

**Coolview®**

The Brightest LED Examination Lights





*“Brandon Medical is a UK designer and manufacturer of world-leading equipment for operating theatres, critical care areas and primary care institutions. For over 70 years, Brandon Medical has provided healthcare professionals with reliable, high-quality and affordable medical equipment. Continuous investment in research and development of our products allows us to meet the ever-changing needs of our customers, the healthcare industry and the patients it serves.”*



Coolview® CLED23

Coolview® CLED10

## Lights to suit all of your clinical needs

Brandon Medical provides a comprehensive range of LED medical lights to suit all of your clinical needs. Brandon Medical's LED medical lights use the latest innovations in LED lighting technology to provide you with better performance and lower lifetime costs. The choice of medical lights we offer vary in light intensity, light colour, mounting structures and price so you can choose a light that meets all of your clinical examination needs.



Coolview® CLED50FX

Coolview® CLED30H

## Coolview® CLED10

Compact, high intensity examination lights with slimline light head. CLED10 examination lights use unique diamond optics to reflect light at different angles, ideal for primary care areas.

## New Generation Examination Lights

### Coolview® CLED30 & CLED50

Powerful examination lights designed as multi-purpose, affordable professional lights for your practice.

## Premium Performance

### Coolview® CLED23

Provides uncompromising lighting performance for the clinician. The CLED23 is a perfect light for dermatology, ENT, gynaecology and sensitive areas such as neonatal and ICU departments.





**New Generation Examination Light**

Coolview CLED30SH is a powerful examination light with light intensity of 30,000 Lux, designed to be multi-purpose, but particularly recommended for gynaecology, cervical screening and general examination.

Brandon Medical has designed Coolview CLED30SH as an affordable, professional looking and powerful examination light for your practice.

**Comfortable, Cool Light with Excellent Rendering**

An ideal light for general examination within GP consulting rooms and examination rooms. With a bright white LED light, it renders skin tones realistically, which is critical for correct diagnosis.

**Modern Concept, Ergonomic Design**

The modern design of CLED30SH examination light will inspire confidence in your patients whilst the ergonomics of the head combined with the flexible, stable arm will allow you to handle and position the light effortlessly which will suit the daily use by clinical staff.

**Infection Control**

The fully enclosed light head is sealed to protect from dust and light liquid ingress.

**Brightness Flexibility**

The continuous dimming allows more flexibility when a particular brightness is needed.

Technical Data	
Light Intensity (at 0.5m)	30,000 Lux
Colour Temperature	4,400°K
Illuminated Area (at 0.5m)	180mm
Colour Rendition Index (Ra)	≥93
Colour Rendition Index Red Colour (Rg)	≥90
Head Rotation	300°
Degree of Protection	IP20



CLED®30SH  
Rail Mounted  
Examination Lamp

CLED®30SV  
Rail Mounted  
Examination Lamp

CLED®30SH  
Mobile Mounted  
Examination Lamp

CLED®30SV  
Mobile Mounted  
Examination Lamp

**New Generation Examination Light**

Coolview CLED30SV is a powerful examination light with light intensity of 30,000 Lux, designed to be multi-purpose, but particularly recommended for dermatology, patient care, general and emergency care.

Brandon Medical has designed Coolview CLED30SV as an affordable, professional and powerful examination light for your practice.

**Comfortable, Cool Light with Excellent Rendering**

An ideal light for general examination within GP consulting rooms and examination rooms. With a bright white LED light, it illuminates skin tones realistically, which is critical for correct diagnosis.

**Modern Concept, Ergonomic Design**

The modern design of CLED30SV examination light will inspire confidence in your patients whilst the ergonomics of the head combined with the flexible, stable arm will allow you to handle and position the light effortlessly which will suit the daily use by clinical staff.

**Infection Control**

The fully enclosed light head is sealed to protect from dust and light liquid ingress.

**Brightness Flexibility**

The continuous dimming allows more flexibility when a particular brightness is needed.

Technical Data	
Light Intensity (at 0.5m)	30,000 Lux
Colour Temperature	4,400°K
Illuminated Area (at 0.5m)	180mm
Colour Rendition Index (Ra)	≥93
Colour Rendition Index Red Colour (Rg)	≥90
Head Rotation	300°
Degree of Protection	IP20





**New Generation Examination Light**

Coolview CLED50FX examination lights are the perfect light source for a wide range of procedures. Providing a high intensity, bright natural light, Coolview CLED50FX is perfect for medical consultation in primary care and medical clinics.

**Powerful Light Intensity**

Coolview CLED50FX emits 50,000 Lux of bright natural light at 0.5m providing an intense, clear light source for use in general consultation areas.

