

CIBSE

LIG054
LIG058
LIG910
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X SERIES

Product Datasheet

DARAY[®] | **X** 1
Medical

X1 LED Exam Light



Introduction

The DARAY[®] X1 examination light is the perfect choice for value and performance. Designed for use in general examinations and diagnosis, this model boasts a cool LED beam and various mounting options, making it one of the most cost-effective and versatile examination lights on the market.

DARAY have been established in the medical, dental and veterinary markets since 1968 building exceptional and durable products. We shall continue to innovate; aiming to excel in our endeavours to deliver reliable solutions.

Standard Features

- World-renowned LED technology
- Flexible gooseneck for versatile movement and solid positioning
- 320-degree head rotation
- Excellent colour rendering - for totally natural skin tones
- Various mounting options available
- BioProtect[®] anti-microbial coating to assist in infection control
- Low total cost of ownership
- Energy-efficient, environmentally friendly, and a fully recyclable product

Available Options

X100LW	DARAY X1 wall mounted LED examination light
X100LR	DARAY X1 rail mounted LED examination light (rail sold separately - see XRAIL below)
X100LD	DARAY X1 desk clamp LED examination light
X100LDS	DARAY X1 desk stand LED examination light
X100LFDM	DARAY X1 fixed desk mount LED examination light
X100LM	DARAY X1 mobile LED examination light
XRAIL	1m Medical Rail for mounting X100LR
XBB12	Battery back-up options available, please call

Bespoke solutions available, please call

Technical Specifications

Light Source	LED
Light Intensity (Lux) @ 0.5m	12,000 Lux \pm 5%
Gooseneck Length	800mm
Colour Temperature (Kelvin)	4,200K \pm 500
Colour Rendering Index (CRI)	93
Light Field Diameter (D50)	@ 0.5m: 180mm
Light Field Diameter (D10)	@ 0.5m: 240mm
Beam Angle	10°
Power Consumption	8.5W 0.1A
Head Rotation	320°
Average Working Life	>40,000 Hours
Input Supply Rating	100 - 240V AC 50/60 Hz
Output Supply Rating	12V DC 1A
Temperature Rise on Patient/User	\leq 2°C
Warranty Period	5 Years
NHS E-Class Code	FBU, FKR
Commodity Code	9018 908400
GMDN Code	12276
IP Rating	IP44

Notes

Our LED lighting has been developed to replace halogen completely. LEDs (light emitting diodes) have been around for a long time. Recently this technology has become leading-edge in the field of lighting - a breakthrough technological solution to the inherent problems of the incandescent light bulb.

We have taken the technology and developed it further to provide high definition lighting solutions with no infrared, high brightness, low environmental impact, low power consumption, no toxic chemicals and a long operating life.

The X1 Series features a flexible gooseneck, a rotational head and a handle, offering versatile movement and solid positioning throughout its entire range. This will assist you in getting the light head to where it is needed, for all types of clinical examinations.



