

# Coolview®

The Brightest LED Examination Lights



# Coolview®

## Accurate Illumination For All Your Examination Needs



*Brandon Medical is a UK designer and manufacturer of world-leading equipment for operating theatres, critical care areas and primary care institutions. For 75 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.*



### 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 needs.



Coolview®  
CLED23



Coolview®  
CLED50FX





## 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.

### 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

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

### Coolview CLED50

Coolview CLED50 examination lights are the perfect light source for a wide range of procedures, providing high intensity, bright natural light.

### Coolview CLED53

Providing a high intensity, bright natural looking light, Coolview CLED53 is perfect for medical consultations that benefit from colour temperature adjustment in primary care and medical clinics.

**Coolview®  
CLED10**

**Coolview®  
CLED53**

**Coolview®  
CLED30H**

# Coolview® CLED30™



*Coolview CLED30 is a powerful professional looking examination light with light intensity of 30,000 Lux and it is an affordable choice for your practice.*

## Comfortable, Cool Light with Excellent Colour 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 essential 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 liquid ingress.

## Brightness Flexibility

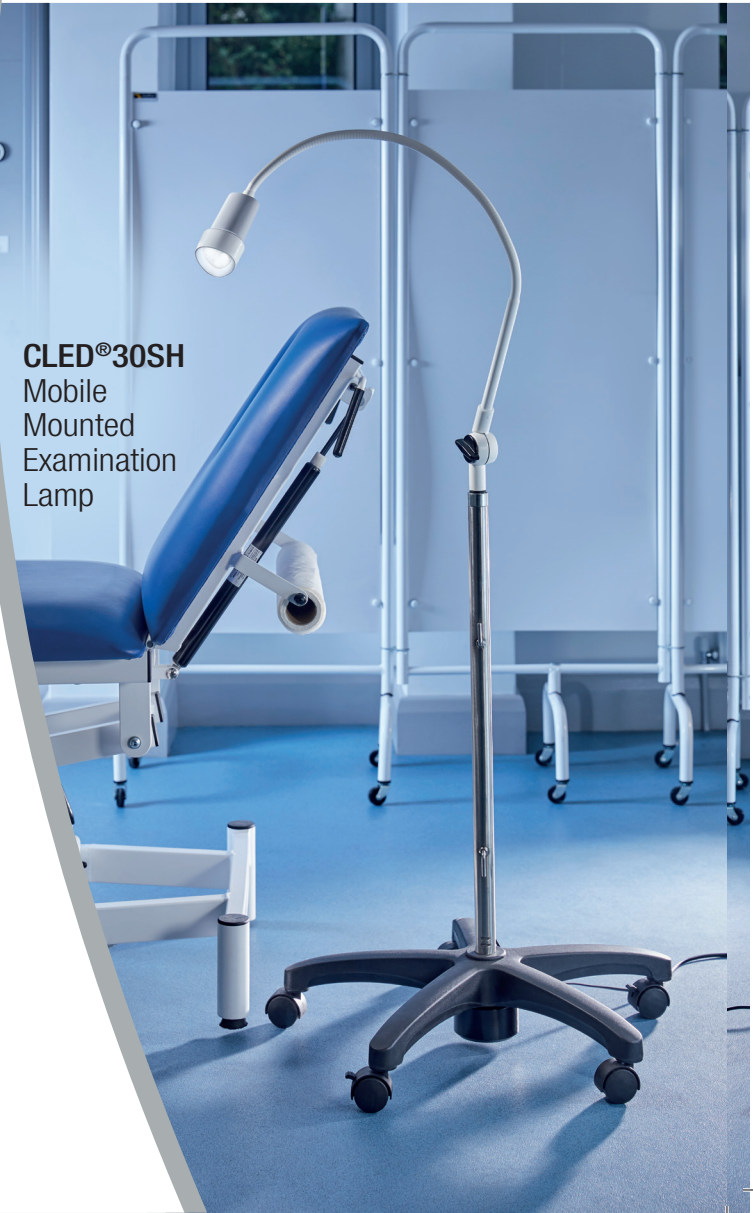
The continuous dimming provides optimum brightness settings.