**Perfect Colour**

The colour corrected light source with a colour temperature of 4,400°K allows for accurate representation of tissue during examination.

Coolview CLED50FX has a high  $R_a$  of  $\geq 93$  which describes the exceptionally high quality of white light whilst the high measurement of  $R_g$  of  $\geq 90$  describes how accurately it illuminates tissues.

**Infection Control**

The fully enclosed light head is sealed to protect from dust and light liquid ingress.

**Spring Balanced Arm**

The FX spring balanced arm with base rotation of 360° ensures smooth, easy positioning and the arm will stay fixed into position without drifting. The modern concept is designed ergonomically to suit daily use by clinical staff.

**Technical Data**

Light Intensity (at 0.5m)	50,000 Lux
Colour Temperature	4,400°K
Illuminated Area (at 0.5m)	180mm
Colour Rendition Index ( $R_a$ )	$\geq 93$
Colour Rendition Index Red Colour ( $R_g$ )	$\geq 90$
Head Rotation	300°
Head Angle adjustment (lamp head)	180°
Degree of Protection	IP20



CLED®50FX  
Rail Mounted  
Examination  
Lamp



CLED®50SX  
Rail Mounted  
Examination  
Lamp



CLED®50FX  
Rail Mounted  
Examination  
Lamp

CLED®50SX  
Mobile Mounted  
Examination  
Lamp

**New Generation Examination Light**

Coolview CLED50SX examination lights are the perfect light source for a wide range of procedures. Providing a high intensity, bright natural light, Coolview CLED50SX is perfect for medical consultation in primary care and medical clinics.

**Powerful Light Intensity**

Coolview CLED50SX emits 50,000 Lux of bright natural light at 0.5m providing an intense, clear light source for use in general consultation areas.

**Perfect Colour**

The colour corrected light source with a colour temperature of 4,400°K allows for accurate representation of tissue during examination.

Coolview CLED50SX has a high  $R_a$  of  $\geq 93$  which describes the exceptionally high quality of white light whilst the high measurement of  $R_g$  of  $\geq 90$  describes how accurately it illuminates tissues.

**Infection Control**

The fully enclosed light head is sealed to protect from dust and light liquid ingress.

**Multiflex Technology**

The SX arm with base rotation of 360° ensures smooth and easy movement with its enhanced, stable flexible arm for precise positioning. The modern concept is designed ergonomically to suit daily use by clinical staff.

**Technical Data**

Light Intensity (at 0.5m)	50,000 Lux
Colour Temperature	4,400°K
Illuminated Area (at 0.5m)	180mm
Colour Rendition Index ( $R_a$ )	$\geq 93$
Colour Rendition Index Red Colour ( $R_g$ )	$\geq 90$
Head Rotation	300°
Head Angle adjustment (lamp head)	180°
Degree of Protection	IP20





Coolview® CLED23 provides uncompromising lighting performance for the clinician. It's 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.

### Highest Light Quality

CLED23 emits 60,000 Lux of intense bright light at 0.5m, 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 210mm 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. The high  $R_a$  of  $\geq 95$  describes the exceptionally high quality of white light whilst the high R9 of  $\geq 90$  measurement describes how it accurately reproduces visible red.

### Colour Control Setting

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.



CLED®23T1C  
Ceiling Mounted  
Examination Lamp

360°

Day Light



Warm Light

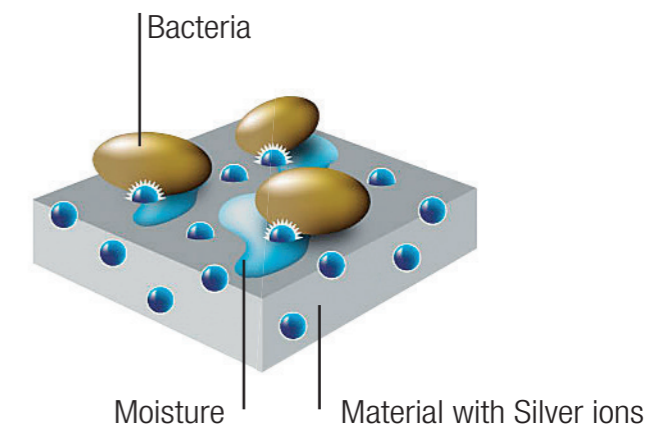


CLED®23TXMP  
Mobile Mounted  
Examination Lamp

### Sanitized® for Lasting 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.

### The Science Behind the Sanitizing



The anti-microbial substance is integrated into the light head during manufacturing. It inhibits the growth of and proliferation of microbes and bacteria, whilst the silver ions destabilise the cell membrane. This prevents the bacteria from multiplying. Tests have shown that 99% of bacteria and germs are destroyed using the Sanitized® active substance.

