

DARAY[®]

Medical



X200LED

Medical Examination Light Manual

DARAY[®] Medical

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DARAY Ltd make every effort to ensure that the information in this document is correct and accurate, however, we cannot be held responsible for errors and omissions. DARAY Ltd reserves the right to alter specifications and to add and withdraw products without notice.

1. GENERAL DESCRIPTION

DARAY's X200LED is a state-of-the art, low-cost examination light for use during medical or veterinary consultation and diagnosis. The light uses the latest next-gen LED technology to give the best intensity at the correct colour temperature with no heat in the light-beam.

The X200LED head swivels on a flexible arm to allow accurate and stable positioning of the light-patch. Its head and handles are coated with DARAY's BioProtect™, an antimicrobial protection against bacteria such as MRSA. Wall, rail or desk mountings are available, as is a mobile.

The light comprises 4 parts: light-head, flexible arm, power-supply unit, and mounting. The flexible arm allows the light patch to be placed accurately and stably where it is needed. The arm is covered with a PVC sleeve to prevent contamination and to allow easy cleaning.

The plug-in power-supply module contains an electronic transformer to provide a low voltage to power the light from the electrical mains.

The wall-mounting bracket provides a simple method of fixing the light to the wall, allowing the base of the arm to swivel in front of the wall; a screw prevents the arm from accidentally being pulled out of the bracket.

The rail-mount version features a clamp to fasten the light to a medical-equipment rail which is optionally supplied in 1m lengths. The clamp can also be used to mount the light to a bed or trolley rail.

For desk mounting, a simple clamp to fasten the light to the edge of a desk or table, without scratching the surface.

All versions are delivered in special-to-type packaging which identifies on the ends of the box the type and serial number of the light within.

2. SPECIFICATION

Light output at 0.5 metre	32,000 lux
Light output at 1 metre	8,000 lux
Colour temperature	4,300 K
Luminous flux	400 lm
Colour Rendering Index	Ra = 95
Red Rendering	R9 = 88

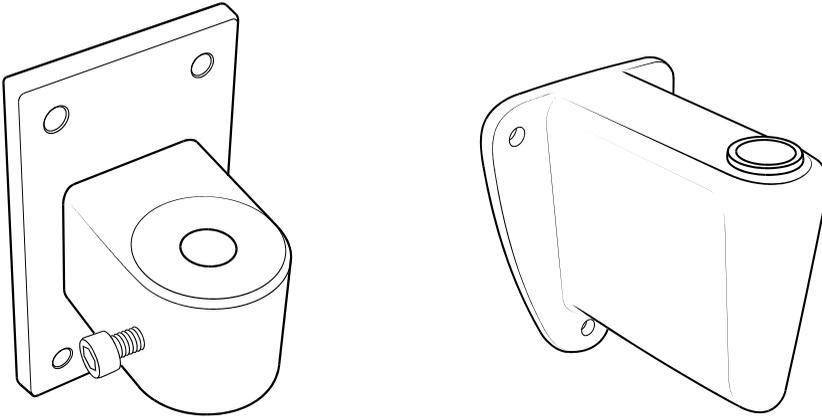
Flexible arm reach	800mm
Base of arm rotation	± 90°
Head rotation	± 150°
Colour	RAL 9016 white
Input voltage	12V DC, 2A, 50Hz
Power consumption	8.2 W

The product serial number and identifying labels are located on the base of the arm.

3. INSTALLATION/ASSEMBLY

Wall Mounting

- Remove the light from its packaging.
- Mark on the wall the selected location for the wall-mounting bracket, bearing in mind the final position of the light head required to project its light-patch where it will be needed.
- Screw the bracket to the wall.
- Fit the spigot on the end of the light arm into the bracket and tighten the locking screw to lock the light into the bracket whilst still allowing it to turn.
- Please note screw fittings are not included



Optional Rail Mounting

- Remove the light from its packaging.
- Hold the rail against the selected location on the wall, bearing in mind the final position and range of travel of the light-head required to project its light patch where it will be needed.
- Ensuring the rail is horizontal; mark the positions for the 2 screw holes.
- Fix the rail to the wall, using appropriate plugs as necessary and the 2 screws provided.

