

## CIBSE

LIG053  
LIG055  
LIG058  
LIG910  
LIG953  
LIG9004



## Product Datasheet



# EXCEL Dental Exam Light



## 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 ceiling mounted LED dental examination light
EXCELW	DARAY EXCEL wall mounted LED dental examination light
EXCELDFM	DARAY EXCEL mobile dental LED 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

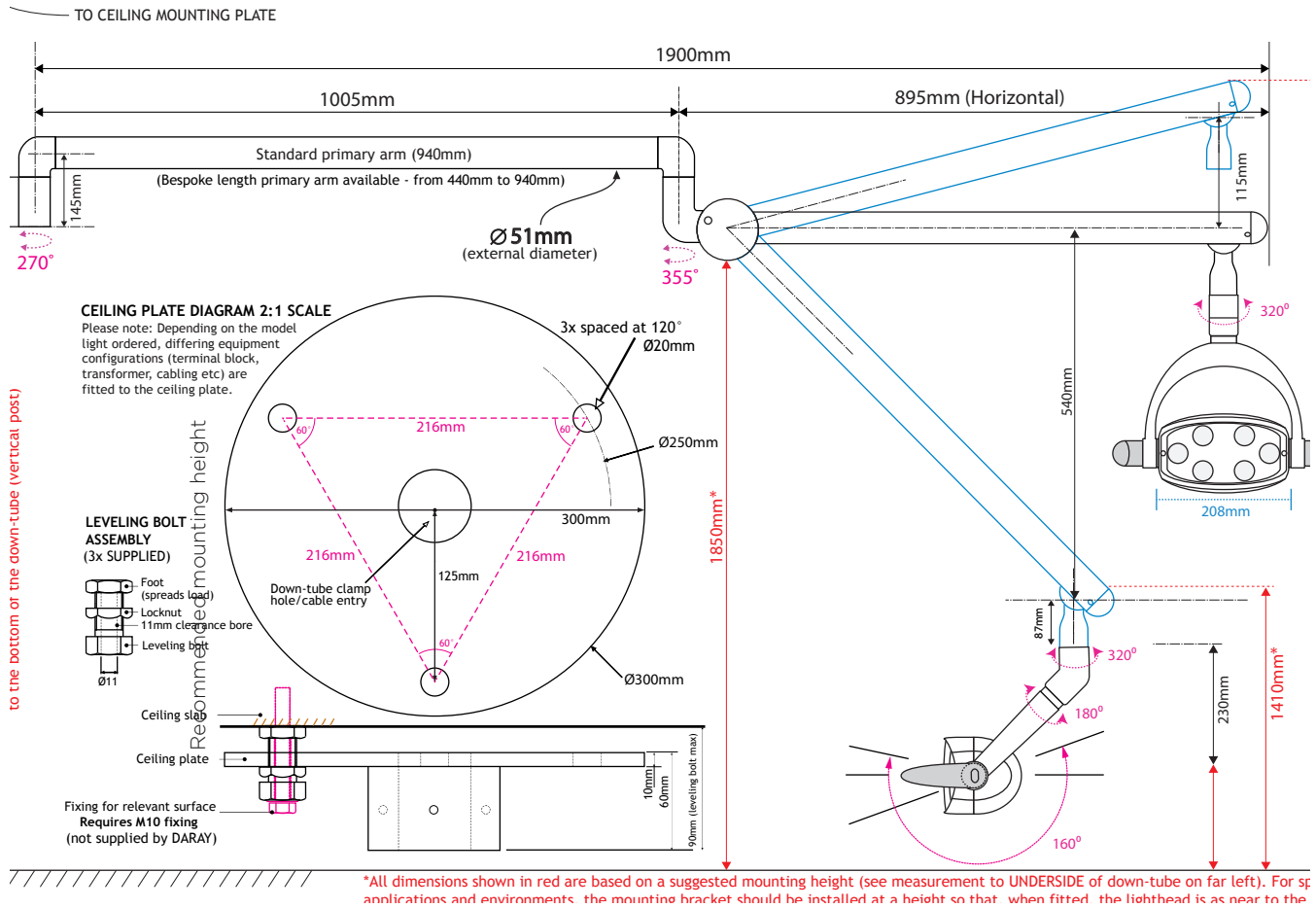
The product(s) on this datasheet adhere to the following standards in line with the 93/42/EC Medical Devices Directive - Classification: Class 1, Rule 1.

