

CIBSE

LIG053
LIG055
LIG058
LIG910
LIG953
LIG9004

DARAY[®]
Medical

Product Datasheet

Dental Exam Light

EXCEL

LED



Introduction

Designed and developed from our BiLite and QiLite family. The Excel features multiple, direct LED modules. This light also features a removable fascia for easy cleaning if required. Utilising the latest in LED technology our new product range has been developed to perform to the highest standards expected within modern dentistry. With rectangular light patches, and a large range of movement; our new dental range also incorporates dual touch-free controls as standard along with triple axis rotation to get the right light in the right location.

Standard Features

- World-renowned LED technology
- Variable intensity
- Balanced arms for one touch adjustment and a great range of movement.
- Excellent colour rendering - for totally natural skin tones
- Dual **Touch-free** on/off and intensity control
- BioProtect[®] anti-microbial coating to assist in infection control
- Fully positionable light head
- Ideal reach for most clinical procedures
- Energy-efficient, environmentally friendly, and a fully recyclable product
- Low total cost of ownership

Available Options

EXCELC	DARAY EXCEL LED ceiling mounted dental examination light
EXCELW	DARAY EXCEL LED wall mounted dental examination light
EXCELDPM	DARAY EXCEL LED mobile dental examination light
EXCELUK	DARAY EXCEL LED upgrade kit for conversion of existing light
CMC	Ceiling Mount Cover (required for conventional ceilings only)
Bespoke solutions available, please call	

Technical Specifications

Light Source	LED
Light Intensity (Lux) @ 0.7m	35,000 Lux \pm 5%
Light Intensity Adjustment Range	5% - 100%
Colour Temperature (Kelvin)	6,950K \pm 500
Colour Rendering Index (CRI)	95
Colour Rendering (R9)	88
Light Field Diameter (D50)	@ 0.7m: 150mm x 70mm \pm 20mm
Number of LED's	6
Power Consumption	8-12W \pm 2%
Average Working Life	>50,000 Hours
Input Voltage	100 - 240V AC 50/60 Hz
Output Voltage	12V AC \pm 2%
Temperature Rise on Patient/User	\leq 2°C
Warranty Period	3 Years
NHS E-Class Code	FBU, FKR
Commodity Code	9018 908400
GMDN Code	12276

Notes

Designed with a high colour temperature and high CRI (Colour Rendering Index); these lights provide the white light you need to properly match shades, identify details and assess any surrounding tissue. Our touch-free, dual control system allows you to power the light on or off and vary the intensity without having to touch the unit.

Factory calibrated at 700mm from the work surface these units have a crisp rectangular light patch, reducing uncomfortable glare for your patients whilst retaining a sizeable field with consistent and uniform illumination throughout. Utilising shadow reduction technology DARAY's dental lighting keeps you focused on your patients not your equipment. Running at only 12V these lights are incredibly eco-friendly. The extra low voltage reduces operating costs, which, when combined with the incredible lifespan of high quality LED technology (>50,000 hrs), these lights will last a long time, saving you time, money and effort.

Our modern, low profile designs can help reflect your image of professional excellence in dentistry without breaking your budget. Available as wall, ceiling and mobile versions which include the most versatile spring-balanced suspension arms available for effortless repositioning. This model features a strong beam of light with an even intensity across the entire area for clearer viewing and reduced eye strain.

