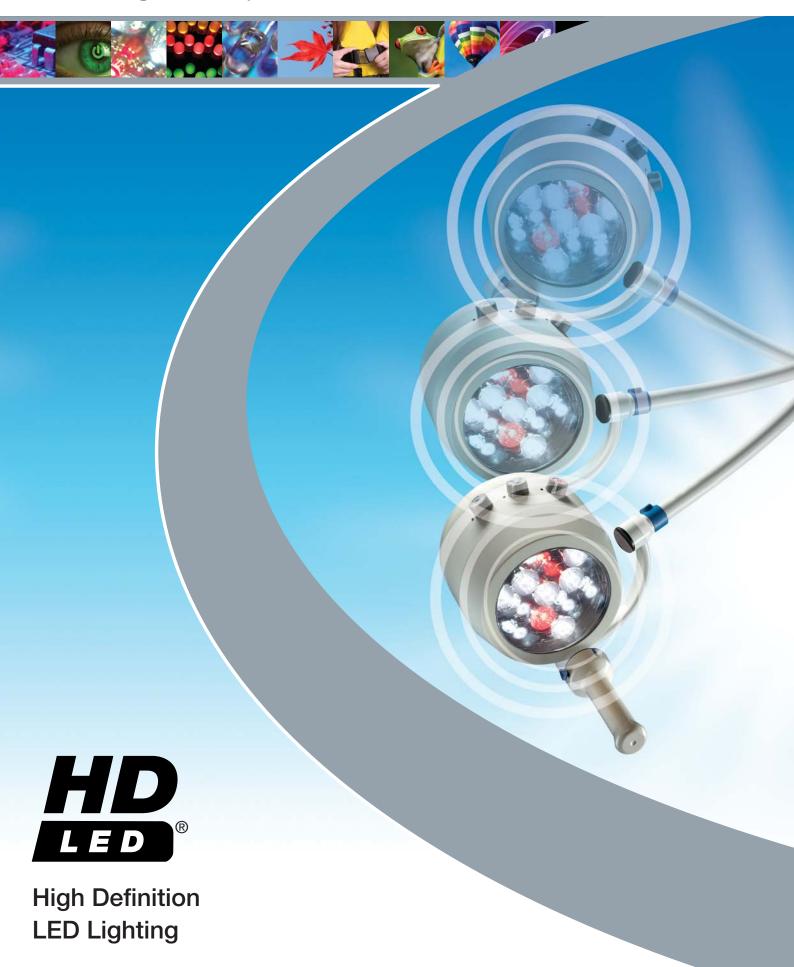
Astralite HD-LED®

Minor Surgical Lamps









Astralite - HD-LED® technology in a Minor Surgical Light

High Definition LED is a breakthrough technology that changes the fundamental parameters of lighting.

The application of this advanced technology to Astralite minor surgical lights will prove invaluable to both the patient and practitioner's experience.



The only surgical lighting with near perfect colour rendition across the full visible spectrum. Natural white light picks out all the visible colours for your eyes so you can clearly see without eye strain.

- Easy to distinguish small differences in tissue
- All the colours are strong and vibrant
- Reduced eye strain by making the light do the work instead of the eye

Fat Beam Illumination

More light flux provides the biggest beams of light in the business, bigger illuminated fields and more light across the full width of the illuminated area.

- High light intensity across the full illuminated area for uniform vision
- Avoids visual distraction by reducing high contrast in the illuminated area
- Adjust the beam size to suit your working area to eliminate peripheral distraction

Red Balance Control

The highest R_9 red colour rendition of any other product provides the optimum visualisation of red tissues. Red balance enhancement compensates for our natural weakness in distinguishing shades of red and is user adjustable to fine tune the light to match our own red vision and the surgical conditions.

- Enhanced visualisation of red tissues
- Improved differentiation between tissues of similar colour
- You can adjust the light colour to match your own optical colour response

Astralite HD-LED® Real Operating Lights for



Large Movement Range

Astralite is designed so that the lamp head can be positioned all the way around the couch to examine all parts of the patient. The 5 rotations allow easy positioning of the lamp beam from any angle.



Long Life

LED life is 40,000 hours which equates to more than 20 years of normal use.



Variable Intensity Cold Light

LEDs only emit cold light without any infra red which is ideal for comfort and safety. Variable intensity control is provided to set optimum illumination levels for the procedure.



Environmentally Friendly

Astralite LED uses less than 30 Watts of electricity to produce a large fat beam. LEDs are mercury free, do not contain CFCs, PoPs, VOCs, halogens or other harmful chemicals and are RoHS compliant.



