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X
SERIES

Product Datasheet

DARAY[®] | **X3**
Medical

X3 LED Exam Light



Introduction

The DARAY X3 examination light is designed specifically for use during medical consultation and diagnosis. This model is available with a wide range of mounting options to ensure your examination light is exactly where you need it.

Standard Features

- World-renowned LED technology
- Variable intensity
- Spring-balanced arms for versatile movement and solid positioning
- BioProtect[®] anti-microbial coating to assist in infection control
- Fully positionable light head, and telescopic ceiling tube for extra reach
- Various mounting options available
- Energy-efficient, environmentally friendly, and a fully recyclable product
- Excellent colour rendering

Available Options

X340LC	DARAY X3 ceiling mounted LED examination light
X340LW	DARAY X3 wall mounted LED examination light
X340LR	DARAY X3 rail mounted LED examination light (rail sold separately - see XRAIL below)
X340LD	DARAY X3 desk clamp LED examination light
X340LDS	DARAY X3 desk stand LED examination light
X340LFDM	DARAY X3 fixed desk mount LED examination light
X340LM	DARAY X3 mobile LED examination light
X340LE1	DARAY X3 hardwired BESA wall mount LED examination light (special order)
X340LE2	DARAY X3 hardwired wall mount LED examination light (special order) - with separate transformer
X340LE3	DARAY X3 hardwired panel mount LED examination light (special order) - with separate transformer
X340LE4	DARAY X3 hardwired wall mount LED examination light (special order) - with integral transformer
XRAIL	1m Medical Rail for mounting X340LR
XBB24	Battery back-up options available, please call

Technical Specifications

Light Source	LED
Light Intensity (Lux) @ 0.5m	64,000 Lux ±5%
Light Intensity (Lux) @ 0.75m	30,000 Lux ±5%
Light Intensity (Lux) @ 1.0m	17,000 Lux ±5%
Light Intensity Adjustment Range	10 - 100%
Colour Temperature (Kelvin)	4,300K ±500
Colour Rendering Index (CRI)	95
Colour Rendering (R9)	88
Light Field Diameter (D50)	@ 0.5m: 90mm
	@ 0.75m: 125mm
	@ 1.0m: 175mm
Light Field Diameter (D10)	@ 0.5m: 220mm
	@ 0.75m: 255mm
	@ 1.0m: 340mm
Number of LED's	6
Power Consumption	14W 0.2A
Average Working Life	>50,000 Hours
Input Supply Rating	100 - 240V AC 50/60 Hz
Output Supply Rating	30V 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

Notes

The X3 has a smooth, spring balanced arm, making the light extremely versatile, and perfect for gynaecological procedures. Utilising LED technology, this general examination light has been developed to provide an intense beam with excellent colour rendering properties. This model requires minimal maintenance and has a smooth, fully enclosed BioProtect® head to assist with the management of infection control. This is an ideal light for GP surgeries and clinics where flexibility and performance are crucial. Choose between many different mounting types dependant on your application, including: ceiling, wall, mobile, and desk options. Hardwired options also available.

Medical Approvals/Certificates

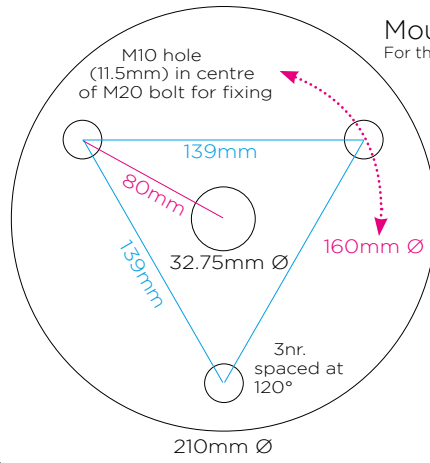
The product(s) on this datasheet adhere to the following standards in line with the 93/42/EEC Medical Devices Directive - Classification: Class 1, Rule 1.

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

Technical Drawings

Recommended mounting height shown for the wall mounted version below, this applies to the desk and rail mount versions also. Actual mounting location should be dependent on intended use and desired reach.

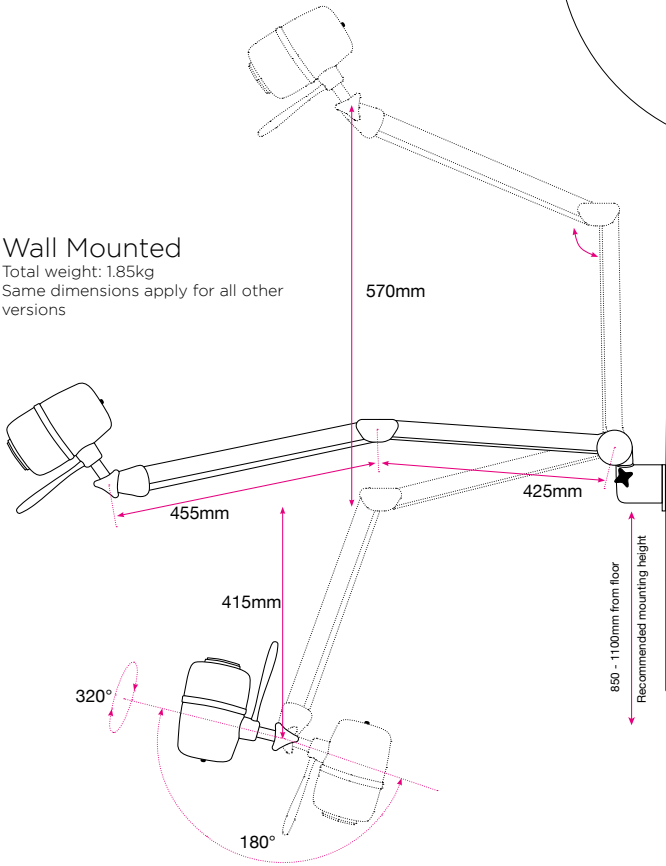
Common sense should always prevail.



