

Coolview®

The brightest LED examination lights



Coolview® Accurate illumination for all your



Brandon Medical is a UK manufacturer and designer of world-leading technology for the operating room, intensive care units and primary care institutions.

For more than 65 years, Brandon Medical has provided healthcare professionals with reliable, high quality, affordable examination lighting. The continuous investment in 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 is able to provide a comprehensive range of LED examination lights to suit all of your clinical needs. Brandon Medical's LED examination lights use the latest innovations in LED lighting technology to provide you with better performance and lower life time costs. The choice of examination lights we offer vary in light intensity, colour rendering quality, mounting structures and price so you can choose a light that meets all of your clinical examination needs.



examination needs.



Premium Performance 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.

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General Examination Coolview® CLED11

Bright natural light, high intensity compact examination lamp.

CLED11 examination lamp is the perfect mid-range lamp for a wide range of procedures. The CLED11 provides a high intensity, bright natural light, perfect for medical consultation in primary care and medical clinics.

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Economical Coolview Eco™

Lighting performance to suit your healthcare speciality and your budget.

Coolview Eco™ emits an intense white bright light only using 7 watts of power.

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Coolview CLED23™ LED examination lamps



Coolview CLED23™ provides 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.

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 190mm 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 Ra of ≥ 93 describes the exceptionally high quality of white light whilst the high R₉ 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.



Day Light



Warm Light



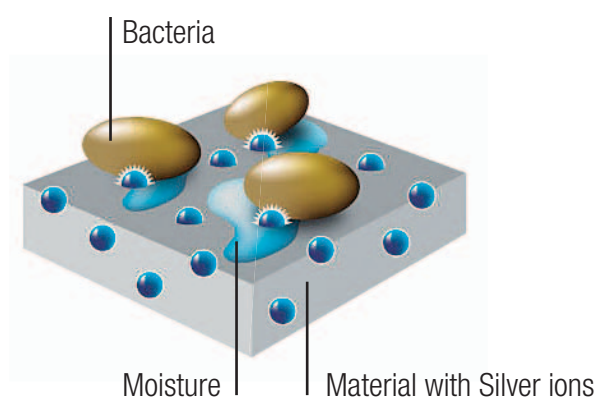
– Advanced best-in-class



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



Environmentally Friendly

16 powerful and long lasting LEDs (30,000 hours) provide a maintenance free light source whilst using minimal power consumption. The LED's do not contain Mercury, Lead, Cadmium, CFCs, PoPs, VOCs or Halogens.

Coolview CLED23™ LED examination lamps



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 IP43



Scan to view product demonstration video

– Advanced best-in-class



Intuitive Control Panel

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



Technical Data

| | |
|--|---|
| Light Intensity@ 0.5m | 60,000 Lux |
| Illuminance Field | 190mm |
| LED Life | 30,000 hours L70 B50 |
| Colour Temperature | 3,500°K & 4,500°K |
| Colour Rendition Index (Ra) | ≥ 93 |
| Colour Rendition Index Red Colour (R9) | ≥ 90 |
| Power Consumption | True Power 14.9W Apparent power 20VA |
| IP Rating | 43 |
| Base of arm rotation | 240° |
| Head rotation | 360° |
| Class of Protection | II |
| Safety Standards | EN 60601-1, EN 60601-2-41 |
| Mountings | Ceiling, back-plate, desk, mobile, rail & wall |

Part Number

| | |
|------------|--------------------------------------|
| 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 |
| CABKTRAIL | Coolview rail mount accessory kit |

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

Additional Wiring Options

| | |
|--------|----------------------------|
| CC1MKL | 1 metre Curly Cord UK Plug |
| CC3MSL | 3 metre Schuko Plug |
| CC3MUL | 3 metre US Plug |

Coolview® CLED11™ FX

LED Examination Lamps – Bright natural light, high intensity, comp



Coolview CLED11™FX examination lights are the perfect light source for a wide range of procedures. The CLED11™FX provides a high intensity, bright natural light, perfect for medical consultation in primary care and medical clinics.

Delivering High Illumination

CLED11™FX emits 40,000 Lux of bright natural light at 0.5m providing an intense, clear light source for use in general consultation areas. The light intensity is fixed at an optimised level for general examination and ease of use.

Colour Corrected Light Source

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

High Colour Rendition

CLED11™FX 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 R₉ of ≥ 90 measurement describes how it accurately reproduces visible red.

Comfortable, Cool Light Source

CLED11™FX does not emit any infrared radiation, avoiding heat exposure during examinations.

Large Illuminated Area

A large illuminated area of 180mm diameter makes it easy to examine large areas of tissue and makes it easier to target the light on the patient.

