTION *Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in **MINOR TO MODERATE INJURY**.*

⚠ PRÉCAUTION *Évitez de pincer les mains lorsque vous déplacez des pièces qui, si elles ne sont pas évitées, pourraient causer des blessures légères à modérées.*

STEP 5: Use the hole location template to mark new hole locations on the post. Refer to FIGURE 2.24

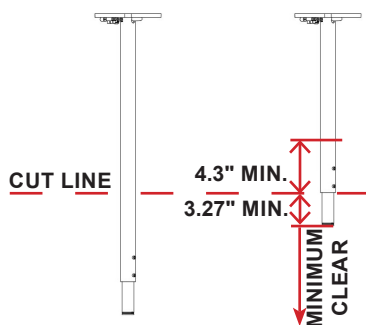


FIGURE 2.23 - Minimum Clearance

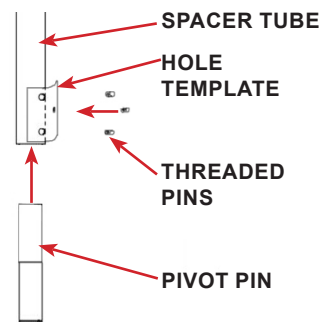


FIGURE 2.24 - Pivot Pin

STEP 6: Drill 5mm diameter holes, tap M6 threads in each hole.

STEP 7: Route the pivot pin wiring through the spacer tube.

STEP 8: Reconnect mains leads to the base terminals. Refer to FIGURE 2.21

STEP 9: Secure the pivot pin using the three threaded pins, ensure 4.3" of the spacer tube is exposed. Reinstall the base plate cover onto the spacer tube. Refer to FIGURE 2.24

Ceiling Mount - Extension/Spring arm Assembly

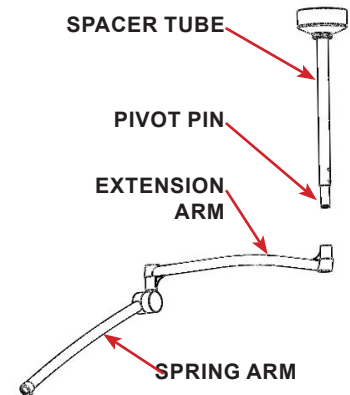
The extension arm end of the spring arm is secured to the pivot pin.



DANGER

PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS ISOLATE AND DISCONNECT all three poles. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Avant et pendant L'INSTALLATION et L'entretien, toujours isoler et déconnecter les trois poteaux. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.



STEP 1: Remove the phillips head screw on the spring arm rotary cap. Refer to FIGURE 2.25

STEP 2: Remove the spring arm rotary cap by tilting it forward and pulling outward. The rotary pin assembly is attached and will slide out with the cap. Refer to FIGURE 2.25

STEP 3: Lubricate the pivot coupler using roller bearing grease and contact surfaces with conductive grease. (e.g. Optimol)

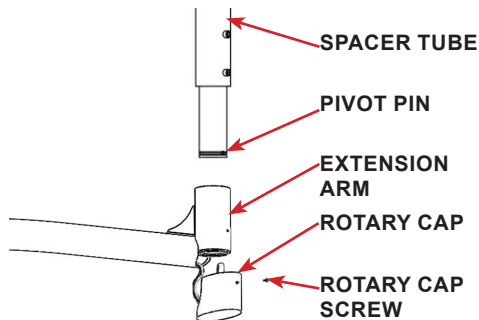


FIGURE 2.25 - Rotary Cap

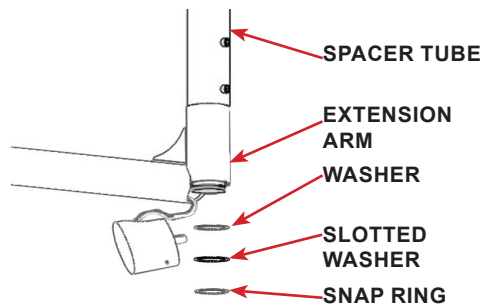


FIGURE 2.26 - Arm Installation



CAUTION

Keep hands clear of possible pinch areas when moving parts, which if not avoided, could result in MINOR TO MODERATE INJURY.



PRÉCAUTION

Évitez de pincer les mains lorsque vous déplacez des pièces qui, si elles ne sont pas évitées, pourraient causer des blessures légères à modérées.



NOTICE

Enlist the help of others to support the extension arm during the installation process. The light head should NOT be attached during the spring arm installation procedures.

