



Installation and maintenance manual for arm based products





English

Do not connect to a temporary electricity supply. This may damage the electronics.

Norsk

Tilslutt ikke armaturen til midlertidig byggestrøm. Dette kan skade elektronikken.

Svenska

Anslut inte armaturen till tillfällig byggeström. Detta kan skada elektroniken.

Deutsch

Nicht an unsauberes Netz (Baustrom) anschliessen. Die elektronischen Bauteile können dadurch beschädigt werden.

Suomi

Älä kytke väliaikaiseen virtalähteeseen. Tämä voi vioittaa elektroniikkaa.

Eesti

Ära kasuta ajutist toiteahelat. See võib põhjustada vigastusi elektroonikale.

Nederlands

Sluit niet aan op een tijdelijke elektriciteitsvoorziening. Dit kan de elektronica beschadigen.

Dansk

Tilslut ikke armaturet til midlertidig byggestrøm. Dette kan skade elektronikken.



English

Our products are subject to the Directive 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) and should, at the end of their lifespan, always be collected separately and brought to the appropriate collection point in your community or region.

Norsk

Våre produkter er underlagt direktiv 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) og skal etter endt levetid leveres til mottak for slikt avfall eller til en forhandler av slikt avfall.

Svenska

Våra produkter omfattas av direktivet 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) och skall vid slutet av sin livsängd alltid samlas in och levereras till återvinningsstation i din kommun eller region.

Deutsch

Unsere Produkte unterliegen der Richtlinie 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) und müssen am Ende Ihrer Lebensdauer, separate gesammelt und zu Sammelstellen in Ihrer Gemeinde oder Region gebracht werden.

Suomi

Tuote kuuluu elektronisten laitteiden jätteenkäsittelyä (WEEE) koskevan direktiivin 2012/19/EU piiriin ja elinkaaren lopussa oleva tuote tulee toimittaa asiaankuuluvaan keräyspisteeseen.

Eesti

Meie toodetele kohaldub elektri- ja elektroonikajäätmete direktiiv 2012/19/EU, mille kohaselt tuleb nad elutsükli lõpus alati eraldi kokku koguda ning toimetada sinu piirkonna ohtlike jäätmete kogumispunkti.

Nederlands

Onze producten zijn onderworpen aan de Richtlijn 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) en moeten aan het einde van hun levensduur apart ingezameld en naar het juiste inzameelpunt gebracht worden in uw gemeente of regio.

Dansk

Vores produkter er underlagt direktiv 2012/19/EU (Waste Electrical and Electronic Equipment - WEEE) og skal efter levetid leveres til modtagere for sådan type affald eller til en forhandler af sådan affald.



English

LED are sensitive to electrostatic discharge.
Do not touch the surface of the LED module.

Norsk

LED er følsomme for statisk elektrisitet.
Berør ikke overflaten på LED modulen.

Svenska

LED är känslig för elektrostatisk urladdning.
Rör inte ytan på LED modulen.

Deutsch

LED sind empfindliche, statisch elektrische
Entladungen. Nicht die Oberfläche des
LED-Moduls berühren.

Suomi

LED-valonlähteet ovat herkkiä staattisille
sähköpurkauksille. Älä kosketa
LED-moduleja!

Eesti

Leed on tundlik elektrostaatiliste
laengutele. Ära puuduta leedmoduli pinda.

Nederlands

LED's zijn gevoelig voor elektrostatische
ontlading. Raak het oppervlak van de LED-
module niet aan.

Dansk

LED-moduler er følsomme overfor statisk
electricitet. Rør ikke ved LED-modulernes
overflade.



English

The light source contained in this luminaire
shall only be replaced by the manufacturer
or his service agent or a similar qualified
person.
Live parts inside – RISK OF ELECTRIC
SHOCK

Norsk

lyskilden i denne armaturen skal kun byttes
av Glamox, Glamox sin serviceansvarlig
eller en tilsvarende kvalifisert person.
Strømførende deler på innsiden – FARE FOR
ELEKTRISK STØT

Svenska

Ljuskällan i denna armatur får endast
bytas ut i Glamox fabriker, av Glamox
servicetekniker eller motsvarande
kvalificerad personal.
Strömförande delar på insidan – RISK FÖR
ELSTÖTAR

Deutsch

Die enthaltene Lichtquelle in dieser Leuchte
darf nur durch den Hersteller, seinen
Kundendienst oder eine ähnlich qualifizierte
Person ersetzt werden.
Stromführende Teile im Innern – GEFAHR
EINES ELEKTRISCHEN SCHLAGS

Suomi

Tämän valaisimen valonlähteen saa vaihtaa
ainoastaan valaisimen valmistaja, valtuutettu
huoltoliike tai vastaava pätevyity henkilö.
Jännitteisiä osia – SÄHKÖISKUVAARA

Eesti

Selle valgusti valgusallikat võib
asendada ainult tootja, tema lepinguline
hoolduspartner või sarnane kvalifitseeritud
personal.
Sisaldab pingestatud komponente –
ELEKTRILÕÕGI OHT

Nederlands

De lichtbron in dit armatuur mag alleen
vervangen worden door de fabrikant,
zijn servicedienst of een soortgelijk
gekwalificeerd persoon.
Stroomvoerende delen binnenin – GEVAAR
VAN ELEKTRISCHE SCHOK

Dansk

lyskilden i dette armatur må kun udskiftes
af Glamox, Glamox servicepartner eller
tilsvarende kvalificeret person.
Invendige strømførende dele – FARE FOR
ELEKTRISK STØD

Safety

General

Luxo is only responsible for the luminaire when installation, maintenance, repairs or alterations are performed by Luxo or by personnel who are qualified for such work.

