

Product Description

Astralite®

HD-LED is a breakthrough technology with vastly better performance than standard definition LED or conventional surgical lights.



Product Images



Product Features

Large Movement Range

Astralite® is designed so that the light 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 light beam from any angle

Long Life

LED life is greater than 50,000 hours which equates to more than 20 years of normal use.

Environmentally Friendly

Astralite® uses LEDs that are mercury free and do not contain CFCs, POPs, VOCs, halogens or other harmful chemicals.

Economical

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

Designed to Minimise Infections

Anti-microbial additives are used to destroy harmful bacteria. The smooth, continuous surfaces are easy to wipe clean, with split lines kept to a bare minimum. The Astralite® light head is sealed against the ingress of dirt and liquids to prevent contamination.

Silver Ion Antimicrobial Technology

Biomaster antimicrobial additive is moulded into the plastic lamp head parts and 'Ultra Fresh' is incorporated in the lamp head paint. Both of these additives have anti-microbial properties.

High Intensity Cold Light

Choose between the AL10 with 70,000 Lux at 1m or the even more powerful ALE10 with 100,000 Lux at 1m.

Adjustable Colour Contrast

The colour of the light can be adjusted depending on skin, tissue or wound to select the optimum lighting.

Large Illuminated Field

All models produce a large 250mm max. diameter light field with a 70-140cm working distance.

Sterilisable Handle Option

The standard handle is very easy to clean and accepts most disposable covers. A re-sterilisable handle is an optional item.

*Images are representative of example system only - Mount styles vary depending on model
Please refer to drawing layout for model appearance information
Please contact one of our Sales Team to discuss your requirements further*



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| Model Number | Description |
|--------------|---|
| ALE10WJ | ASTRA LITE PLUS 10 Series Lamp (100kLux) Wall Mounted |
| AL10WJ | ASTRA LITE 10 Series Lamp (70k Lux) Wall Mounted |

Technical & Performance Information:

Unless otherwise stated: All linear dimensions in mm, angles in degrees (±5°) and weights in kg

| General System Information | AL10WJ | ALE10WJ |
|------------------------------------|--|---------|
| Mount Type | Wall + Swing- Spring Arm | |
| Lamphead 1 | AL10 | ALE10 |
| Weight (kg) | 12.7 | 12.7 |
| Conformity | CE (93/42/EEC) including amendments 2007/47/EC | |
| Type of luminaire | Luminaire for diagnosis | |
| Medical Device Classification | I | |
| Electrical Classification | I | |
| Electrical conformity | BS EN 60601-1; BS EN 60601-2-41 | |
| System Nominal Power [VA] | <32VA | 33.5VA |
| Power Consumption @ 100% Intensity | 17.5W | 26W |

| Mount | Wall + Swing- Spring Arm |
|---|--------------------------|
| Number of arms | 1 - 720 swing-spring arm |
| Mounting Height | 2060 |
| Weight of Mount (including suspension arms) | 9.7 |
| Arm 1 Lengths Horizontal/Suspension Arm [Total Reach] (mm) | 800/750 [1550] |
| Arm 1 Lateral Rotation of Horizontal about Central Stem Spindle (±5°) | 180° |
| Arm 1 Lateral Rotation of Spring Arm about Horizontal Spindle (±5°) | 360° |
| Suspension Arm Angle max vertical adjustment up (±5°) | 45° |
| Suspension Arm Angle max vertical adjustment down (±5°) | 45° |
| Power Supply Unit Type | 50W 24V |
| Supply Voltage | 100 - 240V AC 50/60Hz |

| Lamphead Photometric Data* | AL10 | ALE10 |
|---|----------------------------|----------------------|
| Central Illuminance @ 1 metre (Lux max ±10%) | 70,000 (8 Steps) | 100,000 (8 Steps) |
| Field diameter D10 @ 1 meter (mm) | 180 | 180 |
| Field diameter D50 @ 1 meter (mm) | 80 | 80 |
| Field size mm | 250 | 250 |
| Nominal working distance from lamphead m | 1 | 1 |
| Colour rendition Ra (Av R1-R8) | ≥95 | ≥95 |
| Colour rendition R9 (red) | ≥95 | ≥95 |
| Colour temperature (°K) | See Adjustable Colour | |
| Adjustable Colour (Red Balance) (°K) | 3500° to 5000° K (6 Steps) | |
| Number & Type of lights per Lamphead | 13 HD-LED® | 13 HD-LED® |
| LED life (hours) | >50,000 | >50,000 |
| Comfort Halo @ 1m (mm) | N/A | N/A |
| Solid state focusing control | Control via Handle | |
| Intensity control | Control on Keypad | |
| Radiant Energy | 3.31mW/m² per lux | |
| Shadow-less light technique | Multiple LED elements | |
| Electronically Dimmable Light Intensity Range | 5-100% | 5-100% |

| Lamphead General, Mechanical & Electrical* | AL10 | ALE10 |
|---|-----------------------------|-------------|
| Removable Sterilisable Handle | Yes (Sterilisable at 137°C) | |
| Anti-microbial Surfaces | Yes | Yes |
| Light On/Off switch location | Keypad on lamp head | |
| Ingress Protection Rating | IP54 | IP54 |
| Lamphead Diameter (mm) Approx | 296 | 296 |
| Lamphead Weight (kg) Approx | 3 | 3 |
| Lamphead Pitch (°) | 330° | 330° |
| Lamphead Roll (°) | Unlimited 360° | |
| Lamphead Yaw (°) | N/A | N/A |
| Power Supply Unit Requirements | 50W 24V DC | 50W 24V DC |
| Power (VA) | <32VA | 33.5VA |
| Power Consumption @Nominal Intensity [@100% Intensity] | 8.5W [17.5W] | 13.2W [26W] |

*data per lamphead

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