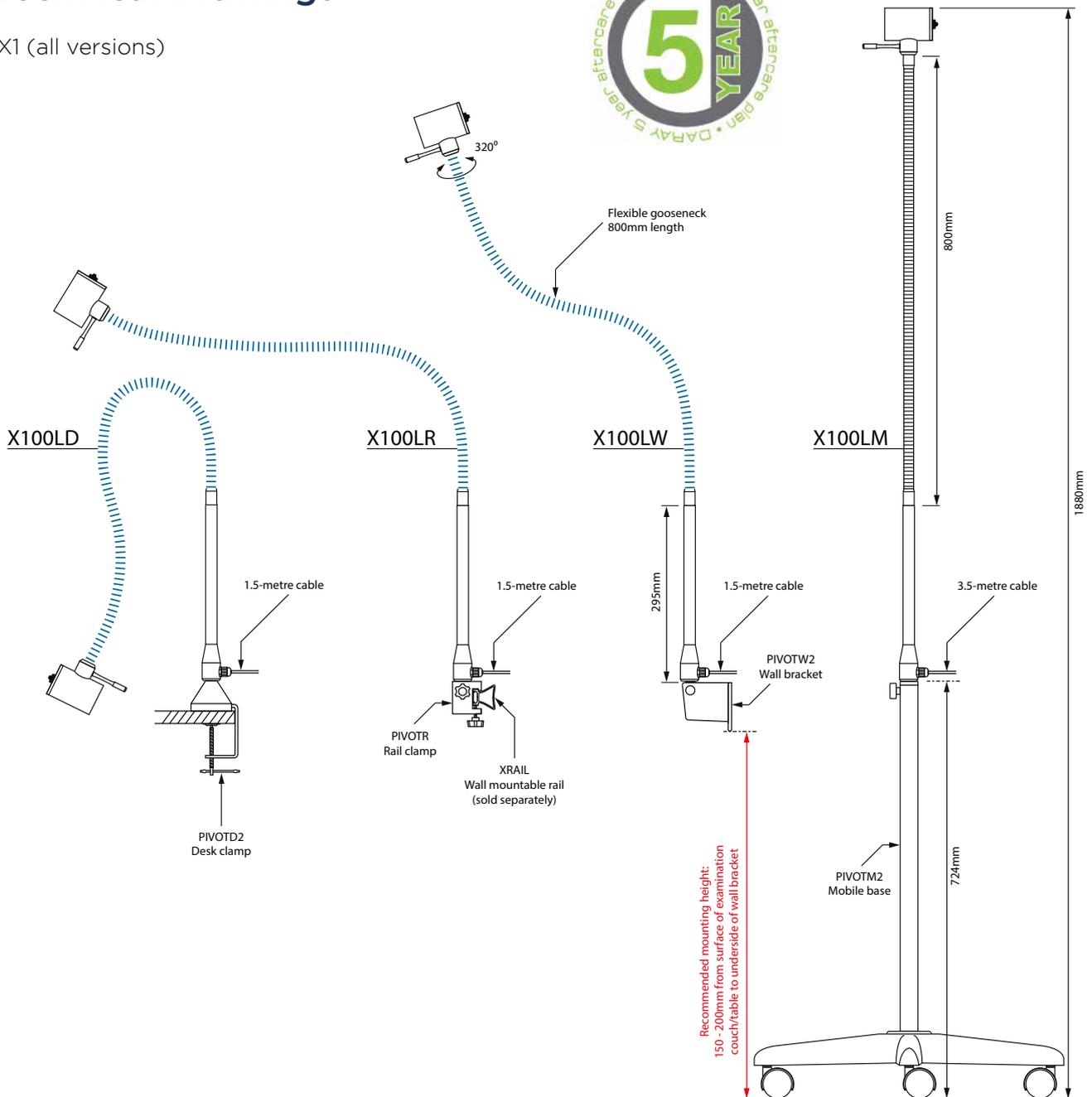
Medical Approvals/Certificates

The product(s) on this datasheet adhere to the following standards in line with the 93/42/EEC Medical Devices Directive - Classification: Class 1, Rule 1.

EN 13485	EN 60601-1-2
EN 14971	EN 60601-1-6
EN 9001	EN 60601-2-41
EN 60601-1	EN 1041
2014/35/EU Low Voltage Directive	EN 60598-2-25

Technical Drawings

X1 (all versions)



Mounting Options

These are DARAY's standard mounting options, and are all **interchangeable**.



If you are looking for an examination light that can be hardwired; see the Datasheets for the X200/X210/X240 models.

Image Gallery

Mobile Version
Order code: X100LM



180° Arm Rotation

Wall Mounted
Order code: X100LW

LED light source produces
no heat

Plug-top
12V PSU

Detaches easily from base/mount



Rail Mounted
Order code: X100LR
(shown here on XRAIL Medical Rail -
available separately)



Control switch on rear
of head

320° Head Rotation

Fixed Desk Mount
Order code: X100LFD

