

## Product Description

## Coolview® CLED23™

Advanced best-in-class lighting intensity, anti-microbial examination lamp.

Coolview CLED23 delivers the highest lighting performance and colour corrected light, reducing eye strain making the focus of the light vivid and tissues easily identified.

Providing uncompromising lighting performance for the clinician, its high intensity performance and colour corrected light make the focus of the examination vivid and natural. The CLED23 is a perfect light for dermatology, ENT, Gynaecology and sensitive areas such as neonatal and ICU departments.



## Product Images



Ceiling Mounted:  
CLED23TXC



Rail Mounted: CLED23TXRP

Wall Mount



Backplate Wall Mount



Desk mount



Pendant Pole  
Clamp Mounts



Mobile Base



## Product Features

**Highest Light Quality**

CLED23 emits 60,000 Lux of intense bright light at 0.5 m, providing a pool of clear light during procedures. The light intensity can be altered through 4 easily selectable settings providing a suitable level of intensity for all procedures.

**Large Illuminated Area**

A large illuminated area of 190 mm diameter makes it easy to examine large areas of tissue and makes it easier to target the light on the patient.

**High Colour Rendition**

CLED23 reproduces all of the visible colours naturally and accurately. Excellent colour rendition is achieved that supports accurate tissue differentiation (R9) and clear identification of changes in skin tones (R13).

**Colour Control Settings**

CLED23 allows the user to adjust the colour temperature of the light source. This enhances the clinician's ability to recognise and distinguish tissue conditions. The warm white (3,500 K) setting is ideal for dermatological examinations and the daylight white setting (4,500 K) is ideal for the recognition of blood vessels.

**Lasting Anti-microbial Protection**

The CLED23 uses an anti-microbial active substance which is moulded into the lamp head, inhibiting the growth of micro-organisms including MRSA. This is more than an external coating and allows the lamp to be permanently resistant to contamination. Tests have shown that 99% of bacteria and germs are destroyed using the active substance.

**Full Rotation of Light Head**

The Coolview CLED23 light head boasts 360° rotation. This allows the user to position the light beam to suit any procedure, without any restrictive stops or twisted cables. This also means the examination light can be used to provide ambient room lighting by reflecting light from the ceiling. This is a feature often used in neonatal care to provide night lighting. Ceiling mounted models (CLED23T1C) also have unrestricted 360° rotation at the ceiling pole providing even more positioning flexibility.

**Long Arm Reach, Large Angular Movements & Spring-Balanced Positioning**

The exceptionally long, 1200 mm arm reach of the CLED23 ensures the powerful beam can be positioned all around the patient couch. This allows for 'head to toe' examination of the patient without the need for patient repositioning during examination. Innovative spring-balanced arm system ensures the light is positioned effortlessly, remains fixed in place and is maintenance-free.

**Fully Enclosed Light Head and Intuitive Control Panel**

The light head is sealed to prevent the ingress of dust and moisture to IP20.

The easy to use and ergonomic control pod allows all lighting features to be adjusted with a simple press of the button.

**Mountings**

The Light can be specified for mounting on the Ceiling, Wall (with or without Backplate), Desk, "Medirail" or on a Mobile Wheeled Base.

Model Number	Description
CLED23T1C	Coolview CLED23 T1C Articulated Arm Ceiling Mounted Examination Lamp (With Stem)
CLED23T1N	Coolview CLED23 T1N Articulated Arm Ceiling Mounted Examination Lamp (No Stem)
CLED23TXC	Coolview CLED23 TX Articulated Arm Ceiling Mounted Examination Lamp [Limited Rotation (LR) Stem]
CLED23TXBP	Coolview CLED23 TX Articulated Arm Wall Mounted with Backplate Examination Lamp with UK Plug Lead
CLED23TXDP	Coolview CLED23 TX Articulated Arm Desk Mounted Examination Lamp with UK Plug Lead
CLED23TXMP	Coolview CLED23 TX Articulated Arm Mobile Mounted Examination Lamp with UK Plug Lead
CLED23TXRP	Coolview CLED23 TX Articulated Arm Rail Mounted Examination Lamp with UK Plug Lead
CLED23TXWP	Coolview CLED23 TX Articulated Arm Wall Mounted Examination Lamp with UK Plug Lead
CLED23TXA38P	Coolview CLED23 TX Articulated Arm Pendant Ø38mm-Pole Clamp Mounted Examination Lamp with UK Plug Lead
CLED23TXA38P	Coolview CLED23 TX Articulated Arm Pendant Ø25mm-Pole Clamp Mounted Examination Lamp with UK Plug Lead