STEP 4: Slide the extension arm onto the post, secure with the washers and snap retaining ring. (Snap ring pliers provided in hardware package) Refer to FIGURE 2.26

SECTION TWO

STEP 5: Feed the wire harness and rotary cap back into the extension arm coupler. Slide forward and secure with phillips screw. Refer to FIGURE 2.27

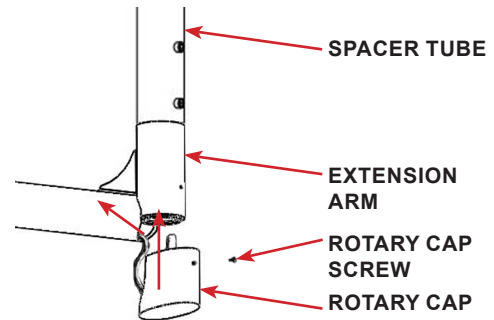


FIGURE 2.27 - Rotary Cap

Prelude LED Exam Light Head Installation - Ceiling Mount



DANGER Installation and repair of the Prelude LED Light **MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN**. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in **SERIOUS INJURY OR DEATH**.

L'installation et la réparation de la lampe Prelude LED doivent être effectuées par un électricien qualifié. Un contact avec le câblage électrique / sous tension peut causer un choc électrique ou un incendie, ce qui, s'il n'est pas évité, entraînera des blessures graves ou la mort.

The site specific mount framing for the Prelude LED Exam Light MUST BE DESIGNED AND CERTIFIED BY A QUALIFIED STRUCTURAL ENGINEER.

Failure to comply with this requirement could result in structural failure which, if not avoided, will result in SERIOUS INJURY OR DEATH.

La charpente de montage propre au site pour le feu D'examen à DEL Prélude doit être conçue et certifiée par un ingénieur en structure qualifié. Le non-respect de cette exigence pourrait entraîner une défaillance structurale qui, si elle n'est pas évitée, pourrait causer des blessures graves ou la mort.

NOTICE

The fixture must be assembled and installed correctly before attempting to install the LED light head. Installing the light head before the fixtures are assembled and installed could cause damage to the equipment.

Locate the retaining tab packed with the spring arm fixture hardware kit. The retaining tab is used to secure the light head in the arm.

STEP 1: Unscrew the sleeve lock screw to loosen the sleeve. Refer to FIGURE 2.28

STEP 2: Rotate the Sleeve aligning the notch with the slot in the arm. Refer to FIGURE 2.29

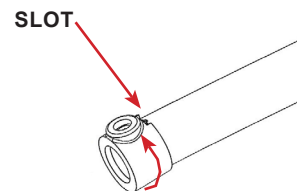
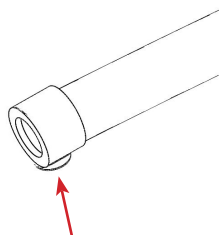


FIGURE 2.28 - Sleeve Lock Screw

FIGURE 2.29 - Rotate Sleeve

STEP 3: Lubricate the pivot coupler using roller bearing grease and contact surfaces with conductive grease. (e.g. Optimol)

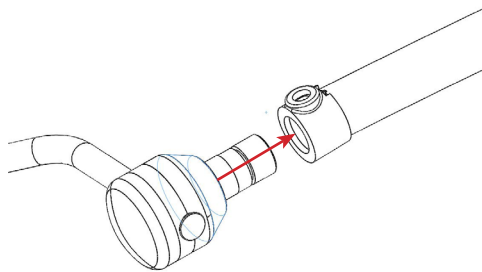


FIGURE 2.30 - Insert Light Head

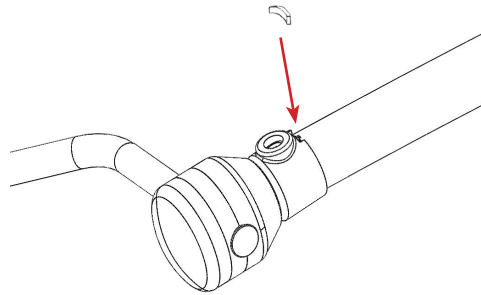


FIGURE 2.31 - Insert Retaining Tab

STEP 4: Slide the light head into the arm, aligning the slot in the light head assembly with the arm slot. Refer to FIGURE 2.30

STEP 5: Insert the retaining tab to secure the light head to the arm. Refer to FIGURE 2.31

STEP 6: Rotate the sleeve to secure the key in place, tighten the sleeve lock screw. Refer to FIGURE 2.32 and 2.33

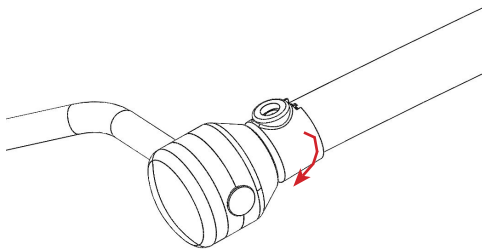


FIGURE 2.32 - Rotate Sleeve

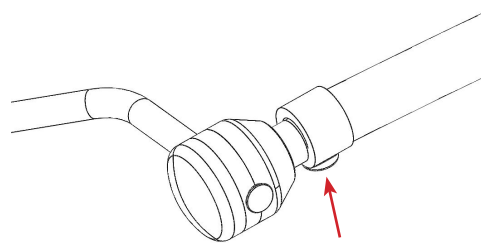


FIGURE 2.33 - Sleeve Lock Screw

STEP 7: Reconnect power and test light operation and spring arm functions.