To find out more visit:  
[www.sanitized.com/en.html](http://www.sanitized.com/en.html)



### Environmentally Friendly

16 powerful and long lasting LEDs (30,000 hours) provide a maintenance-free light source whilst using minimal power consumption. The LEDs do not contain mercury, lead, cadmium, CFCs, POPs, VOCs or halogens.





## 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.

## Full Rotation at Ceiling Pole

Ceiling mounted models (CLED23T1C) also have unrestricted 360° rotation at the ceiling pole providing even more positioning flexibility.

## Long Arm Reach & Large Angular Movements

The exceptionally long, 1200mm 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.

## Spring-Balanced Positioning

Innovative spring-balanced arm system ensures the light is positioned effortlessly, remains fixed in place and is maintenance-free.

## Fully Enclosed Light Head

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



## Intuitive Control Panel

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

## Technical Data

Light Intensity (at 0.5m)	60,000 Lux
Illumination Field	210mm @ 0.5m
LED Life	30,000 hours
Colour Temperature	3,500°K - 4,500°K (2 steps)
Colour Rendition Index (Ra)	≥95
Colour Rendition Index Red Colour (Rg)	≥90
Power Consumption	True Power 21VA Apparent Power 25VA
IP Rating	IP20
Head Rotation	360°
Safety Standards	EN 60601-1, EN 60601-2-41
Mounting Options	Ceiling, back-plate, desk, mobile, wall & rail

\*Specifications may vary by +/-10%

## Part Numbers

CLED23T1C	Ceiling mounted examination light
CLED23TXBP	Back-plate mounted examination light
CLED23TXDP	Desk mounted examination light
CLED23TXMP	Mobile mounted examination light
CLED23TXWP	Wall mounted examination light
CLED23TXRP	Rail mounted examination light
CAR14443	Coolview® rail mount accessory kit

All models are supplied as standard with a 1.8m cable terminating in a UK plug.

## Additional Wiring Options

YA70439	2 metre Lead Type C Europlug to C7 Connection
YA70438	2 metre Lead Type A Nema US 2 pin C7 Connection



# Coolview® CLED10™ LED Examination Lights



Coolview® CLED10 examination lights provide excellent lighting performance to suit your healthcare speciality and budget.

## Professional Light Quality

Thanks to its unique diamond optics, Coolview® CLED10 emits 50,000 Lux of intense bright light at 0.5m perfect for medical procedures.

## Large Illuminated Area

A large illuminated area of 180mm makes it easy to examine large areas of tissue.

## Ergonomic

The CLED10 offers a 280° lamp head rotation with an ergonomic handle offering control of the light.

## Flexibility

The flexible arm ensures positional accuracy and good durability. The sealed construction protects against contamination.

## Colour Corrected Light Source

The colour corrected light source with a colour temperature of 4,400°K allows for accurate representation of tissues during examination.

## Infection Control

Sealed head to protect from dust and light liquid ingress.

## High Colour Rendition

CLED10 reproduces all of the visible colours naturally and accurately. The high Ra of  $\geq 93$  describes the exceptionally high quality of white light whilst the high R<sub>9</sub> of  $\geq 90$  measurement describes how it accurately reproduces visible red.



Coolview® CLED10STRP  
Rail Mounted  
Examination Lamp

Coolview® CLED10STMP  
Mobile Mounted  
Examination Lamp

Sturdy Handle

On/Off Switch

## Technical Data

Light Intensity (at 0.5m)	50,000 Lux
Illuminance Field	180mm
LED Life	50,000 hours
Colour Temperature	4,400°K
Colour Rendition Index (Ra)	$\geq 93$
Colour Rendition Index Red Colour (Rc)	$\geq 90$
Power Consumption	True Power 10.5 - 13VA Apparent Power 11.2 - 17VA
Head Rotation	280°
Safety Standards	EN 60601-1, EN 60601-2-41
Mounting Options	Rail, desk, mobile, wall, back-plate
Degree of Protection	IP20

\*Specifications may vary by +/-10%

## Part Numbers

CLED10STBP	Back-plate mounted examination light
CLED10STDP	Desk mounted examination light
CLED10STMP	Mobile mounted examination light
CLED10STWP	Wall mounted examination light
CLED10STRP	Rail mounted examination light
CAR14443	Coolview® rail mount accessory kit 1mtr
CAR14444	Coolview® rail mount accessory kit 3mtr

All models are supplied as standard with a 1.8m cable terminating in a UK plug.