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 (R9)	>90
Head Rotation	300°
Degree of Protection	IP20

\*Specifications may vary by -10% / +20%



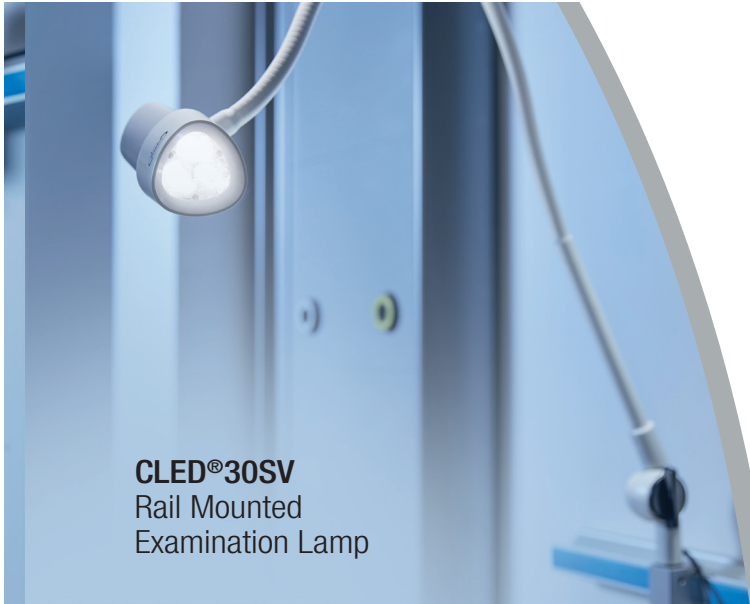
**CLED®30SH**  
Rail Mounted  
Examination Lamp



**CLED®30SH**  
Mobile  
Mounted  
Examination  
Lamp



# New Generation Examination Lights



**CLED®30SV**  
Rail Mounted  
Examination Lamp



**CLED®30SV**  
Mobile  
Mounted  
Examination  
Lamp

## Coolview CLED30SH

Coolview CLED30SH is designed to be multi-purpose light, but because the arm is attached at the rear of the luminaire, it is particularly recommended for gynaecology, cervical screening and general examination.

CLED30SH Part Numbers	
CLED30SHB	Back-plate (wall) mounted examination light
CLED30SHD	Desk mounted examination light
CLED30SHM	Mobile mounted examination light
CLED30SHR	Rail mounted examination light
CLED30SHW	Wall mounted examination light

## Coolview CLED30SV

Coolview CLED30SV is designed to be versatile and it is particularly recommended for dermatology, patient care, general and emergency as the light arm is attached at the side of the luminaire.

CLED30SV Part Numbers	
CLED30SVB	Back-plate (wall) mounted examination light
CLED30SVD	Desk mounted examination light
CLED30SVM	Mobile mounted examination light
CLED30SVR	Rail mounted examination light
CLED30SVW	Wall mounted examination light

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® CLED50™



*Coolview CLED50 examination lights are the perfect light source for a wide range of procedures. Providing a high intensity, bright natural light, Coolview CLED50 is perfect for medical consultation in primary care and medical clinics.*

## Powerful Light Intensity

Coolview CLED50 provides 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 CLED50 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 liquid ingress.



**CLED®50**  
Rail  
Mounted  
Examination  
Lamp



**CLED®50**  
Rail Mounted  
Examination  
Lamp

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



# New Generation Examination Lights



**CLED®50SX**  
Rail  
Mounted  
Examination  
Lamp

## Coolview CLED50FX Spring Balanced Arm

The FX spring balanced rigid arm is offering optimum reach and positioning without drifting.

CLED50FX Part Numbers	
CLED50FXBP	Back-plate (wall) mounted examination light
CLED50FXDP	Desk mounted examination light
CLED50FXMP	Mobile mounted examination light
CLED50FXRP	Rail mounted examination light
CLED50FXWP	Wall mounted examination light
CAR14443	Coolview® rail mount accessory kit 1m



**CLED®50SX**  
Mobile  
Mounted  
Examination  
Lamp

## Coolview CLED50SX Multiflex Technology

The SX arm ensures smooth and easy movement with its enhanced, yet robust flexible arm for precise positioning.