Ceiling Mount - Spring arm Spring Tension Adjustment

The spring arm must be adjusted to compensate for the weight of the head unit and through normal use. The spring arm should be adjusted to hold the head unit device still once located to the desired position. If the spring arm moves down or springs up, adjust the spring arm to the correct spring tension.

Depending on the weight of the head unit the spring arm may lower or raise, not holding its position. Take special care during installation and removal of the head unit from the spring arm, as the spring arm could suddenly move down or up causing injury.



WARNING

The spring arm is equipped with a tension spring that holds the head unit and arm in place. WHEN INSTALLING OR REMOVING a head unit to the spring arm, MAINTAIN CONTROL OF THE ARM at all times. The spring arm can rotate downward or spring up suddenly which could cause SERIOUS INJURY OR DEATH.



AVERTISSEMENT

Le bras à ressort est équipé d'un ressort de tension qui maintient la tête et le bras en place. Lors de l'installation ou de la dépose d'une unité de tête sur le bras du ressort, gardez le contrôle du bras en tout temps. Le bras du ressort peut pivoter vers le bas ou surgir soudainement, ce qui pourrait causer des blessures graves ou la mort.

SECTION TWO



CAUTION Only adjust the spring arm tension in the upper most position.



PRÉCAUTION Réglez seulement la tension du bras du ressort dans la position la plus haute.

Over-tightening the tension screw can adversely affect the spring and cause irreparable damage to the equipment. Adjust in small increments and test performance.

Le serrage excessif de la vis de tension peut nuire au ressort et causer des dommages irréparables à l'équipement. Ajuster par petites incréments et tester la performance.

STEP 1: Remove the spring arm rotator joint cap by inserting a flat tip screwdriver and slightly pop the plastic cover from the joint assembly. Refer to FIGURE 2.34

STEP 2: Move the spring arm and end device to the upper most position.

STEP 3: Use a flathead screwdriver to adjust the spring arm tension.

A: If the spring arm rotates downward, the tension force is set too low.

Turn the adjustment screw counter clockwise a quarter turn, stop, test the tension. Repeat if required.

B: If the spring arm rotates, or springs upward, the tension is set too high. Turn the adjustment screw clockwise a quarter turn, stop, test the tension. Repeat if required.

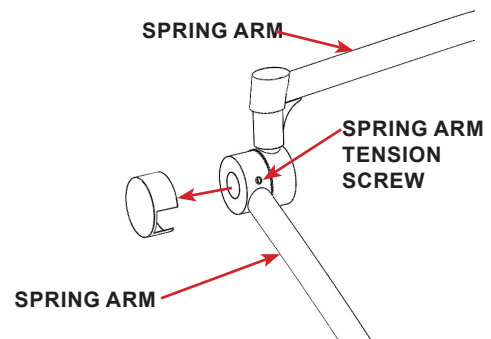


FIGURE 2.34 - Tension Adjustment

Mobile Installation

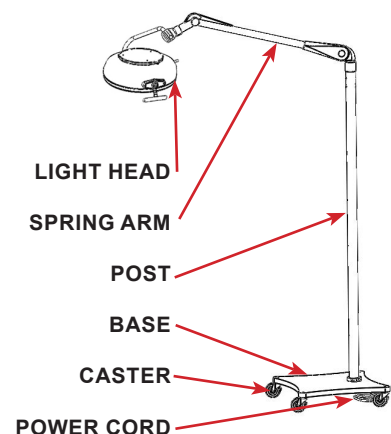
The mobile base, fixture arm and lamp head are packaged separately. The fixture arm is shipped with Ondal installation and operation manuals.

Refer to Ondal installation manuals for complete installation and assembly of the fixture arm.



DANGER Do NOT plug in power cord until the installation is complete and the equipment is ready to be tested. Contact with electrical/live circuit wiring can cause electrical shock, which, if not avoided, will result in **SERIOUS INJURY OR DEATH**.

Ne branchez pas le cordon d'alimentation tant que l'installation n'est pas terminée et que l'équipement n'est pas prêt à être testé. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.