## Additional Wiring Options

YA70439	2 Metre Lead Type C Europlug to C7 Connection
YA70438	2 Metre Lead Type A Nema US 2 pin C7 Connection



# Coolview® LED Examination Lights

## Mounting Options

# Brandon Equipment Package

For Operating Theatres and Critical Care Areas



### Mounting Options

Brandon Medical's LED examination lamps are available in a variety of mountings to suit all clinical environments. If you are unsure which mounting option is most suitable, please use the table below as a guide to finding the most appropriate configuration.

#### Mobile

- Ideal for getting as close to the patient as possible.
- Easy to move and position.
- Use the light in multiple rooms.

#### Rail

- Added flexibility over a wall mounted light.
- Allows the light to be positioned nearer to the point of examination.
- Allows for easy movement along the couch length.

#### Ceiling

- Can be mounted anywhere in the room.
- Can be positioned out of the way.
- Ideal when space is limited.
- Longer arm reach.

#### Wall

- Lowest cost option.
- Can be hard wired into the wall, freeing up plugs and floor space.
- More secure than a mobile light.

#### Back-plate

- Should be used on non load-bearing walls for example partition walls.
- Can be hard wired into the wall, freeing up plugs and floor space.
- More secure than a mobile light.



Speciality	Rail Mounted	Wall Mounted	Mobile Base	Ceiling Mounted	Desk Clamp
A&E Consulting	All Applicable	All Applicable	All Applicable	X	CLED30
A&E Minors	CLED23	CLED23	CLED23	X	CLED30
Anaesthetics	CLED30	CLED30	CLED30	CLED23	CLED30
Critical Care	CLED23/CLED10	X	CLED23	X	X
Dermatology	CLED30SV CLED23 CLED10	CLED30SV CLED23 CLED10	X	X	CLED30SV
Endoscopy	X	X	CLED23	X	X
General Practitioner	All Applicable	All Applicable	All Applicable	All Applicable	All Applicable
General Ward	CLED30 CLED50 CLED10	All Applicable	CLED30 CLED50	X	X
Gynaecology	CLED30SV CLED23 CLED10	CLED30SV CLED23 CLED10	CLED30SV	CLED23 X X	X X X
Intensive Care Unit	CLED50 CLED23 CLED10	X	CLED50 CLED23 CLED10	X	X
Neonatal Care	CLED50 CLED30SV CLED23 CLED10	X	CLED50 CLED30SV CLED23 CLED10	X	X
Obstetrics	CLED30SH CLED23	CLED30SH CLED23	CLED30SH	CLED23	X
Patient Room	CLED50 CLED30SV	CLED50 CLED30SV CLED10	X	X	X



### Medical Architectural

- Ultra clean ventilation system.
- Medical gas pendants and accessories.
- Operating tables and accessories.

### Medical Audio Video

- Integrated OR solutions.
- Operating theatre 4K video.
- Digital audio video solutions.

### Medical Control and Power

- Medical IT (IPS) and UPS systems.
- Intelligent theatre control panels (ITCP).

### Medical Lighting

- Operating theatre lights.

### Exceeding Standards

Brandon Medical is certified as an ISO 13485 and ISO 9001 manufacturer, the global standard for medical device manufacturers.

Brandon Medical Coolview® lights conform to IEC 60601-1, IEC 60601-1-2 and IEC 60601-2-41







Coolview® lights are part of the Brandon Equipment Package.

Operating Theatre Lights and Battery Back Up  
 Minor Surgical Lights  
 Examination Lights  
 Theatre Control Panels  
 PACS Workstations  
 IPS Isolated Power Systems  
 UPS Uninterruptible Power Systems  
 Medical Gas Pendants and Accessories  
 Ultra Clean Ventilation Canopies  
 Operating Table and Accessories  
 Digital Audio Video Solutions

Brandon Medical Co Ltd, Elmfield Road, Morley, Leeds, LS27 0EL

T: +44 (0)845 1243 666 F: +44 (0)845 1243 667

T: +44 (0)113 2777 393 F: +44 (0)113 2728 844

E: [enquiries@brandon-medical.com](mailto:enquiries@brandon-medical.com)

[www.brandon-medical.com](http://www.brandon-medical.com)

In line with the Brandon policy of progressive improvement, the right is reserved to alter specifications and/or prices without notice. Brandon Medical, HD-LED, Quasar, Astramax, Astralite, Coolview, Symposia, Atlas Pendants, COPAX and Galaxy Ultra are registered trademarks of Brandon Medical Co Ltd.

20/08/2019  
A3111-0004