CLED50SX Part Numbers	
CLED50SXP	Back-plate (wall) mounted examination light
CLED50SDP	Desk mounted examination light
CLED50SMP	Mobile mounted examination light
CLED50SRP	Rail mounted examination light
CLED50SWP	Wall mounted examination light
CAR14443	Coolview® rail mount accessory kit 1m

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® CLED53™



*Coolview CLED53 LED examination lights from Brandon Medical are the perfect light source for a wide range of procedures. Providing a high intensity, bright natural looking light, Coolview CLED53 is perfect for medical consultations and examinations in primary care and medical clinics.*

## Powerful, Variable Light Intensity

Coolview CLED53 provides a powerful 50,000 Lux of light at 0.5m, providing an intense, clear light source for excellent visualization. The easily accessible and intuitive controls offer 5 levels of brightness.

## Perfect Colour

The powerful light source is matched with a selectable colour temperature feature, which can be adjusted between 3,300, 3,800 and 4,400°K. This provides the clinician with accurate representation and visualization of the site under examination. Coolview CLED53 offers a high CRI Ra of  $\geq 93$  which describes the exceptionally high quality of white light and excellent overall colour rendition, whilst the high CRI R9 value of  $\geq 90$  can help to enhance visualization of areas where red is more predominant.

## Infection Control

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

## Mountings

The CLED53 examination light operates on a spring balanced rigid arm offering optimum reach, positioning and stability. The light can be specified for mounting on the wall (with or without backplate), desk, rail or on a mobile wheeled base.



**CLED®53FXRP**  
Rail Mounted  
Examination  
Lamp

**CLED®53FXRP**  
Light Intensity  
Control





# New Generation Variable Light Temperature Examination Light



Light head control



50,000LUX  
light intensity

Technical Data	
Light Intensity (at 0.5m)	50,000 Lux
Illuminated Area (at 0.5m)	180mm
LED Life	50,000 hours
Colour Temperature	3,300°K, 3,800°K, 4,400°K (3 steps)
Colour Rendition Index (Ra)	>93
Colour Rendition Index Red Colour (R9)	>90
Power Consumption	12-18W (15-22 VA)
IP Rating	IP20
Head Rotation	300°
Safety Standards	EN/IEC 60601-1; EN/IEC 60601-2-41; EN/IEC 60601-1-2
Mounting Options	back-plate, ceiling, desk, mobile, wall and rail

\*Specifications may vary by -10% / +20%

Part Numbers	
CLED53FXBP	Back-plate (wall) mounted examination light
CLED53FXDP	Desk mounted examination light
CLED53FXMP	Mobile mounted examination light
CLED53FXRP	Rail mounted examination light
CLED53FXWP	Wall mounted examination light
CLED53FXC	Ceiling mounted examination light & 310° rotation pole
CAR14443	Coolview® rail mount accessory kit 1m

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® CLED23™

## Premium Performance



*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 provides 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  $>95$  describes the exceptionally high quality of white light whilst the high  $R_g$  of  $>90$  measurement describes how it accurately reproduces visible red.

### 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.



**CLED®23T1C**  
Ceiling Mounted  
Examination Lamp

360°

### Day light colour temperature



### Warm white colour temperature





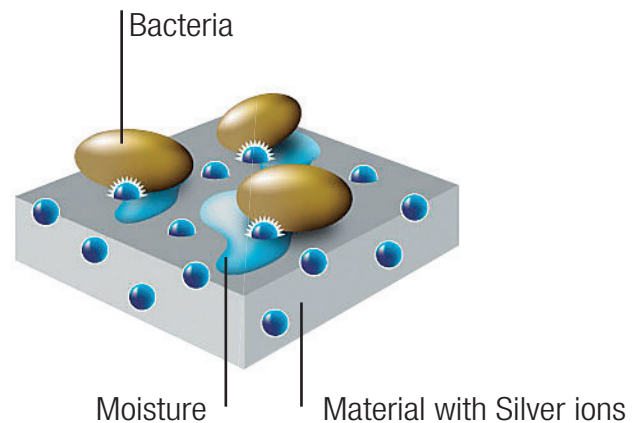


**CLED®23TXMP**  
Mobile Mounted  
Examination Lamp

## Infection Control

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 bio contamination.