Mobile - Base Installation

The floor base, upright post and casters are pre-assembled. The upright post and arm assembly are pre-wired.

There are 4 casters installed on the base, two casters are equipped with position locking devices. Refer to FIGURE 2.35

The mobile base is equipped with a 6' long power cord. Do not use extension cords.

NOTICE

Do NOT remove the four screws at the top of the upright post that secure the internal wiring mechanism, rotary coupler. Removing the screws will cause the mechanism to slide down inside the post, causing electrical connectivity failure. Refer to FIGURE 2.36

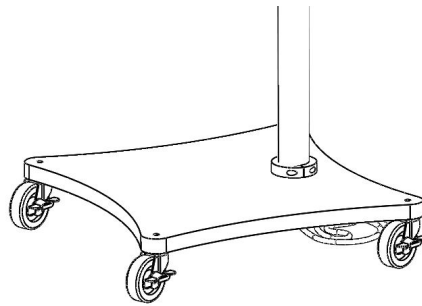


FIGURE 2.35 - Mobile Base

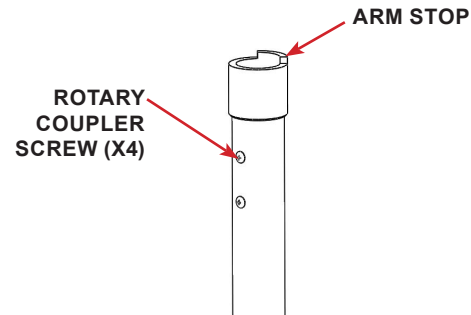


FIGURE 2.36 - Post Top

Mobile - Spring arm Installation

The spring arm attaches to the post. There is an arm stop located at the top of the post that prevents the arm from moving more than 160 degrees, which maintains the stability of the mobile fixture. Refer to FIGURE 2.36

**DANGER**

PRIOR TO AND DURING INSTALLATION AND MAINTENANCE, ALWAYS ISOLATE AND DISCONNECT all three poles. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.

Avant et pendant L'INSTALLATION et L'entretien, toujours isoler et déconnecter les trois poteaux. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.

STEP 1: Lubricate the pivot pin using roller bearing grease and contact surfaces with conductive grease. (e.g. Optimol)

STEP 2: Slide the extension arm through the washer and into the post. Refer to FIGURE 2.37

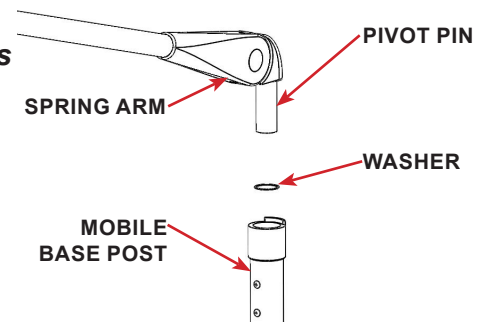


FIGURE 2.37 - Spring arm Assembly

SECTION TWO

Prelude Exam Light Head Installation - Mobile Mount



WARNING

Installation and repair of the Prelude LED Light MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN. Contact with electrical/live circuit wiring can cause electrical shock or fire, which, if not avoided, will result in SERIOUS INJURY OR DEATH.



AVERTISSEMENT

L'Installation et la réparation de la lampe D'examen à DEL Préluce doivent être effectuées par un électricien qualifié. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique ou un incendie qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.



WARNING

The site specific mount framing for the Prelude LED Exam Light MUST BE DESIGNED AND CERTIFIED BY A QUALIFIED STRUCTURAL ENGINEER. Failure to comply with this requirement could result in structural failure which, if not avoided, will result in SERIOUS INJURY OR DEATH.



AVERTISSEMENT

La charpente de montage propre au site pour le feu D'examen à DEL Préluce doit être conçue et certifiée par un ingénieur en structure qualifié. Le non - respect de cette exigence pourrait entraîner une défaillance structurale qui, si elle n'est pas évitée, pourrait causer des blessures graves ou la mort.

The lamp head is inserted and locked in place at the end of the spring arm. There is a rotary pin assembly for electrical connections.

