CIBSE
LIG053
LIG054
LIG058
LIG910
LIG953
LIG9004

DARAY® Medical

Product Datasheet

Examination Light

X700

LED

Introduction

The DARAY X700 LED 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 LED forms part of the **X700 Range**, which comprises the following models: X700, X710, X730, X740.
> All models in the X700 Range 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 this Range.**

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 X700 LED wall mounted examination light
X700LR	DARAY X700 LED rail mounted examination light (rail sold separately - see XRAIL below)
X700LD	DARAY X700 LED desk clamp examination light
X700LDS	DARAY X700 LED desk stand examination light
X700LFDM	DARAY X700 LED fixed desk mount examination light
X700LM	DARAY X700 LED mobile examination light
XRAIL	1m Medical Rail for mounting X700LR (includes wall fixings)
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 ±5%
Light Intensity (Lux) @ 0.75m	40,000 Lux ±5%
Light Intensity (Lux) @ 1.0m	20,000 Lux ±5%
Light Intensity Adjustment Range	25 - 100%
Colour Temperature (Kelvin)	3,600K - 5,000K (±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	≤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 14971
EN 9001
EN 60601-1
2014/35/EU Low Voltage Directive

EN 60601-1-2
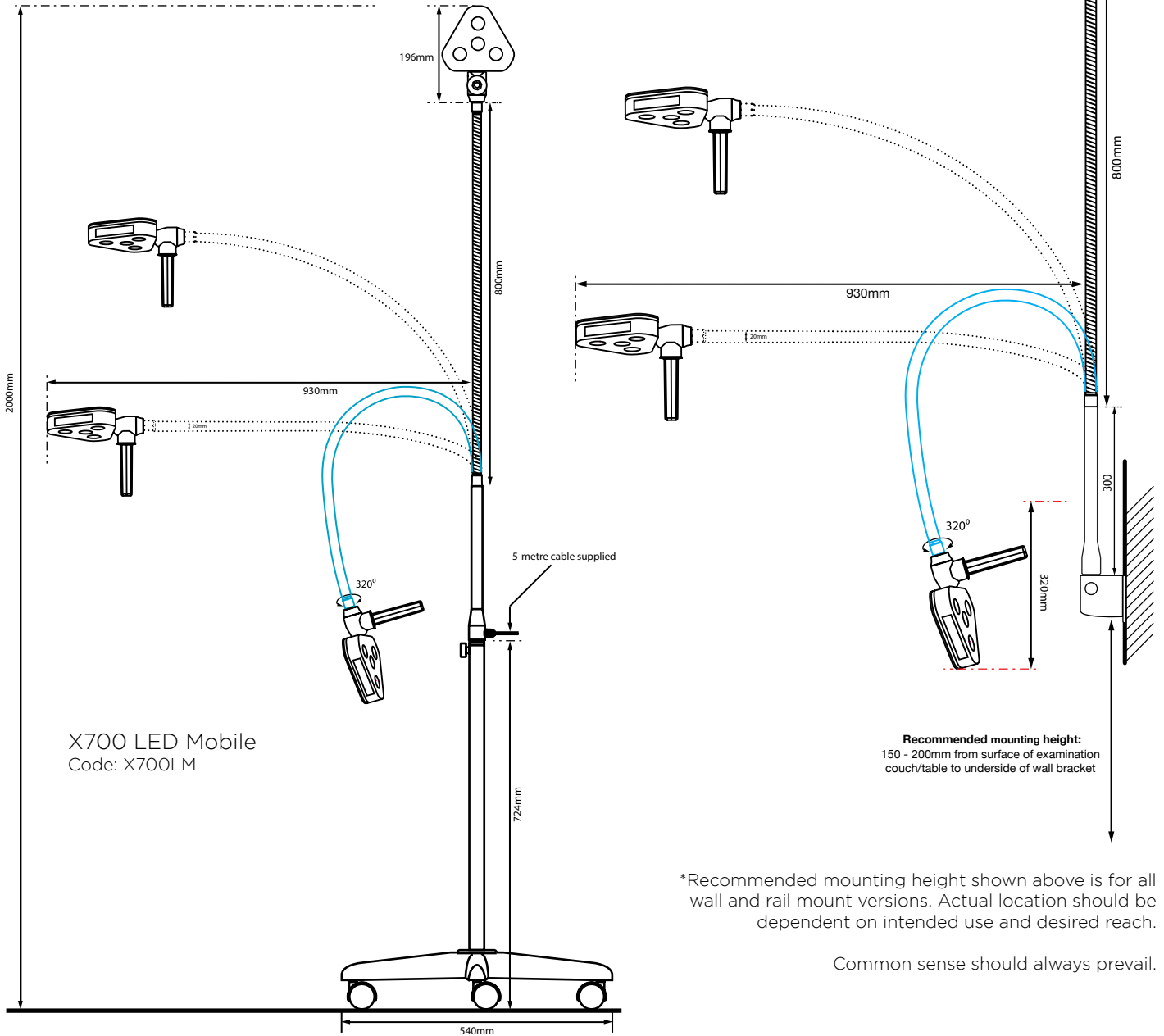EN 60601-2-41
EN 60601-1-6
EN 1041
EN 60598-2-25

Notes

Our X700 Range 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 X700 Range requires minimal maintenance and is an ideal light for GP surgeries and clinics where flexibility and performance are crucial.

Technical Drawings

X700 LED Wall Mount
Code: X700LW
Same dimensions apply for all other versions

196mm

800mm

930mm

300

320°

320mm

Recommended mounting height:
150 - 200mm from surface of examination
couch/table to underside of wall bracket

*Recommended mounting height shown above is for all
wall and rail mount versions. Actual location should be
dependent on intended use and desired reach.

Common sense should always prevail.

2000mm

196mm

800mm

930mm

320°

5-metre cable supplied

724mm

X700 LED Mobile
Code: X700LM

540mm

Mounting Options

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

PIVOTD2 Desk Clamp

PIVOTR Rail Clamp
(shown on Medical Rail)

PIVOTFDM Fixed Desk
Mount

PIVOTM2 Mobile Base

PIVOTW2 Wall Bracket

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

Image Gallery

5 YEAR DARAY 5 year aftercare plan

(UK Customers only)

X700 LED Wall Mount
Code: X700LW

X700 LED Mobile
Code: X700LM
5-metre cable supplied

Code: X700LFDM

Code: X700LDS

Code: X700LD

X700 LED Rail Mount
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