Medical Approvals/Certificates

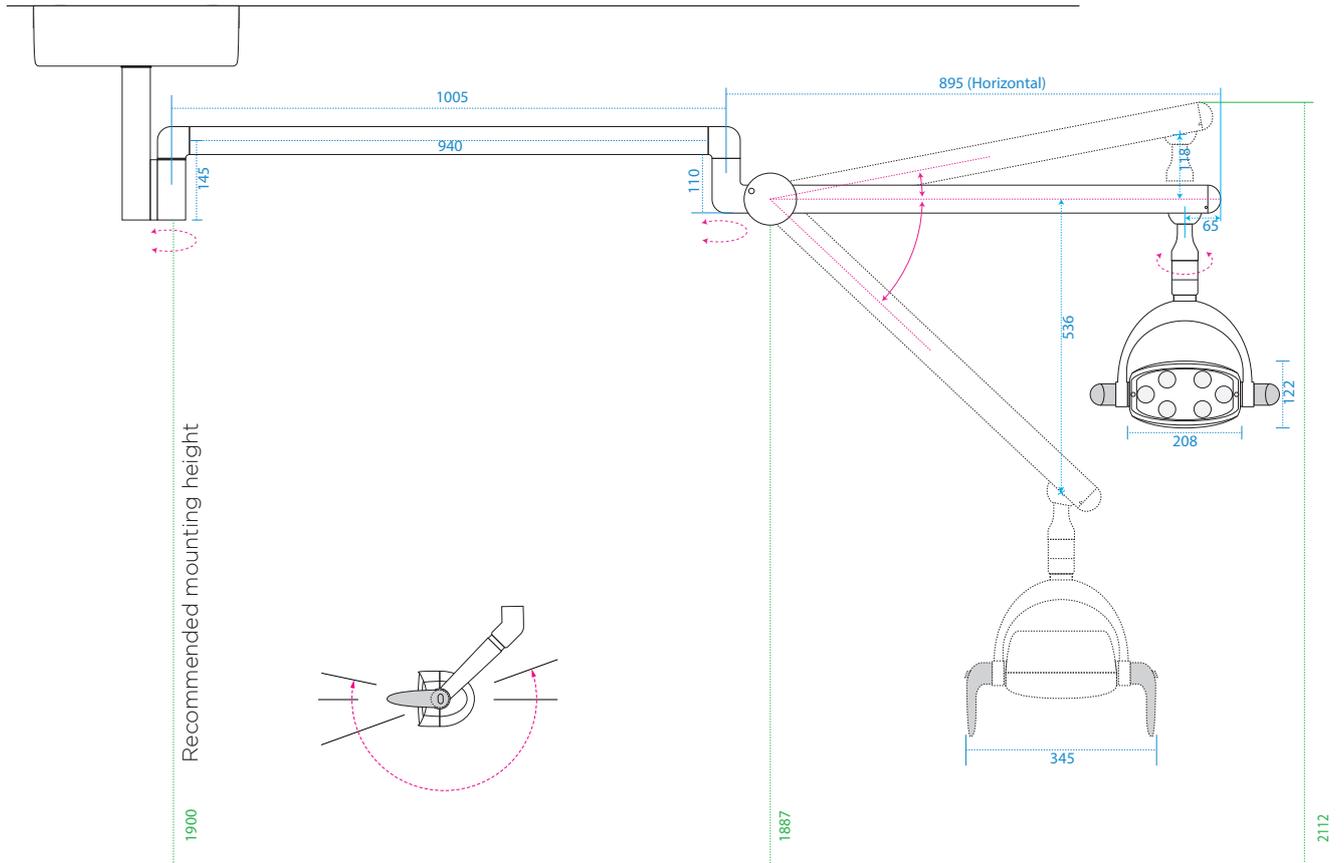
The product(s) on this datasheet adhere to the following standards in line with the 93/42/EC Medical Devices Directive - Classification: Class 1, Rule 1.