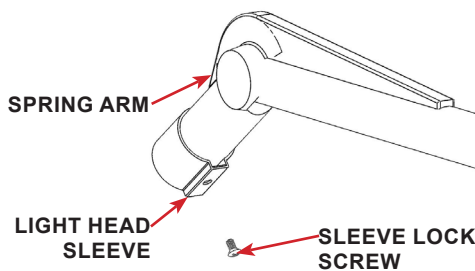


FIGURE 2.38 - Light Head Sleeve

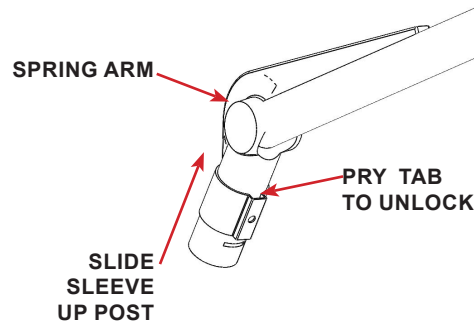


FIGURE 2.39 - Unlock Sleeve

STEP 1: Remove the phillips head screw and remove the lock washer. Refer to FIGURE 2.38

STEP 2: Using a flat tip screwdriver insert and push the locking tab outwards to unlock the sleeve. Slide the sleeve up the shaft to expose the retaining tab. Refer to FIGURE 2.39

NOTICE

The sleeve will not move until the tab is completely unlocked.

If there is a head unit attached to the spring arm, maintain control of the arm/head unit during these processes. The head unit can slip out of the coupler when the retaining tab is removed.

STEP 3: Remove the retaining tab from the slot in the spring arm. Refer to FIGURE 2.40

STEP 4: Remove the protective plastic cap on the end of the lamp assembly.

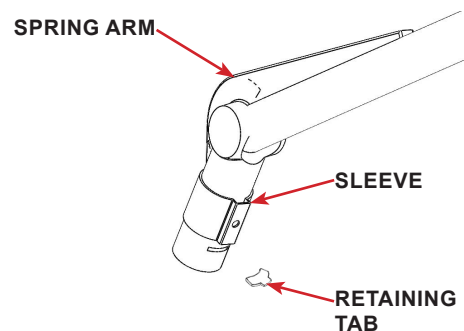


FIGURE 2.40 - Retaining Tab

STEP 5: Lubricate the head slip ring using roller bearing grease. (e.g. Optimol)

STEP 6: Insert the light head slip ring attachment into the spring arm receptacle and align the slot with the groove on the light head assembly, insert and hold in place, the retaining tab. Refer to FIGURE 2.40 and 2.41

NOTICE

Pull slightly on the light head assembly to ensure it is locked in place by the metal clip. If the light head slides out, repeat step 6.

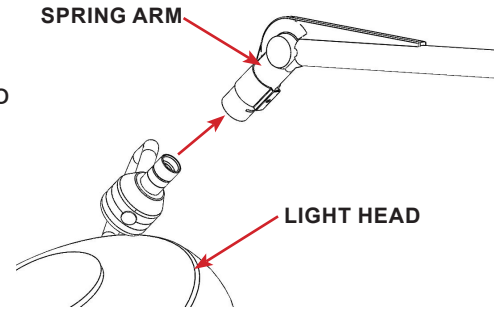


FIGURE 2.41 - Light Head Installation

STEP 7: Slide the sleeve to lock the metal tab in place, listen for click to verify the sleeve is locked. Refer to FIGURE 2.42

STEP 8: Secure the sleeve by screwing in the phillips head screw and lock washer. Refer to FIGURE 2.43

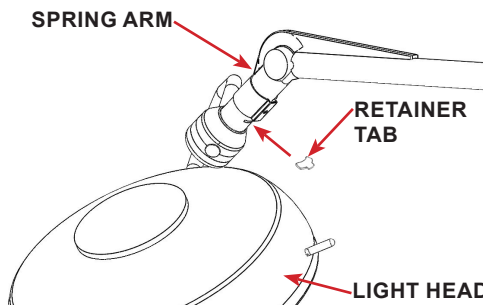


FIGURE 2.42 - Retainer Tab

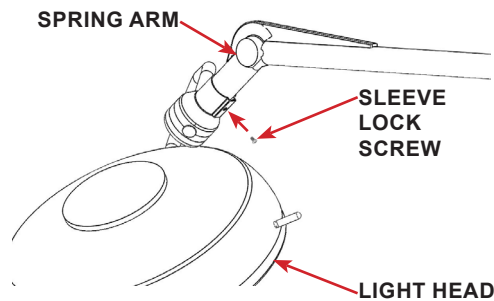


FIGURE 2.43 - Retainer Tab

NOTICE

Enlist help to hold, maintain control of the spring arm and mobile base when removing the spring arm lock tab.

STEP 9: Remove the screw and spring arm lock tab. Refer to FIGURE 2.44

STEP 10: Plug in the mobile unit and check light functionality before proceeding.