NOTE: Slide the screw-head cap retainers the correct way up onto the screws before fitting the screws!

- Fit the screw-head caps.
- Ensure the rail end caps are properly fitted.
- Slacken sufficiently the light clamp to allow the clamp to pass over the rail and fit the light to the rail.
- The light can be moved along the rail by slackening the clamp slightly and not sufficiently to allow the light to become detached from the rail.

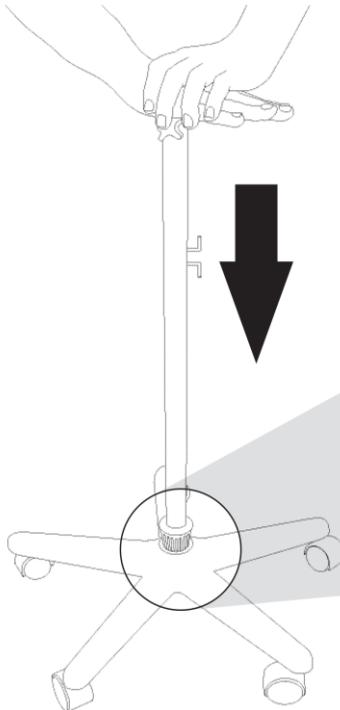
Desk Mounting

- Remove the light from its packaging.
- Slacken the desk clamp so that its jaws just clear the desk edge.
- Tighten the clamp sufficiently to provide a rigid mounting for the light.
- Fit the spigot on the end of the light arm into the top of the clamp and tighten the locking screw to lock the light into the clamp whilst still allowing it to turn.

Mobile

- Remove the light from its packaging.
- If not already fitted, fit the castors to the base by knocking them sharply into their fixing sockets.
- Insert the up-stand into the castor base as shown below.
Do not use a metal hammer.
Once fitted, the up-stand will not be able to be removed from the castor base.
- Insert the light-arm's spigot into the top of the upstand and tighten the knob to secure it in place.
WARNING: DO NOT LIFT THE LIGHT BY THE FLEXIBLE ARM AS THIS CAN CAUSE DAMAGE

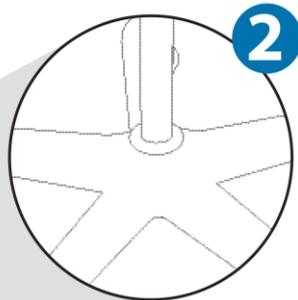
1 Connecting upstand with castor base



Place castor base on firm ground and insert upstand into hole located in the centre of it.

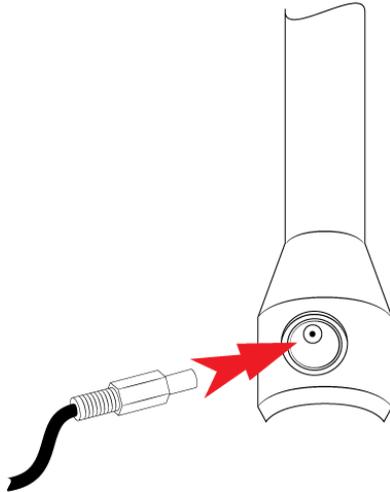
Placing hands on the top of the upstand as illustrated, push down with a firm pressure until upstand is fully inserted.

Insertion of upstand may be very tight, and may require the use of a wooden or rubber mallet to tap the upstand downward



Power Supply

- Once the light is unpacked and assembled, take the mains adapter and insert into the mains outlet
- Take the small power connector and insert in to the receptacle at the base of the light as per the illustration below



Battery Back up (Optional)