**Technical & Performance Information:** Unless otherwise stated: All linear dimensions in mm, angles in degrees (±5°) and weights in kg

General System Information	CLED23T1 C	CLED23T1 N	CLED23TX C	CLED23TX BP	CLED23TX DP	CLED23TX MP	CLED23TX RP	CLED23TX WP	CLED23TX A38P	CLED23TX A38P
Lamphead/Arm	CLED23T1		CLED23TX							
Mount Type	Ceiling Stem	Ceiling (No Stem)	Ceiling Limited Rotation Stem	Backplate Wall Mount	Desk Mount	Mobile Base	Rail	Wall Mount	Ø38mm Pendant Pole Clamp	Ø25mm Pendant Pole Clamp
Weight (kg)	8.1	6.2	5.6	2.1	2.4	9.5	2.2	2.1	2.4	2.4
Type of Luminaire	Examination (Luminaire for diagnosis)									
Medical Device Classification	I									
Electrical Classification	I									
Conformity	CE (EU MDR 2017/745); BS EN 60601-1; BS EN 60601-2-41									
Additional Information	Direct Electrical Supply required to stem			Power Lead - 1.8m C7 to UK plug [supplied loose]						
			In line C7 connector							

Mount Type	Ceiling Stem	Ceiling (No Stem)	Ceiling Limited Rotation Stem	Backplate Wall Mount	Desk Mount	Mobile Base	Rail	Wall Mount	Ø38mm Pendant Pole Clamp	Ø25mm Pendant Pole Clamp
Mount Size HxWxD (mm)	400 to 1660 x Ø310 x100	Ø310	280 to 800 x Ø250 x124	130 x130 x70	150 to 210 x70 x40	1000x Ø700	96 (max) x62 x48	91 x59 x67	124 x58 x33	114 x58 x33
Weight of Mount (kg)	6.1	4.2	3.6	0.5	0.35	7.5	0.2	0.1	0.34	0.32
Fixing Type	Permanent	Permanent	Permanent	Permanent	Moveable	Mobile	Moveable	Permanent	Semi-Permanent	Semi-Permanent
Lateral Rotation (±5°)	360°	360°	310°	180°	360°	360°	360 max	180°	330°	330°
Interface Orientation	Vertical Down		15° up form horizontal	Vertical Up	Vertical Up	Vertical Up	Vertical Up	Vertical Up	Vertical Up	Vertical Up
Colour	White		White	White/Grey	Black	Grey/White	Silver	Silver	Silver	Silver
Material	Steel/ Plastic	Steel/ Plastic	Steel	Steel/ Plastic	Polyamide/ Steel	Steel/ Plastic	Aluminium	Plastic	Aluminium	Aluminium

Lamphead/Arm data	CLED23T1	CLED23TX
Light On/Off switch location	Touch Panel on Rear of Lamphead	
Arm Type	Articulated (Spring)	
Fastener type	Ø16 mm Spigot Pin	
Base Joint Type and Angle (°)	Articulating 120°	Articulating 103°
Base Rotation about Spigot (°)	360	360 (max)
Elbow Angle (°)	177	180
Arm Reach	1080	
Lamphead Diameter (mm) Approx	240	
Lamphead Pitch (°)	±90°	
Lamphead Roll (°)	360°	
Lamphead & Arm Weight (kg) Approx	2	2
Power Supply Lead(s) [Plug]	Direct Supply	1.8 m [UK]

Lamphead/Arm Electrical data	CLED23T1	CLED23TX
Primary Power Supply	100-240VAC 50/60 Hz	
Secondary Power Supply Unit	Integral	
Power Consumption	21 W@ Nominal Intensity	
Ingress Protection Rating	IP20	

Lamphead Photometric Data [*-10% +20%]	CLED23
Central Illuminance E <sub>c</sub> @ 0.5 metre (Lux max ±10%)*	60,000
Number & Type of Lights per Lamphead	16 LED
Field diameter D <sub>10</sub> @ 0.5 meter (mm)*	210
Field diameter D <sub>50</sub> @ 0.5 meter (mm)*	120
Nominal Working Distance from Lamphead m	0.5
Adjustable Colour (Red Balance) (K)*	3,500 & 4,500
Colour rendition Ra (Av R1-R8)	>95
Colour rendition R9 (red)	>90
Colour rendition R13	92
Additional	4 Dimming Levels
LED life (hours)	30,000