Mounting plate dimensions
For the X3 Ceiling Mount light

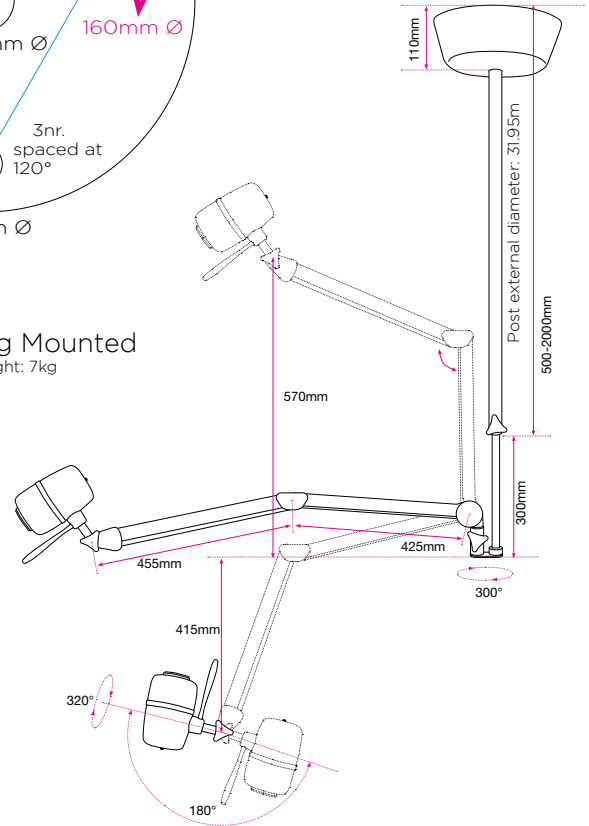
Wall Mounted

Total weight: 1.85kg
Same dimensions apply for all other versions



Ceiling Mounted

Total weight: 7kg



Recommended mounting height for the above ceiling mount version is 1900mm from floor level to the bottom of outer vertical tube.

Cut tube to desired length, 1m tube supplied as standard. (2m tube available for higher ceilings)

Mounting Options

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



Shown here are the hardwired special order mounting options, and are **not interchangeable**.



Image Gallery

Continued overleaf..

Mobile version
Order code: X340LM



Ceiling Mounted
Order code: X340LC
Left: Showing 300mm
telescopic tube assembly
extended
Right: Unextended



Telescopic tube
extension
(X340LC only)



Max. Height 1700mm

Control switch
on rear of head



Desk Clamp
Order code: X340LD

Image Gallery continued..

Hardwired Wall Mount
with integral transformer
Order code: X340LE4



Wall Mounted
Order code: X340LW



Order code: X340LE1



Order code: X340LE2

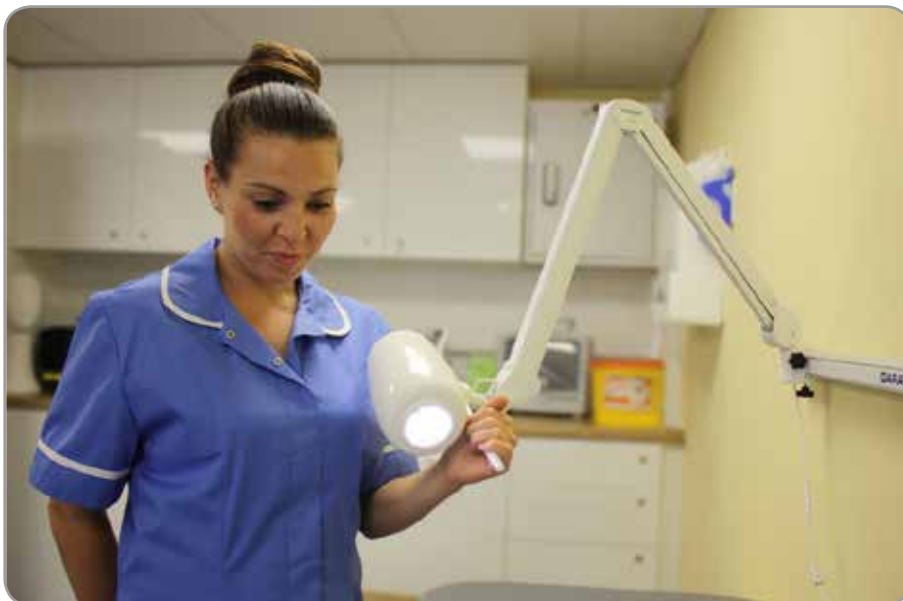


Order code: X340LE3



Order code: X340LDS

Transformer housed in box at base of neck.
Box mounts directly to the wall.



6-LED Module

Rail Mounted
Order code: X340LR
(shown here on XRAIL Medical Rail -
available separately)