Quasar® *eLite*
Duo Single Cardanic

Brandon MEDICAL
BRILLIANT BY DESIGN

HD LED
LED Lighting

Watch the Video

Quasar® *eLite* Unique Benefits

British Design & Technology

Quasar® *eLite* has been designed in Great Britain with inputs from leading product designers and practicing surgeons. Quasar® *eLite* incorporates collaborative research and technology outputs funded by the European Commission and performed by World renowned technology partners.

Made in the UK, Supplied Worldwide

Quasar® *eLite* is manufactured in a state-of-the-art facility in Leeds, England by a team with over 65 years' experience in making surgical lights and supplying them to customers around the world.

Brandon Medical Co Ltd

Quasar® *eLite* is designed and manufactured by Brandon Medical, a British company established in 1946. Brandon Medical has won numerous awards for design and innovation in the field of medical lighting, medical video systems and integrated operating rooms.

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Why Quasar® *eLite*?

Near Perfect Colour Rendition with Red Balance Control

For the best visualisation of tissue during surgery.

Fat Beam Technology

The largest light beams of any current product with high intensity across the full beam width.

Unique Comfort Halo

A soft halo of light to reduce eye strain from high contrasts of light intensity.

Designed to Minimise Infections

Easy to clean, sealed light head, remote controls and anti-microbial coatings.

HDI-SDI Camera "Inside"

Integrated cameras are fully enclosed inside the light head for cleanliness and reduced cost.

Premium Quality Movement

Low weight light head and perfectly balanced arm system.

Quasar® *eLite* DSC

Quasar® *eLite* DSC

The Quasar® *eLite* is now available on a light weight duo structure, suitable for any operating theatre setting.

The structure offers two high quality single cardanic lamp heads on an easily maneuverable structure.

The lamps are available in three, customisable combinations, depending on the needs of the clinician:

- Qe6060
- Qe6030
- Qe3030

Unique Features

- Uses Brandon Medical's duo structure with a full 360° rotation at each joint.

- Uses SC Single Cardanic lamp head support arm.

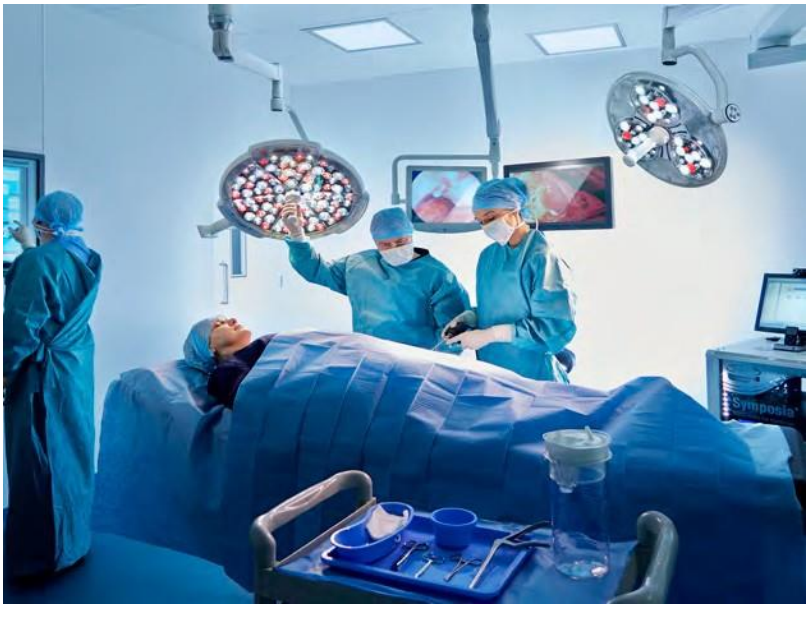
- Equipped with a choice of Qe60 or Qe30 lamp heads.

- Both lamp heads provide 160,000 lux of cool shadowless light.

- Supplied with adjustable stem as part of the package price.

- Supplied with a single 150W PSU as part of the package price.

(Can add optional second PSU for fully IEC60601 compliant installation).