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

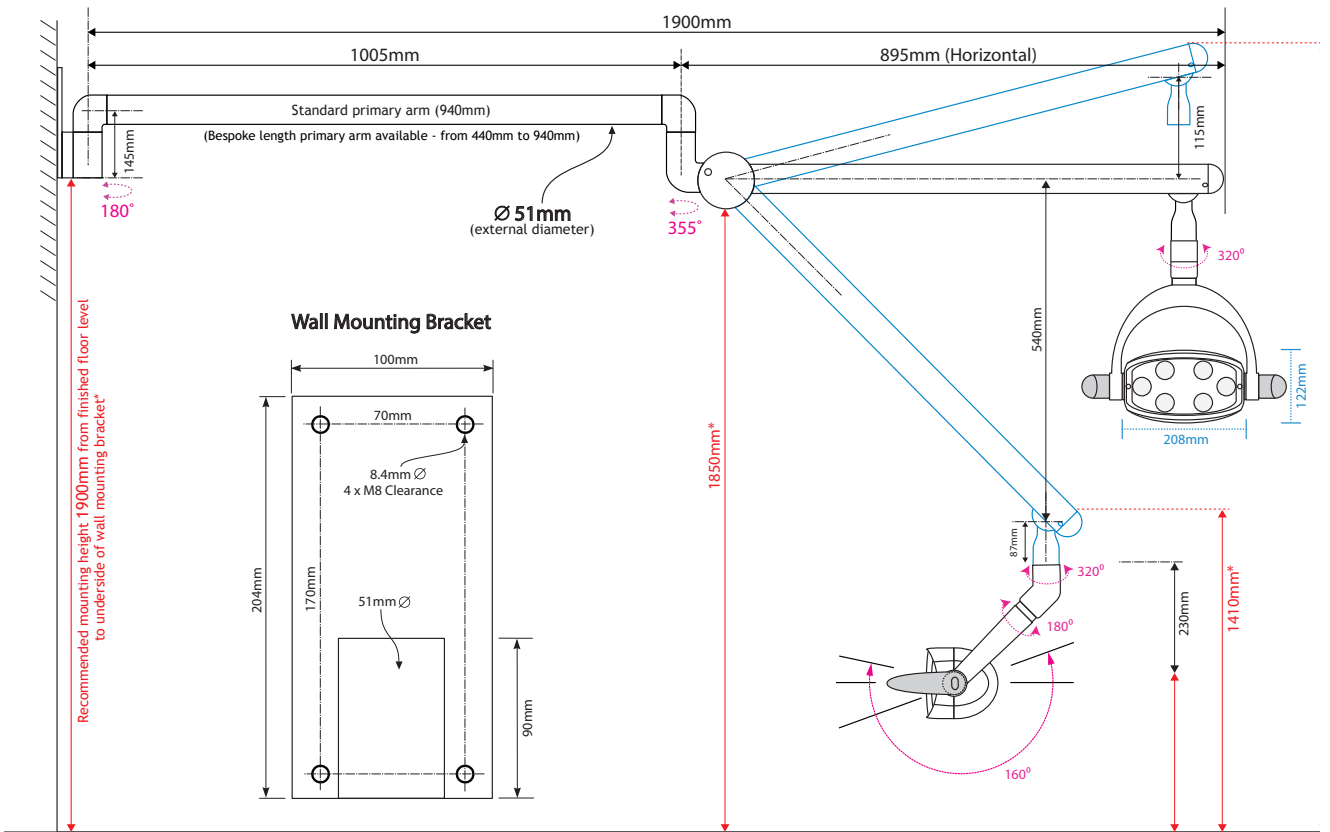
EN 60601-1-4  
EN 60601-2-41:2009  
EN 1041:2008  
EN 598-2-25

# Technical Drawings

## EXCEL LED Ceiling Mount



## EXCEL LED Wall Mount



# Image Gallery

Ceiling Mount Cover (sold separately)



EXCEL LED Ceiling Mount



EXCEL LED



EXCEL LED Wall Mount