Minor Surgery





Solid State Focusing

World's first patented technology using LEDs with different beam shapes, superimposed on top of each other. This produces an extremely effective and reliable focus system with a big range of adjustment.



Shadow Control

By spreading the LEDs across the whole lighting surface, a much better distribution of light is provided from the lamp head. This enables excellent shadow control to under-light obstructions during procedures.



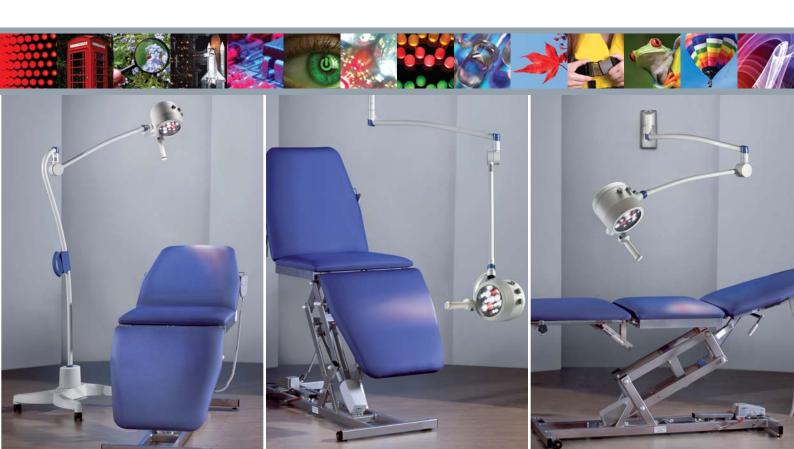
Economical

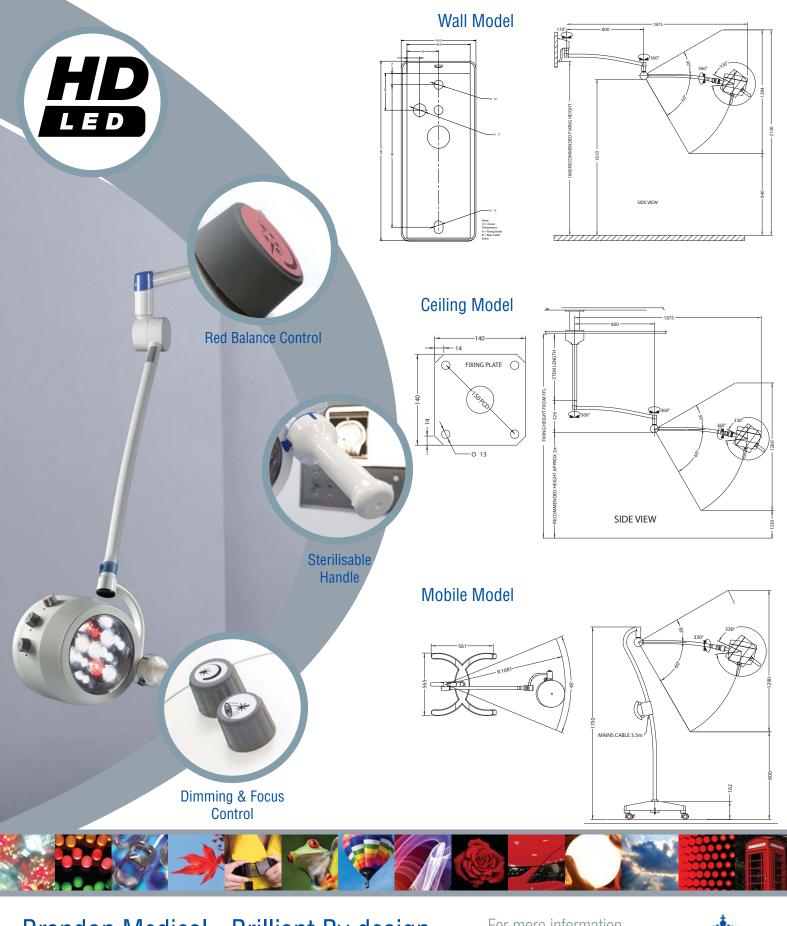
Never having to change a bulb for the lifetime of the product means that Astralite LED is highly economical. HD-LED® is substantially more efficient at producing more surgical quality light for less power.



Anti-microbial incorporating Polygiene[™]

Incorporating Polygiene[™] anti-microbial technology to destroy harmful bacteria, viruses and yeasts including MRSA.





Brandon Medical - Brilliant By design

Brandon Medical are experts in the field of medical lighting design with over 40 years of healthcare experience. The Company manufactures and markets a wide range of medical lighting products, from major operating theatre lights through to bed head lights. Brandon has a strong reputation for research and innovation, having won numerous international awards for design. Brandon products are in use throughout the world and are supported by an extensive distributor network.