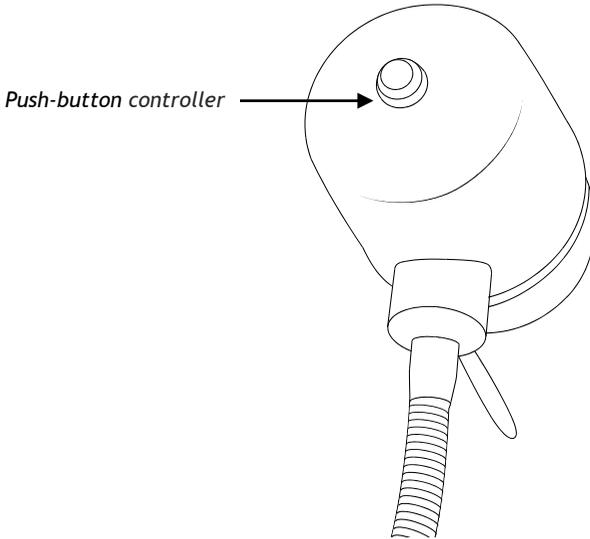
- Connect the supply cable from the 5525 OUT socket of battery backup unit, insert the yellow end into the upstand terminal.
- Connect the plug top transformer to the 5521 IN/OUT connector on the battery backup unit.
- Plug the Plug top transformer into a 13amp wall socket
- Turn the the battery backup unit on with the switch located on the top of the unit.
- Turn the light on at the lighthouse in the usual way.
- Your new Daray light and battery backup unit are ready to use.



4. OPERATION

The light-head swivels on its mounting flexible arm, and the arm itself also swivels where it fits into its mounting, allowing the light patch to be placed where you want it.

Press the push-button on the rear of the lamp to turn the light on. Press and hold to adjust the intensity. Press the push-button again to turn the light off. Pressing the push-button again will turn the light at the last set intensity.



If the light is disconnected from the mains and reconnected the light's intensity is reset to its brightest setting.

Note: Unplug the power supply if the light is not going to be used for extended periods.

5. MAINTENANCE

The light should be dusted with a soft flannel cloth, and the front cover gently cleaned with an alcohol-based liquid, and wiped dry.

WARNING: NO ABRASIVE CLEANING MATERIALS SHOULD BE USED TO CLEAN ANY PART OF THE LIGHT.

If fitted, the rail should be dusted to avoid any build up between it and the light clamp.

PLEASE REFER ANY PROBLEMS INITIALLY TO YOUR DISTRIBUTOR.

DARAY Customer Services on +44 (0) 800 878 9864

Or email technical@daray.co.uk for help with any problems the distributor cannot solve.

Returns Policy

IMPORTANT!
Before returning your item, you must call us on 0800 878 9864

We want you to be completely satisfied with your purchase. If you need to return goods purchased from DARAY Ltd, please read the following information carefully.

The DARAY Ltd returns policy provides guidance on when you can return goods we have supplied, and what you can expect from us once you do. To see our detailed returns policy and procedure visit www.daray.co.uk/returns

TYPE OF RETURN	REMEDY
DAMAGED GOODS Goods which are physically damaged on delivery	We must be notified within 24 hours of receipt.
Dead On Arrival (DOA) Goods which do not work	Goods which do not work on arrival or develop a fault within 28 days, we will advance replace the item.
GOODS DEVELOPING A FAULT Goods which have developed a fault within the warranty period.	If the fault develops after 28 days, but within the warranty period, we will initiate the returns procedure.
NON WARRANTY Goods which have developed a fault outside the warranty period.	If a fault develops outside the warranty period, we will initiate the returns procedure charges may be applicable.
OTHER Any situation which is not covered by any of the above.	We will always try to help, but we cannot normally offer a refund.

For additional clarification, please refer to our terms and conditions at www.daray.co.uk/terms.

In a small number of cases, we may determine that a replacement would not work any better than the original product we supplied. In such cases we will only offer a refund rather than a replacement for qualifying returns.

Replacement bulbs and spare parts ordered on our website or from supplied part codes are not eligible for credit. We will accept returns and exchange for the correct item.

If you purchase an item incorrectly you can return it within 14 days and it can be exchanged for another product of equal or higher value, excluding transportation charges incurred. Goods and packaging must be returned in their original condition. Under no circumstances will goods be accepted for return if they are damaged, have been subjected to improper handling or abuse or have been used.