Spring-balanced Technology

The elegant FX spring-balanced arm ensures smooth, easy positioning and the arm will stay fixed into position without drifting. The arm has a reach of 940mm and includes an integrated transformer. The FX arm also has a turn restrictor to prevent it from being pushed into the wall and locking devices to prevent accidental removal from fixing brackets.



act examination lamp.



Unrestricted 360° Ceiling Pole Rotation

Coolview CLED11™ ceiling mounted examination light boasts unrestricted 360° rotation. This allows the user to position the light beam to suit any procedure, without restrictive stops and twisted cables.

Environmentally Friendly

CLED11™FX emits an intense bright light and only using 8 watts of power. The CLED11™FX does not contain mercury, lead, cadmium, CDC's, PoPs, VOCs or Halogens.

Technical Data

| | |
|--|---|
| Light Intensity @ 0.5m | 40,000 Lux |
| Illuminance Field | 180mm |
| LED Life | 30,000 hours L70 B50 |
| Colour Temperature | 4,400°K |
| Colour Rendition Index (Ra) | ≥ 93 |
| Colour Rendition Index Red Colour (R9) | ≥90 |
| Power Consumption | True Power 8-13W Apparent Power 18.1 VA |
| Base of arm rotation | 240° |
| Head rotation | 270° |
| Class of Protection | II |
| Safety Standards | EN60601-1, EN60601-2-41 |
| Mountings | Ceiling, back-plate, desk, mobile, rail & wall |

Part Number

| | |
|------------|--------------------------------------|
| CLED11L1C | Ceiling mounted examination light |
| CLED11FXBP | Back-plate mounted examination light |
| CLED11FXDP | Desk mounted examination light |
| CLED11FXMP | Mobile mounted examination light |
| CLED11FXWP | Wall mounted examination light |
| CLED11FXRP | Rail mounted examination light |
| CABKTRAIL | Coolview rail mount accessory kit |

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

Additional Wiring Options

| | |
|--------|----------------------------|
| CC1MKL | 1 metre Curly Cord UK Plug |
| CC3MSL | 3 metre Schuko Plug |
| CC3MUL | 3 metre US Plug |

Coolview® CLED11™ SX

LED Examination Lamps – Bright natural light, high intensity, comp



Coolview CLED11™SX examination lights are the perfect light source for a wide range of procedures. The CLED11™SX provides a high intensity, bright white light, perfect for medical consultation in primary care and medical clinics.

Delivering High Illumination

CLED11 emits 40,000 Lux of bright natural light at 0.5m providing an intense, clear light source for use in general consultation areas. The light intensity is fixed at an optimised level for general examination and ease of use.

Colour Corrected Light Source

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

High Colour Rendition

CLED11™ 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 R₉ of ≥ 90 measurement describes how it accurately reproduces visible red.

Emergency Power Supply Unit

Emergency power supply unit available optionally upto 02 hours backup.

Large Illuminated Area

A large illuminated area of 180mm diameter makes it easy to examine large areas of tissue and makes it easier to target the light on the patient.

Multi-flex Technology

The elegant SX multi-flex arm ensures smooth and easy positioning but with an enhanced flexible arm for a precise positioning. The arm has a reach of 850mm and includes an integrated transformer. The SX arm also has a turn restrictor to prevent it from being pushed into the wall and locking devices to prevent accidental removal from fixing brackets.



act examination lamp with additional flexibility.



Environmentally Friendly

CLED11™SX emits an intense bright light and only using 11 watts of power. The CLED11™SX does not contain mercury, lead, cadmium, CDC's, PoPs, VOCs or Halogens.

Technical Data

| | |
|--|---|
| Light Intensity @ 0.5m | 40,000 Lux |
| Illuminance Field | 180mm |
| LED Life | 30,000 hours L70 B50 |
| Colour Temperature | 4,400°K |
| Colour Rendition Index (Ra) | ≥ 95 |
| Colour Rendition Index Red Colour (R9) | ≥ 90 |
| Power Consumption | True Power 8-13W Apparent Power 18.1VA |
| Base of arm rotation | 240° |
| Head rotation | 270° |
| Class of Protection | II |
| Safety Standards | EN60601-1, EN60601-2-41 |
| Mountings | Back-plate, desk, mobile, rail & wall |

Part Number

| | |
|------------|---|
| CLED11SXBP | Back-plate mounted examination light with multiflex arm |
| CLED11SXDP | Desk mounted examination light with multiflex arm |
| CLED11SXMP | Mobile mounted examination light with multiflex arm |
| CLED11SXWP | Wall mounted examination light with multiflex arm |
| CLED11SXRP | Rail mounted examination light with multiflex arm |
| CABKTRAIL | Coolview rail mount accessory kit |

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

Additional Wiring Options

| | |
|--------|----------------------------|
| CC1MKL | 1 metre Curly Cord UK Plug |
| CC3MSL | 3 metre Schuko Plug |
| CC3MUL | 3 metre US Plug |

Coolview Eco™

LED Examination Lights – The perfect choice for value and performance



Economical and Efficient

The Coolview Eco™ LED examination light is perfectly suited for consulting rooms and GP treatment rooms. Coolview Eco™ emits an intense, white bright light equivalent to a 20W halogen bulb but only using 7W.