## The Science



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 active substance.

## 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.

# Coolview® CLED23™

## Premium Performance



### 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 (R9)	>90
Power Consumption	True Power 21W Apparent Power 25VA
IP Rating	IP20
Head Rotation	360°
Safety Standards	EN 60601-1, EN 60601-2-41
Mounting Options	Ceiling, back-plate, desk, LR Pole, mobile, wall & rail

\*Specifications may vary by +/-10%

**CLED®23TXMP**  
Mobile Mounted  
Examination Lamp



## 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
CLED23T1N	Ceiling mounted examination light (no Stem)
CLED23TXC	Ceiling mounted examination light with LR Pole
CAR14443	Coolview rail mount accessory kit 1m

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 provides 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 >93 describes the exceptionally high quality of white light whilst the high R<sub>g</sub> of >90 measurement describes how it accurately reproduces visible red.



**Coolview® CLED10STMP**  
Mobile Mounted  
Examination Lamp

**Coolview®  
CLED10STRP**  
Rail Mounted  
Examination  
Lamp





Firm 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)	>93
Colour Rendition Index Red Colour (Rc)	>90
Power Consumption	True Power 10.5 - 13W 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

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



### 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

- Affordable 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.

#### Desk

- Easy repositioning of the mounting

Speciality	Rail Mounted	Wall Mounted	Mobile Base	Ceiling Mounted	LR Pole	Desk Clamp
A&E Consulting	All Applicable	All Applicable	All Applicable	X	X	CLED30
A&E Minors	CLED23	CLED23	CLED23	CLED23	CLED23, CLED53	X
Anaesthetics	CLED30 CLED53	CLED30 CLED53	CLED30	CLED23	CLED23 CLED53	CLED30 CLED53
Critical Care	CLED23/CLED10	X	CLED23	X	X	X
Dermatology	CLED30SV CLED23 CLED10 CLED53	CLED30SV CLED23 CLED10 CLED53	X	X CLED53	CLED53	CLED30SV CLED53
Endoscopy	X	X	CLED23	X	X	X
General Practitioner	All Applicable	All Applicable	All Applicable	All Applicable	All Applicable	All Applicable
General Ward	CLED30 CLED50 CLED10 CLED53	All Applicable	CLED30 CLED50 CLED10 CLED53	CLED53	CLED53	X
Gynaecology	CLED30SV CLED23 CLED10	CLED30SV CLED23 CLED10	CLED30SV	CLED23 X X	CLED30SH CLED53	X X X
Intensive Care Unit	CLED50 CLED23 CLED10 CLED53	X	CLED50 CLED23 CLED10 CLED53	X	X	X
Neonatal Care	CLED50 CLED30SV CLED23 CLED10 CLED53	X	CLED50 CLED30SV CLED23 CLED10 CLED53	X	X	X
Obstetrics	CLED30SH CLED23	CLED30SH CLED23	CLED30SH	CLED23 CLED53	CLED23 CLED53	X
Patient Room	CLED50 CLED30SV CLED53	CLED50 CLED30SV CLED10 CLED53	X	X	X	X





## Mounting Accessories

G-Clamp - Table (all)



Back Plate (all)



Wall (all)



Rail (all)



Ceiling pole with  
360° rotation for  
CLED23T1



LR pole with 310°  
rotation for CLED23TX,  
CLED30, CLED50 and  
CLED53



Mobile (all)



# Coolview® LED Examination Lights

## Applications



### General Practitioners (GP)

The examination lights can be ceiling mounted, desk mounted, wall-mounted, rail mounted and mobile mounted. From the advanced best in class, anti-microbial Coolview CLED23 to Optica MDV and Optica WDS(Woods) illuminated magnifiers, Brandon Medical can offer solution to suit your healthcare specialty and budget needs.