If the luminaires external flexible cable or cord is damaged, it must be exclusively replaced by the manufacturer or a qualified technician to reduce the risk of injury. Any repairs of the arm must be carried out by Luxo or personnel authorized by Luxo.

Products consist of spring-loaded arms, which can do harm to people and property during service, if misused.

Spring loaded arm

This product has a spring-loaded arm. Ensure therefore that the mounting is done according to the recommendations in the chapter assembly.

Applying a load beyond what the spring-balancing arm is designed for, the arm function can be damaged and product functionality cease. Therefore avoid such strain. Product with damages resulting in decreased functionality shall be removed from service until the damage is repaired.

Sun protection for illuminated magnifiers

The glass in illuminated magnifiers can if exposed to strong direct sunlight provide a source of unwanted concentrated heat. The product should therefore not be placed in direct sunlight without sun protection being used.

Mounting

General

To prevent damage to materials or personal injury during installing a product with a spring-loaded arm, attach to the table, wall, ceiling bracket or floor stand. Place the product in the bracket, remove the protective plastic or rubber-band, and fold the product carefully. Use only original accessories supplied by Luxo. An overview of accessories are available on our website. The lifetime and functionality cannot be guaranteed by the use of third-party accessories.

Upon assembly of products for wall or ceiling brackets, make sure that the material the product is attached to have the sufficient capacity. Calculated force in normal use is specified in the user manual for each bracket. Luxo does not take responsibility for fixing the brackets.

IMPORTANT:

A Luxo arm should be mounted so that it is easy to operate, without inflicting joints or other structural components and abnormal force. Limited force is required to move a spring-balanced arm from Luxo.

Most of our task lights have an asymmetric light distribution. This means that the light is distributed evenly and at an angle across the work surface. This reduces the risk of glare and avoids distracting users or others present in the room. To take advantage of the effect of asymmetrical light it is important that the fixture be placed next to the user. For more information, see our website or contact your Luxo representative.

Sensors

Luminaires with an integrated sensor always come with a separate user manual enclosed. Please use this manual to change the factory default values. User manuals may be downloaded from the 'Download' section on our website.

When luminaires have an integrated sensor, it is important to ensure that the sensor detection view is not obstructed. The sensor must be positioned correctly in relation to the area it is to cover.

Other parts of the building, modifications, redecoration or reflective surfaces may affect the function of the integrated sensor.

Timer

Luminaire with integrated timer always has attached separate user manual. Please use this for changing the factory pre-set values. Manuals can be downloaded from our web page.

Instructions for use of the product with spring-balanced arm

The product should be installed so that normal use is within the product's intended application and that there is no intentional limitation of arm movement. Avoid using the arm so that the arm tubes merge and / or arm movement is repeatedly caught against its end stop. Such movement may cause fracture that may cause injury to the user or people and equipment close to the product.

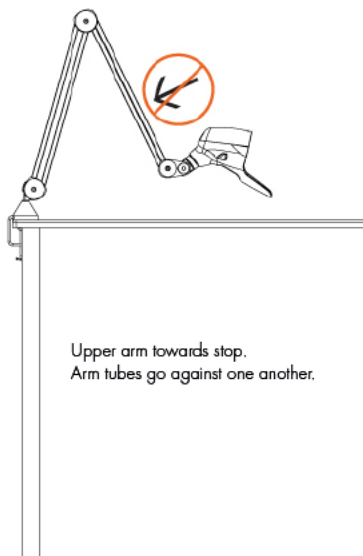
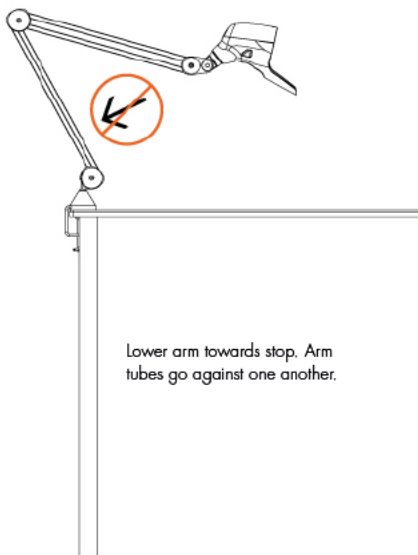
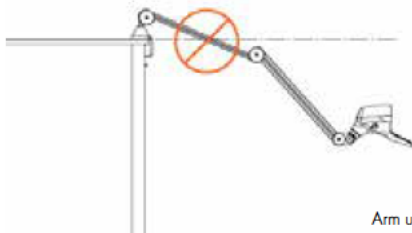


Table arm

A table arm is designed to be installed so that normal working use is above the mounting bracket horizontal level.