Positioning and Long Reach

Articulated arm system ensures the light is easy to move, easy to position and does not drift. Long arm reach extends to 900mm to provide a large working envelope.

Quality, Safety and Reliability

- LED Examination Lighting
- LED life > 30,000 hours
- Light Intensity 6,000 lux



formance



Cold Light

Coolview Eco™ LED does not emit infrared radiation, avoiding heat exposure during examinations

Environmentally Friendly

No Mercury, Lead, Cadmium, CDCs, PoPs, VOCs or Halogens. LED life is 30,000 hours, over 15 years of normal use, making Coolview Eco™ highly economical.

Technical Data

| | |
|------------------------|--|
| Light intensity @ 0.5m | 6,000 Lux |
| Illuminance Field | 460mm |
| LED Life | 30,000 hours |
| Colour Temperature | Approx 4,000°K |
| Luminaire Body | Polyamide |
| Power Consumption | True Power 7-11 W Apparent Power 19-27 VA |
| Base of arm rotation | 240° |
| Head rotation | 270° |
| Class of Protection | II |
| Safety Standards | EN 60601-1, EN 60601-2-41 |
| Mountings | Rail, desk, mobile & wall |

Part Number

| | |
|-----------|---|
| ELED7HXB | Back-plate mounted examination light |
| ELED7HXDT | Desk mounted examination light |
| ELED7HXMT | Mobile mounted examination light |
| ELED7S3M | Mobile mounted examination light with flexible arm* |
| ELED7HXWT | Wall mounted examination light |
| ELED7HXRT | Rail mounted examination light |
| CABKTRAIL | Coolview rail mount accessory kit |

*Not suitable for gynaecological procedures

LED Examination Lamps Mounting Options

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

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

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



Use our guide to find the perfect light for your application

| Speciality | Rail Mounted | Wall Mounted | Mobile Base | Ceiling Mounted | Desk Clamp |
|----------------------|-----------------|-----------------|-----------------|-----------------|----------------|
| A & E Consulting | All Applicable | All Applicable | All Applicable | x | x |
| A & E Minors | CLED23 / CLED11 | CLED23 / CLED11 | CLED23 / CLED11 | CLED23 / CLED11 | x |
| Anaesthetics | X | X | X | CLED23 | x |
| Critical Care | CLED23 / CLED11 | x | CLED23 / CLED11 | CLED23 | x |
| Dermatology | All Applicable | All Applicable | x | x | x |
| Endoscopy | x | x | CLED23 | x | x |
| General Practitioner | All Applicable | All Applicable | All Applicable | All Applicable | All Applicable |
| General Ward | CLED11/ELED7 | CLED11/ELED7 | All Applicable | x | x |
| Gynaecology | CLED23 | CLED23 | x | CLED23 | x |
| Intensive Care Unit | CLED23 | x | CLED23 | x | x |
| Neonatal Care | CLED23 | X | CLED23 | X | x |
| Obstetrics | CLED23 | CLED23 | x | CLED23 | x |
| Patient Room | CLED11/ELED7 | CLED11/ELED7 | x | x | x |



Exceeding standards

Brandon Medical is certified as an ISO 13485 and ISO 9000 manufacturer, the global standard for medical device manufacturers. Brandon Medical Coolview® examination lights meet IEC 60601-1, IEC 60601-1-2 and IEC 60601-2-41



UK Customs
Approved Exporter
Status GB 16164/13



Intertek



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION



061

Glossary

Light Intensity (Lux)

The measure of light intensity normally calculated at 0.5m for examination lights and 1m for surgical procedure lights. The higher lux, the better, however, this should not be at the expense of the field size.

Field Size

A bigger illuminated field allows for a larger working envelope. An adjustable beam size allows the user to alter this to their preference.

Colour Rendition Index Ra (Average)

This is a measure of how well a light source reproduces colours. It is measured on a scale of 1-100, with 100 being the perfect Ra

Colour Rendition Index R₉ (Red)

R₉ indicates visible red colour reproduction which is a critical parameter for medical lighting. It is measured on a scale of 1-100, 100 being the perfect R₉.

Adjustable Colour Temperature

Measured in degrees Kelvin (°K). The optimum colour temperature for medical lighting is 4,300°K which is a natural light. Lights with an adjustable colour temperature are ideal for distinguishing different tissues



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