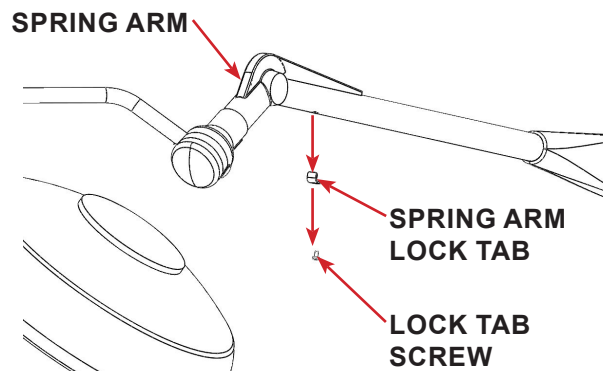


FIGURE 2.44 - Spring arm Transit Lock Tab

SECTION TWO

Mobile Mount - Spring arm Spring Tension Adjustment

The spring arm must be adjusted to compensate for the weight of the head unit and due to normal use. The spring arm should be adjusted to hold the head unit device still once located to the desired position. If the spring arm moves down or springs up, adjust the spring arm to the correct spring tension.

Depending on the weight of the head unit the spring arm may lower or raise, not holding its position. Take special care during installation and removal of the head unit from the spring arm, as the spring arm could suddenly move down or up causing injury.



WARNING

The spring arm is equipped with a tension spring that holds the head unit and arm in place. WHEN INSTALLING OR REMOVING a head unit to the spring arm, MAINTAIN CONTROL OF THE ARM at all times. The spring arm can rotate downward or spring up suddenly which could cause SERIOUS INJURY OR DEATH.



AVERTISSEMENT

Le bras à ressort est équipé d'un ressort de tension qui maintient la tête et le bras en place. Lors de l'installation ou de la dépose d'une unité de tête sur le bras du ressort, gardez le contrôle du bras en tout temps. Le bras du ressort peut pivoter vers le bas ou surgir soudainement, ce qui pourrait causer des blessures graves ou la mort.



CAUTION

Only adjust the spring arm tension in the upper most position.

Réglez seulement la tension du bras du ressort dans la position la plus haute.



PRÉCAUTION

Over-tightening the tension wheel can adversely affect the spring and cause irreparable damage to the equipment. Adjust in small increments and test performance.

Un serrage excessif de la roue de tension peut nuire au ressort et causer des dommages irréparables à l'équipement. Ajuster par petites incréments et tester la performance.

- STEP 1:** Flip the cover up, exposing the adjuster tool and tension wheel slots. Remove the adjuster tool. Refer to FIGURE 2.45
- STEP 2:** Move the spring arm and end device to the upper most position.
- STEP 3:** Use the adjuster tool to rotate the tension wheel to the left or right, depending on the adjustments needed. Rotate in the direction of the "+" symbol to increase the tension and rotate in the direction of the "-" to decrease the tension.

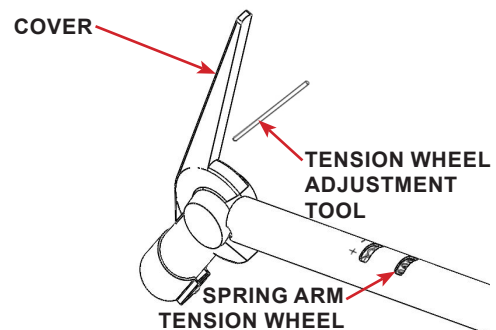


FIGURE 2.45 - Tension Adjustment

- A:** If the spring arm rotates downward, the tension force is set too low.
Turn the adjustment wheel in the direction of the "+" symbol a quarter turn, stop, test the tension. Repeat if required.
- B:** If the spring arm rotates or springs upward, the tension is set too high.
Turn the adjustment wheel in the direction of the "-" symbol a quarter turn, stop, test the tension. Repeat if required.

Prelude LED Exam Light Use And Care

Operation



DANGER *DO NOT plug in power cord until the installation is complete and the equipment is ready to be tested. Contact with electrical/live circuit wiring can cause electrical shock, which, if not avoided, will result in **SERIOUS INJURY OR DEATH**.*

Ne branchez pas le cordon d'alimentation tant que l'installation n'est pas terminée et que l'équipement n'est pas prêt à être testé. Le Contact avec le câblage du circuit électrique / sous tension peut causer un choc électrique qui, s'il n'est pas évité, peut causer des blessures graves ou la mort.



WARNING *Do NOT drape or hang the power cord, avoid tripping hazards.*



AVERTISSEMENT *Ne pas Draper ou accrocher le cordon d'alimentation, éviter les risques de trébucher.*

Once power is provided to the LED Exam Light, cycle through the light switch positions to become familiar with the light functions.

