

**CIBSE**

LIG053  
LIG054  
LIG058  
LIG910  
LIG953  
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**X**  
SERIES

Product Datasheet

**DARAY**<sup>®</sup> | **X7**  
Medical

## X700 LED Exam Light

### Introduction

The DARAY X7 examination light is both powerful and incredibly flexible, featuring variable colour adjustment. Utilising LED technology, the general examination light has been developed to provide an intense beam with excellent colour rendering properties.

The X700 forms part of the **X7 Series**, which comprises the following models: X700, X710, X730, X740.

All models in the X7 Series offer identical light output, though with differing mounting/wiring options:

**X700** - Same as X740, though with a flexible 'gooseneck' instead of the articulated (spring-balanced) arm.

**X710** - Available as a wall/rail mount solution with an integrated transformer, to be hardwired.

**X730** - Provides a panel mount bracket and an angled neck for mounting to bed-head trunking, to be hardwired.

**X740** - Same as X700, though with an articulated (spring-balanced) arm instead of the flexible 'gooseneck'.

**Datasheets are available for each model in the X7 Series.**

### Standard Features

- World-renowned LED technology
- Variable intensity
- Variable colour temperature
- Flexible gooseneck for versatile movement and solid positioning
- Excellent colour rendering
- A strong beam of light with an even intensity across the entire area for clearer viewing and reduced eye strain
- Fully positionable light head
- Various mounting options available
- Energy-efficient, environmentally friendly, and a fully recyclable product

### Available Options

X700LW	DARAY X7 wall mounted LED examination light
X700LR	DARAY X7 rail mounted LED examination light (rail sold separately - see XRAIL below)
X700LD	DARAY X7 desk clamp LED examination light
X700LDS	DARAY X7 desk stand LED examination light
X700LFDM	DARAY X7 fixed desk mount LED examination light
X700LM	DARAY X7 mobile LED examination light
XRAIL	1m Medical Rail for mounting X700LR
XBB12	Battery back-up options available, please call
Bespoke solutions available, please call	

# Technical Specifications

Light Source	LED
Light Intensity (Lux) @ 0.5m	80,000 Lux $\pm$ 5%
Light Intensity (Lux) @ 0.75m	40,000 Lux $\pm$ 5%
Light Intensity (Lux) @ 1.0m	20,000 Lux $\pm$ 5%
Light Intensity Adjustment Range	25 - 100%
Colour Temperature (Kelvin)	3,600K - 5,000K ( $\pm$ 500K)
Colour Rendering Index (CRI)	95
Colour Rendering (R9)	95
Light Field Diameter (D50)	@ 0.5m: 60mm
	@ 0.75m: 90mm
	@ 1.0m: 120mm
Light Field Diameter (D10)	@ 0.5m: 110mm
	@ 0.75m: 150mm
	@ 1.0m: 200mm
Number of LED's	4
Power Consumption	16W 0.14A
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