### Veterinary

If you need examination lighting or minor surgery lighting for veterinary referral hospitals, Brandon Medical is the most suitable choice for your practice. We also provide mobile solutions suitable for buildings which could not sustain the weight of a ceiling-mounted structure.

### Dental

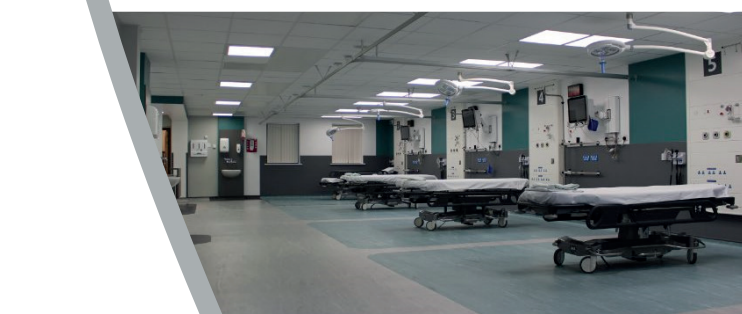
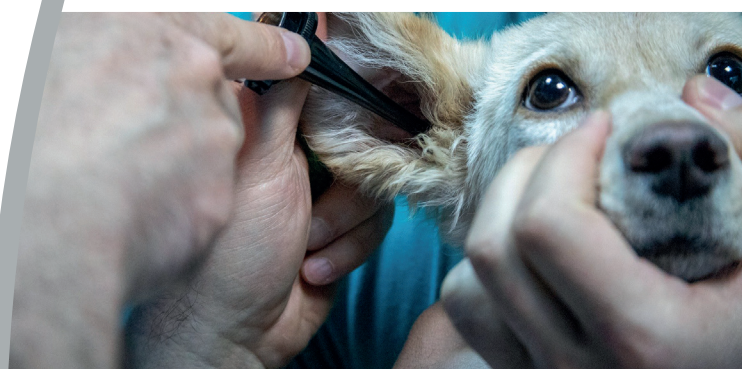
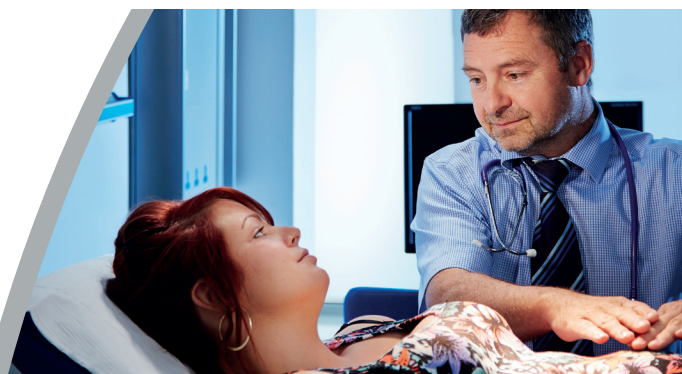
The ability to adjust the colour temperature with a single touch between the ideal daylight for shade taking and red balance control for tissue surgery makes Brandon Medical uniquely suited for high-end specialist dentistry.

### Intensive Care Unit

Intensive care unit is normally the entry point for a critically ill or injured patient into the hospital. Visual examination plays a major role in deciding the right treatment. This demands a high level of illumination as well as good colour rendering where Brandon Medical Coolview lights range steps in. The variety of mounting options that Coolview range has, allows the most appropriate configuration to be chosen.

### Accident and Emergency Resuscitation

Brandon Medical Coolview examination lights are ideal for A&E department where patients and clinical staff can benefit from HD-LED technology, high light intensity and infection control which are suitable for the smooth work flow and good patient outcome.







## 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



**Manufactured by:**

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)

EC	REP
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**EU Authorised Representative:**

(On behalf of Brandon Medical Co Ltd):  
 European Healthcare and  
 Device Solutions (Ireland) Ltd,  
 Stratton House,  
 Bishopstown Road, Cork,  
 T12 Y9TC Ireland

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