LED Exam Light Function Switch

The Prelude LED Exam Light head is equipped with a three position toggle switch which controls light intensity: Left position = HIGH, center position = OFF, and the right position = LOW. Refer to FIGURE 3.1, FIGURE 3.2, and FIGURE 3.3

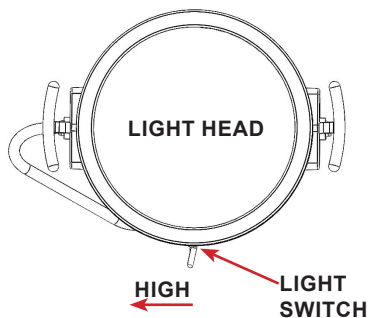


FIGURE 3.1 - High Position

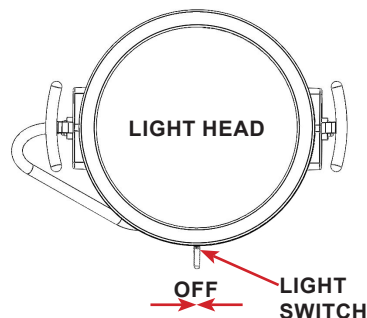


FIGURE 3.2 - Off Position

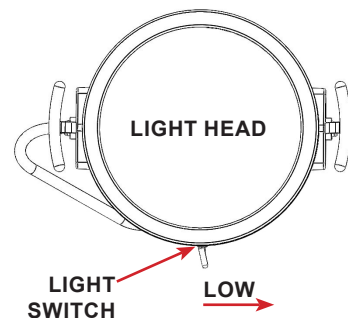


FIGURE 3.3 - Low Position

Product Care

Cleaning Product Surfaces



NOTICE *Routine maintenance will extend the quality and life of the Prelude LED Exam Light and aids in protecting animals from transmittable diseases and infections.*

It is the owners responsibility to set-up scheduled cleaning programs, depending on use of the equipment. Scheduled preventive cleaning and maintenance steps should include, but not limited to the following procedures:

- Daily or weekly cleaning of products to prolong its longevity and to help maintain finishes.
- Use the mildest cleaning procedure that will complete the job effectively.



NOTICE *Steel wool or steel brushes should never be used to clean plastic surfaces, avoid abrasive cleaning supplies.*

Transport and store 4° to 122° F (-20° to 50° C) and 10-90% relative humidity.

Follow best management practices and recognized requirements for hygiene, cleaning, and disinfection.

SECTION FOUR

Terms And Conditions

Shor-Line's TERMS AND CONDITIONS can be found at shor-line.com

Damaged Freight Procedures

Freight Claim - Contact the technical services department toll-free at 1.800.444.1579

To file a freight claim:

Inspect ALL packages upon arrival. If containers show evidence of damage when delivered, the packages should be opened and inspected before the carrier leaves. The shipment should be inventoried and inspected jointly by the customer and the carrier. The driver will then make proper notation on the delivery receipt.

Customer must inspect all materials for shortages, damages, conformity with the order, and defects before signing any documentation requested by the carrier. Customer must immediately complete such inspection and shall not accept delivery of goods that are damaged or not in accordance with the bill of lading or packing slip without proper notification to the carrier and Shor-Line. If products are damaged, defective, shorted or appear not to conform to the order, Customer shall discontinue their use and immediately notify the carrier and Shor-Line of such condition and afford a reasonable opportunity to inspect the same.

Customer shall make, or provide Shor-Line in writing with all information necessary to make a claim against such carrier for any shortage, damage, or discrepancy of the shipment within fifteen (15) days after receipt of the products. Claims or written information thereon not so presented within fifteen (15) days after receipt of the products will not be allowed. No returned products will be accepted, credited or replaced, unless arrangements for their return have been made in compliance with Shor-Line's Return Policy.

If containers do not show evidence of damage, there may be "concealed damage". Customer must report any concealed damage within 15 days after receipt of the shipment. Such report is to be made directly to Shor-Line's Traffic Department who will file a claim with the carrier. All packaging and contents must be held for this inspection.

STEP 1: Customer must check goods, contents against packing slip, weight against bill of lading, containers, etc.

STEP 2: Customer fills out "Inspection Report of Loss or Damage Discovered After Delivery".

STEP 3: Customer is to sign the report form. A copy is left with the customer and should be forwarded to Shor-Line's traffic department to file a claim.

STEP 4: Call Shor-Line's Traffic Department to file a claim (1.800.444.1579). Shor-Line will arrange pick-up, return shipment, and replacement of the product.

Return Policy & Repairs - All products being returned for any reason or delivered for repair service (whether or not pursuant to the Limited Warranty) must receive advance authorization from Shor-Line. Customer must contact Shor-Line's Technical Service Department at 1.800.444.1579 to receive a Return Authorization Number. All products returned, except for warranty service or pursuant to the Product Satisfaction policy, are subject to a minimum 15% restocking charge. Customer will be responsible for all freight charges on returns.