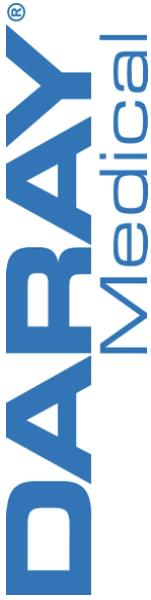
If you send us goods that do not qualify for return, you will invalidate your claim to any refund, and you will be obliged to compensate DARAY Ltd for the cost of return postage and any other reasonable costs incurred processing the goods.

Your statutory rights are not affected.

WARRANTY

TERMS AND CONDITIONS OF WARRANTY

1. To qualify for this warranty you must register on www.daray.co.uk or return to Daray Ltd (Daray) the duly completed warranty-registration form accompanying the product.
2. Daray warrants this product (excluding lamp) against faulty material and workmanship during the period of the warranty. The period of warranty is the period stated on your warranty card and commences on the date of purchase of the product. In the event that the product is not in good working order Daray will provide, during the warranty period, a free repair service within the United Kingdom. The warranty is subject to proof of purchase being provided; therefore, you should retain your original receipt.
 - 2.1 The repair service consists of the provision of spare parts and/or replacement products (at Daray's discretion) which will be provided on an exchange basis and will either be new, equivalent to new or reconditioned. All replaced spare parts and products shall become the property of Daray.
 - 2.2 Daray's only obligation under this warranty is the provision of the service as set out above.
 - 2.3 All products are returned to Daray at the customer's cost and risk. Products to be returned should be adequately packed. For the address to send returns to please visit www.daray.co.uk
3. Daray's arrangements for providing service provided under this warranty may include the use of sub-contractors.
4. This warranty does not cover damage or defects in the Product caused by or resulting from:
 - Wilful neglect or negligence by anyone other than Daray;
 - Improper use, storage or handling of the product;
 - Use of non-Daray approved parts (such as replacement lamps) not compatible with the Product;
 - Fire, accident or disaster;
 - Use of non-Daray modifications other than in accordance with Daray's instructions;Attachment of fittings and accessories not approved by Daray;
Repairs, modifications carried out by service personnel not approved by Daray;
 - Damage caused by chemical corrosion from cleaning agents not approved by Daray.
 - Failure to use or install the product in accordance with the manufacturer's instructions.
5. Nothing in this warranty shall have the effect of restricting or excluding the liability of Daray in respect of:
 - a) Death and personal injury caused by the negligence of Daray, or for fraud;
 - b) Under the *Consumer Protection Act 1987* to a person who has suffered damage caused by a defective product or to a dependant or relative of such a person;
 - c) Direct damage to your property caused by the proven negligence of Daray.
6. This agreement does not give any rights other than those expressly set out above and in particular, Daray will not be responsible for any loss of income, profits or contracts or any direct or indirect consequential loss, damage caused to or suffered by the purchaser as a direct result of this agreement.
7. This warranty is offered (subject to these terms and conditions) in addition to, and does not affect your statutory rights.
8. Daray may disclose your details and other personal information to companies within the Daray group including any subsidiary company or sub contractor of Daray for the purposes of performing our obligations hereunder.
9. You must not resell outside the UK any products supplied by Daray and covered by the *Export of Goods (Control) Order 1992* (or any law that replaces it) without obtaining all necessary licences. You also agree not to sell the product in the UK if you know or think that the person buying the product intends to export it without getting the necessary licences. You agree to impose similar conditions to these on anyone you sell the product to.
10. These conditions shall in all respect be governed and construed in accordance with English law and the exclusive jurisdiction of the English courts.



Alternatively register online at www.daray.com

Warranty Registration
Please complete and return to our
freepost address.

5 Year Warranty*

Name:
Company:
Email:
Phone:
Fax:

Freepost plus RRAS-YGXE-SLBC
Daray Ltd
Marquis Drive
Swadlincote
DE12 6EJ

Address:

Purchased from:

Date of purchase:

Occasionally Daray would like to send you information about our special offers and promotions. If you do not wish to receive such information please tick here:

Privacy statement: DARAY will not pass on your details to any third party.

Please note: Year 1 warranty includes parts and labour (return to base) Year 2 - 5 includes parts only
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Product:
Serial No:

* UK only