EN ISO 13485:2003
EN ISO 14971:2007
EN ISO 9001:2008
EN 60601-1
EN 606098

EN 60601-1-4
EN 60601-2-41:2009
EN 1041:2008
EN 598-2-25

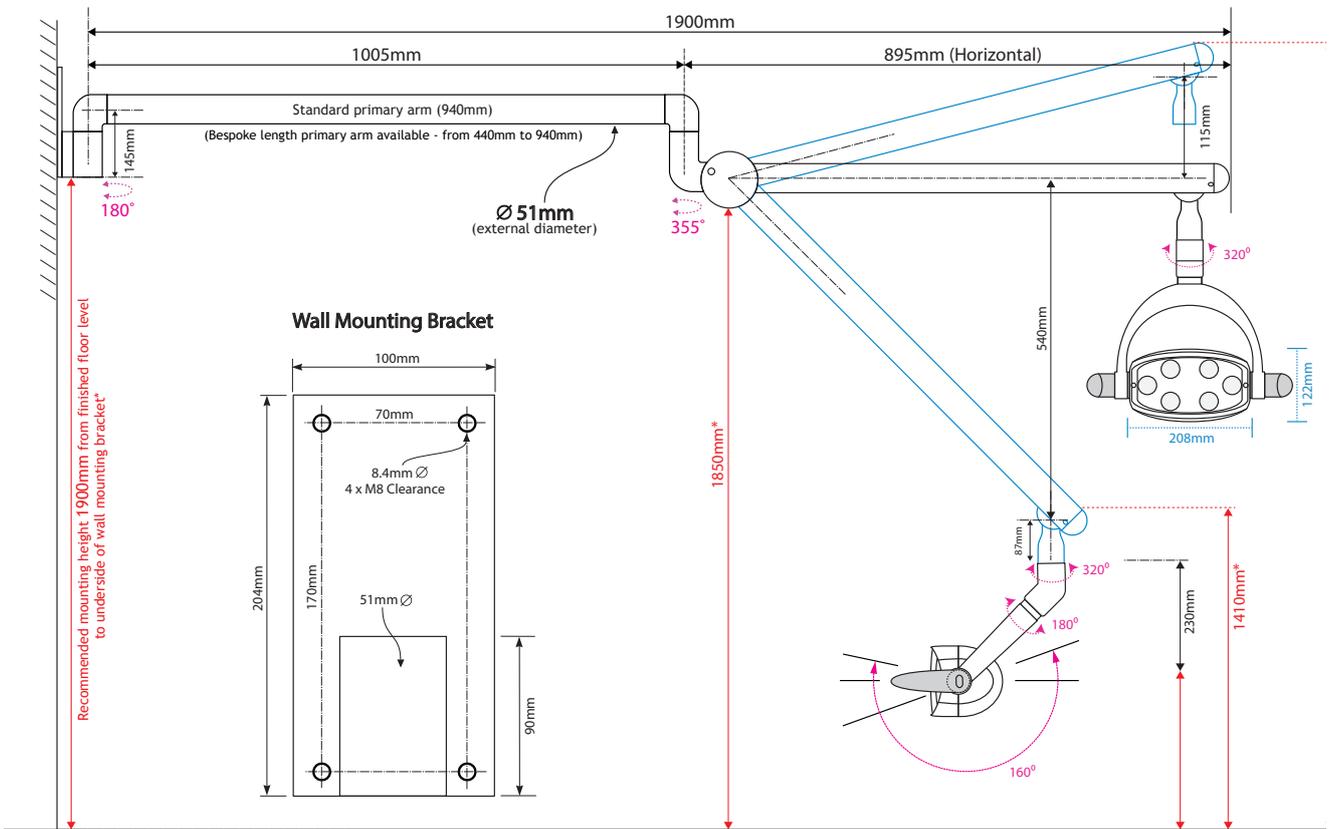
Technical Drawings

EXCEL LED Ceiling Mount



Installation suggestion. These measurements are subject to change dependent on installation height or light model. For specific applications or environments, the mounting bracket should be installed at a height so that, when fitted,

EXCEL LED Wall Mount



*All dimensions shown in red are based on a suggested mounting height (see measurement to wall bracket on far left). For specific applications and environments, the mounting bracket should be installed at a height so that, when fitted, the light head is as near to the required position as possible. Actual location should be dependent on intended use and desired reach. Common sense should always prevail.

Image Gallery

Ceiling Mount Cover (sold separately)



EXCEL LED Ceiling Mount



EXCEL LED



EXCEL LED Wall Mount