Return Product Authorization - To assure efficient handling on damaged or defective equipment, or repairs, please contact our Technical Service Department for Return Product Authorization (1.800.444.1579). Failure to obtain Return Product Authorization will only delay processing and may result in the denial of any repair, replacement or credit.

Repairs - It is mandatory to contact Technical Service Department at 1.800.444.1579 prior to sending product for repair.

Limited Warranty

In the event the Customer is not fully satisfied with the quality or workmanship of a product, Shor-Line in its sole discretion may arrange either to credit Customer's account (excluding shipping and handling costs) or replace the product. However, Customer must notify Shor-Line in writing of its dissatisfaction within fifteen (15) days of receipt of the product from Shor-Line. Customer must also return the rejected product to Shor-Line (freight paid) within thirty (30) days of its receipt in compliance with Shor-Line's Return Policy (See Section 4). Shor-Line's obligation is limited to providing the applicable credit or product replacement, which will be processed only after receipt of the returned product. In addition, this Product Satisfaction Policy does not apply to specially designed, discontinued, used, factory second or repaired products.

SHOR-LINE warrants to the initial purchaser only of products manufactured by it that such products are free from defects in materials or labor for varying periods depending on the particular product and subject to the limitations and conditions set forth herein. SHOR-LINE's stainless steel products are warranted to be free from such defects for their normal useful life. SHOR-LINE's mechanical and electrical products, parts, devices and components (including such parts, devices and components of stainless steel products), and other non-stainless steel products are warranted to be free from such defects for one year. SHOR-LINE disclaims any express or implied warranty for products not manufactured by SHOR-LINE and the only warranty available therefor to customer is that offered by the products' manufacturers.

The warranty period shall run from the date of delivery to customer. If within the applicable warranty period a product proves to be defective as described herein, SHOR-LINE will repair or replace the product, at SHOR-LINE's sole discretion, conditional upon customer's written notice of the defect within fifteen (15) days after its discovery and compliance with applicable return procedures. Upon receipt of customer's notice including substantiation of customer's status as the initial purchaser and details of the defect, SHOR-LINE shall advise customer whether it plans to repair or replace the product. SHOR-LINE's obligation is solely limited to repair or replacement of a defective product and in no event shall SHOR-LINE be liable for transportation from or to SHOR-LINE's offices or any other expense which may arise in connection with this limited warranty or the aforementioned product satisfaction policy.

SHOR-LINE makes no other warranty or guarantee of any kind whatsoever, whether expressed or implied, statutory or otherwise including, but not limited to implied warranties of fitness and or merchantability. The above limited warranty constitutes SHOR-LINE's only warranty and no person or entity is authorized, on behalf of SHOR-LINE, to modify or expand upon the provisions expressed in the limited warranty statement. SHOR-LINE's liability under this limited warranty shall be limited as provided for above and the foregoing shall be the customers sole remedy and recourse under this contract. There are no warranties, which extend beyond the description on the face hereof and goods are sold as-is. SHOR-LINE's limited warranty is only available to the initial purchaser of its products.

Customer agrees to comply with all instructions and specifications furnished by SHOR-LINE relating to installation, care and application of products sold. Customer agrees that it will not modify, misapply, or misuse such products in any manner including one that would deviate from the products' intended use. Any repairs, alterations or service provided by parties other than SHOR-LINE, or its authorized representative may void this limited warranty. This limited warranty shall not apply to normal wear and tear, damage caused by accident, negligence, improper operation, or the use of the corrosive material (including without limitation bleach-sodium hypochlorite) on stainless steel surfaces. SHOR-LINE's limited warranty made in connection with this sale shall not be effective and shall be void unless such goods are applied and used in accordance with SHOR-LINE's instructions.

Limitation Of Liability

Under no circumstances shall SHOR-LINE be liable to buyer or any other person for any special liquidated, incidental or consequential damages, including, without limitation, damages based upon lost goodwill, lost sales or profits, work stoppage, delay, product failure, impairment of goods or otherwise and whether arising out of breach of warranty, breach of contract, negligence or otherwise, and in any case, SHOR-LINE's liability for any and all losses and damages sustained by buyer and others, rising out of or by reason of this contract, shall not exceed the original purchase price of the products upon which liability is founded. In no event shall any action be commenced against SHOR-LINE more than one year after the cause of action with respect to which the claim is made has occurred. SHOR-LINE shall not be responsible for expenses for repairs not made by SHOR-LINE without the prior written consent of SHOR-LINE. Product specifications are subject to change without any notice or obligation on the part of SHOR-LINE.

MARCH 2019

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