## 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.

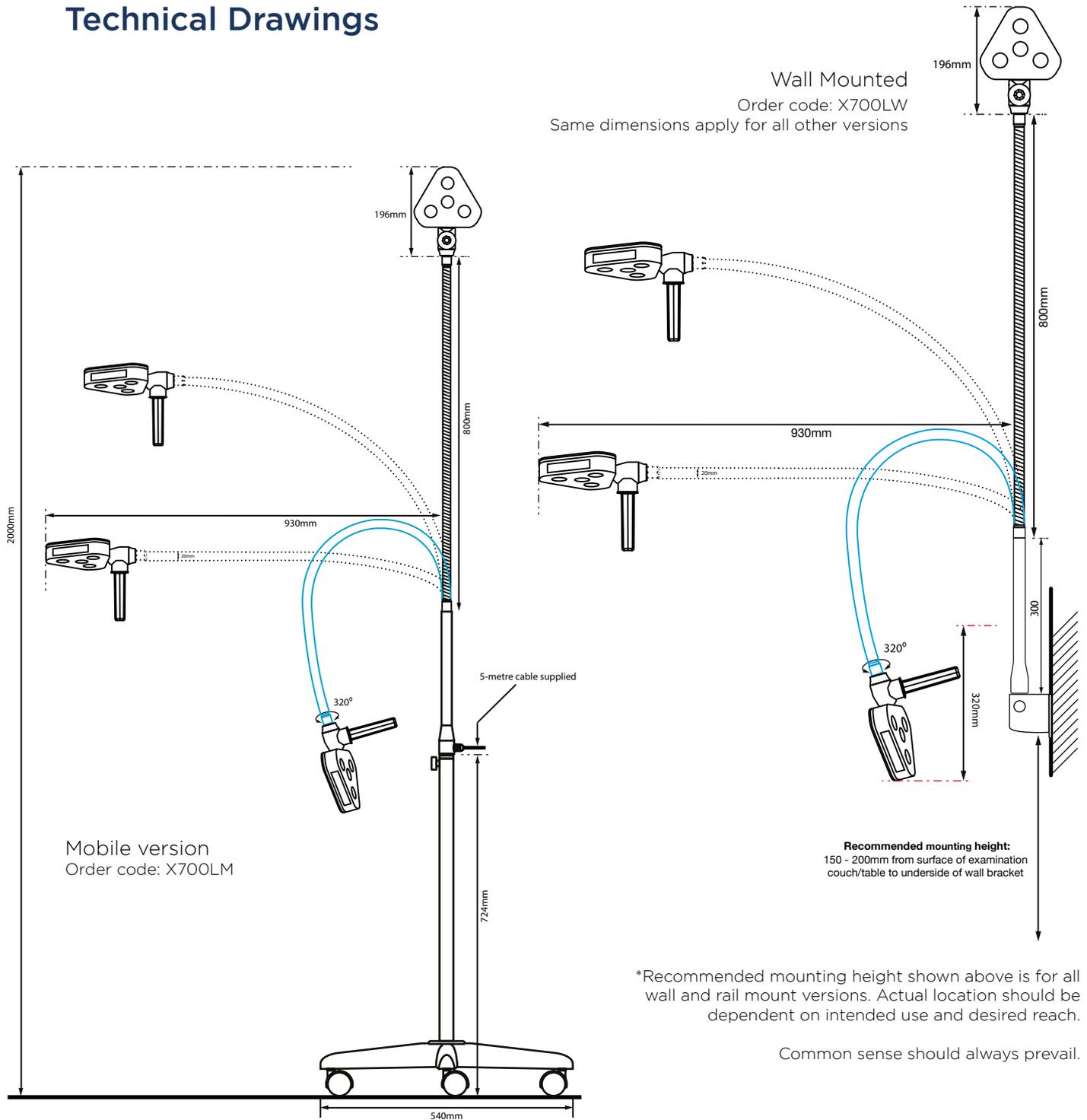
EN 13485	EN 60601-1-2
EN 14971	EN 60601-2-41
EN 9001	EN 60601-1-6
EN 60601-1	EN 1041
2014/35/EU Low Voltage Directive	EN 60598-2-25

## Notes

Our X7 Series is available with a wide array of mounting options to ensure your light is exactly where you need it. Available in two arm options (flexible gooseneck or spring-balanced arm) and a large range of plug-top and hardwired mounting options to suit all clinical needs.

This model features a low total cost of ownership, costing up to 75% less to run than equivalent halogen lights. This light has around 40,000 hours of life from the LED light engine equating to around 20 years of clinical use. The X7 Series requires minimal maintenance and is an ideal light for GP surgeries and clinics where flexibility and performance are crucial.

# Technical Drawings



## Mounting Options

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



If you are looking for a hardwired version of the X700; see the Datasheet for the X710 model.

# Image Gallery



(UK Customers only)



Mobile version  
Order code: X700LM  
5-metre cable supplied



Wall Mounted  
Order code: X700LW



Order code: X700LFDM



Order code: X700LDS



Order code: X700LD



Rail Mounted  
Order code: X700LR  
(shown here on XRAIL Medical Rail - available separately)



Digital control panel  
Features: Power on/off  
Light intensity adjustment  
Colour temp adjustment

Removable autoclavable handle