Quasar® *eLite* Technical Data

QE60

QE30

	QE60	QE30
Light Quality Characteristics		
Maximum light intensity	160,000 Lux	160,000 Lux
Beam Size Characteristics (measured at 1m)		
Light Field Diameter (d10)	200-420mm	140-310mm
Light Field Diameter (d50)	120-250mm	70-155mm
Beam Uniformity (d50/d10 Ratio)	0.6	0.5
Comfort Halo	2,000mm	Non Applicable

	QE60	QE30
Electrical & Mechanical Characteristics		
Nominal Power Consumption	48W	41W
Radiant Energy mW/m².Lux	<3.31	<3.31
IP Rating of Light Engine	54	54
LED Life	>60,000 Hours	> 60,000 Hours

*Movement dimensions are approximate and subject to manufacturing variances of + / - 10%.

Part Number

Qe3030DSC Quasar *eLite* (160,000 Lux) with 1 satellite (160,000 Lux)
Qe6060DSC Quasar *eLite* (160,000 Lux) with 1 satellite (160,000 Lux)
Qe6030DSC Quasar *eLite* (160,000 Lux) with 1 satellite (160,000 Lux)

Single Cardanic Yoke.

Quasar® *eLite* is available in a variety of mounting combinations to suit the needs of the surgical environment. HD camera options can be integrated into the slim light head and a range of suspension arms are also available for the perfect integration in hybrid operating theatres and low ceiling theatres.

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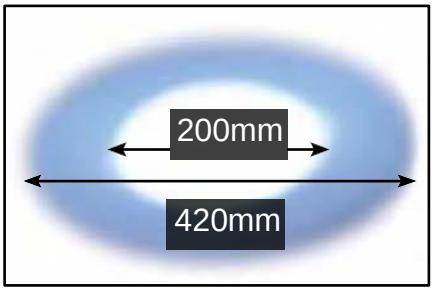
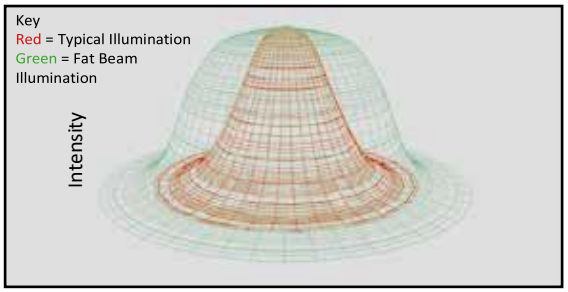
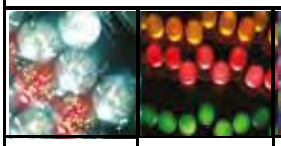
Fat Beam Technology





- 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

CRI	Full Spectrum Colour Rendition								RED
									
R_a	R_1	R_2	R_3	R_4	R_5	R_6	R_7	R_8	R_9
95	99	97	93	93	98	96	94	92	95

Colour Rendering Index R_a

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

Near Perfect Colour Rendition Across the Visible Spectrum R_1-R_8

HD-LED has near perfect colour rendition for all 8 colour measurements used to calculate general Colour Rendering Index (R_a). The "strong red" colour so important for visualisation of red tissues is not included in the Ra measurement.

Enhanced Red Balance R_9

R_9 indicates visible red colour reproduction which is a critical parameter for surgical lights.

Red balance Control

Enhanced Red II	Enhanced Red I	Optimum Red	Reduced Red I	Reduced Red II
3,100 °K	3,400 °K	3,700 °K	4,100 °K	5000 °K

The % of visible red light can be increased or decreased to optimise the visualisation of red tissues. Colour temperature is variable from 3,100°K-4,600°K.

UK Customs Approved Exporter Status GB 16164/13

QUALITY ASSURED ISO 9001 BQAI

QUALITY MANAGEMENT SYSTEM - MEDICAL DEVICE ISO 13485 BQAI

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION

CE

IEC EN 60601

Brandon® MEDICAL

Quasar®*eLite*

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Control & Power

Brandon MEDICAL

Medical Architectural

Medical AV Systems

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July 2014

14252-A2