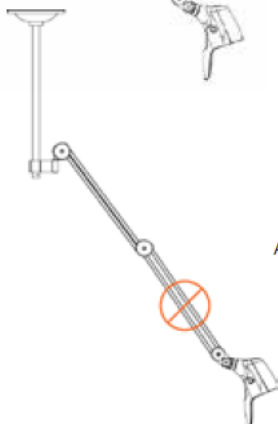
Wall arm

A wall arm is intended to be mounted so that normal working use is under the wall bracket horizontal level. Be sure that the bracket isn't mounted too high so the product will be subjected to unnecessary force in the lower range of normal use.



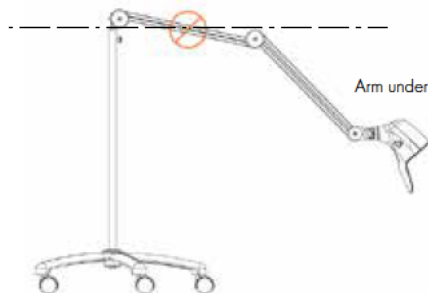
Ceiling arm

An arm designed for ceiling mount should be mounted at a corresponding installation height for a wall arm. Be sure that the bracket isn't mounted too high so the product would be subjected to unnecessary force in the lower range of normal use.



Trolley

An arm designed for installation in trolleys should have its main work area corresponding to a table arm, over the mounting bracket horizontal level.



Maintenance

General

The lifetime of the driver/ballast is influenced by temperature and the quality of the supply voltage. Rated failure of the components is 0,2% per 1000 hours at the luminaires maximum allowed ambient temperature. Mains supply transients and spikes, as well as connection to disturbed mains supply, will drastically reduce lifetime.

Cleaning

Regular cleaning of luminaires is essential for optimal lighting. Luminaires are cleaned in a de-energized state. Electrical components and connections should not be exposed to water or moisture. Be aware that LED luminaires are sensitive to electrostatic discharge (ESD).

Cleaning intervals are normally consistent with those planned during the project planning.

Luminaires can be cleaned with a neutral detergent (pH 7) mixed in lukewarm water. The mixture is to be applied with a soft cloth, sponge or similar. After cleaning, soap residues should be removed using a soft clean cloth dampened with water. Do not spray detergent direct onto the luminaires as residual detergent may penetrate and harm electrical components, reflector or optic. Organic solvent based, strongly alkaline detergents as well as ammonia-based detergents should be avoided, as they can damage components in short and long term. This especially applies for components produced in synthetic materials such as plastic.

LED-luminaires

LED-Luminaires have a tolerance in their light output of +10%. As for conventional light sources LED light sources will have a reduction in light output during their lifetime. When exchanging an LED luminaire with a new one you may be able to see a difference in light output compared with the old luminaires. This is a consequence of technical changes and improved light output, new LED-luminaires may have slightly different lighting qualities compared to the old ones.

LUXO LED luminaires have an estimated life time [xx] of minimum 50.000h at max luminaire ambient temperature. [xx = % rest light after estimated life time]. If a failure occurs to an LED light source before the luminaire lifetime has ended it is advisable to change the whole luminaire.

As with conventional light sources you may perceive variations in colour temperature between luminaires mounted close together (cluster). Colour tolerances for LED light sources are normally better or the same as for conventional light sources.

All relevant information is to be found on our WEB-pages.

Replacement of interchangeable light sources

Always use gloves when replacing light sources so that you do not leave fingerprints on the reflecting surface. Light sources should be replaced when the luminaires are in a de-energized state. The light sources being replaced must be replaced with similar ones in order to maintain the characteristics of the luminaires.

Light sources at the end of their service life can produce heat above the expected level. This can damage luminaires' components. It is always financially wise to plan the replacement of light sources in groups. Check the lifetime of the light source you use on our website or consult your light sources supplier. Then plan the intervals at which you want to replace your light sources. Some light sources are likely to fail before their indicated lifetime and may have to be replaced before the planned group replacement.

Replacing driver / ballast

The lifetime of the driver/ballast is influenced by temperature and the quality of the supply voltage. Rated failure of the components is 0,2% per 1000 hours at the luminaires maximum allowed ambient temperature. However, a loss of around 10% may be expected during this period. Mains supply transients and spikes, as well as connection to disturbed mains supply, will drastically reduce lifetime.

Electronic drivers / ballasts should be replaced by qualified personnel and always when the luminaires have been de-energized. For LED luminaires it is important to establish an EPA (Electrostatic Protected Area) before any replacement of driver is conducted. This is due to that LED light sources are sensitive to electrostatic discharge (ESD). For fluorescent luminaires it is recommended that light sources are replaced and the luminaires are tested before an attempt is made to replace electronic ballast.