It is the Company's aim to deliver the best possible customer service, excellent quality and the most advanced products. Brandon Medical's policy is simply to be "Brilliant By Design"

For more information about Brandon products call +44 (0)113 2777393









Astralite HD-LED® Technical Information



RED

 R_9

98

Enhanced Red

Balance R₉

R₉ indicates visable red colour

reproduction which is a critical

parameter for surgical lights.

Data Common	to all Mod	lels
Colour Rendition Index	Ra	95
Colour Rendition (Red)	R ₉	98
Colour Temperature	Kelvin	4,300
LED life	Hours	> 40,000
Power Consumption	Watts	< 30
Hygienic Seal		IP54
Radiant Energy	W/m²/Klux	3.49

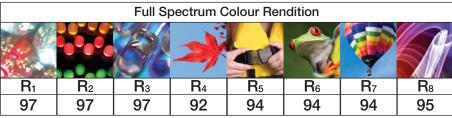
Typical Applications						
Vasectomy	Accident & Emergency	Dermatology Procedures	Research Laboratories			
Catheter Labs	G.P. Treatment Rooms	Anaesthetic Rooms	Day Surgery Rooms			
Prolonged Examination	Orthodontic Surgery	Delivery and Obstetrics	Mortuary			
Chiropody	Podiatry	Wound Repair	Gynaecology			

Adjustable Focus Models						
Mounting Type	Ceiling Height	Part Number	Light Intensity	Illuminated Field Size	Net Weight	
Mobile Model		ALED10 RM	50,000 Lux @ 1m	180-360mm	20 Kg	
Mobile Model		ALED10 RMEL	50,000 Lux @ 1m	180-360mm	33 Kg	
Wall Model		ALED10 RW	50,000 Lux @ 1m	180-360mm	8.7 Kg	
Wall Model		ALED10 RWST	50,000 Lux @ 1m	180-360mm	7.5 Kg	
Ceiling Model	3.00-2.60m	ALED10 RCA	50,000 Lux @ 1m	180-360mm	11.5 Kg	
Ceiling Model	2.60-2.45m	ALED10 RCB	50,000 Lux @ 1m	180-360mm	11.5 Kg	
Ceiling Model	<2.4m	ALED10 RCC	50,000 Lux @ 1m	180-360mm	11.5 Kg	
Ceiling Model	3.00-2.60m	ALED10 RCAST	50,000 Lux @ 1m	180-360mm	11.5 Kg	
Ceiling Model	2.60-2.45m	ALED10 RCBST	50,000 Lux @ 1m	180-360mm	11.5 Kg	
Ceiling Model	<2.4m	ALED10 RCCST	50,000 Lux @ 1m	180-360mm	11.5 Kg	



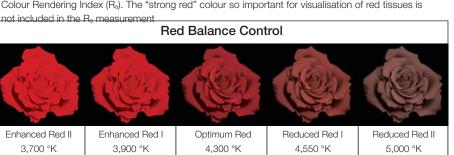
Colour Rendering Index Ra

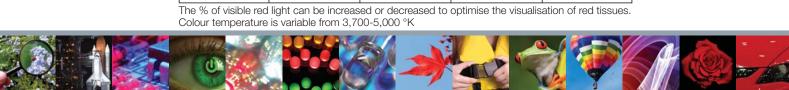
Colour Rendering Index (Ra) is a measure of how well a light source reproduces colours.



Near Perfect Colour Rendition Across the Visable Spectrum R₁-R₈

HD-LED has near perfect colour rendition for all 8 colour measurements used to calculate general Colour Rendering Index (Ra). The "strong red" colour so important for visualisation of red tissues is





Optional Emergency Power Systems

All mobile models can be supplied with an integral emergency power supply for up to 3 hours support.

Enhanced Red II

3.700 °K

Part numbers are given the suffix "EL" to indicate emergency power

A stand alone emergency power supply for up to 3 hours operation is available for wall and ceiling models.

The part number for the stand alone power supply is BEPU0100L.

S.E.L.V. (Safe Extra Low Voltage) Applications

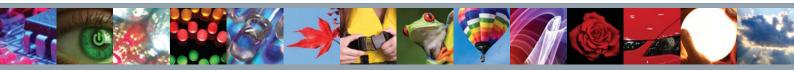
All models can be supplied with external power supplies for S.E.L.V. applications.

Part numbers are given the suffix "ST" to indicate external power supply.

High Intensity Setting

All models are available with a high intensity setting.









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In line with the Brandon policy of progressive improvement, the right is reserved to alter specifications and/or prices without notice.

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