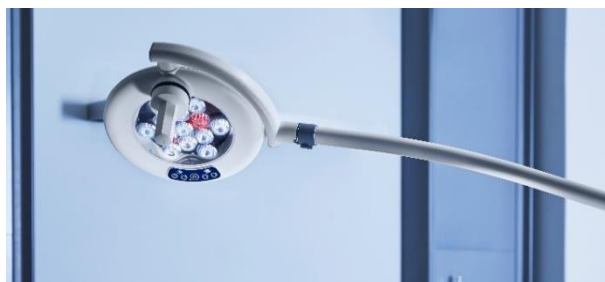


Product Description

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



Model Number	Description
AL10CJ	Astralite mounted on a Ceiling Stem via 720 Swing Spring Arm
ALE10CJ	Astralite lamphead fixed to a ceiling-mounted suspension system
ALE1010TJ	Astralite lamphead fixed to a ceiling-mounted Tandem suspension system

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

General System	AL10CJ	ALE10CJ	ALE1010TJ
Mount Type	Ceiling Stem - Swing- Spring Arm		Tandem - Swing-Spring Arms
Weight (kg)	15.7		27.6
Lamphead 1	AL10	ALE10	ALE10
Lamphead 2	-	-	ALE10
Conformity	CE (93/42/EEC) including amendments 2007/47/EC		
Type of luminaire (BSEN 60601-2-41)	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]	<32	33.5	33.5
Power Consumption @ 100% Intensity	17.5W	26W	52W

Mount	Ceiling Stem - Swing- Spring Arm	Tandem - Swing-Spring Arm
Number of arms	1 - 720 swing-spring arm	2 - 720 swing-spring arms
Ceiling Height range (mm) [max ceiling height with cavity spacer]	2539-3359 [4359]	2766-3536 [4536]
Weight of Mount (including suspension arms) No Cavity Spacer	12.7	21.6
Arm 1 Lengths Horizontal/Suspension Arm [Total Reach] (mm)	800/750 [1550]	901/750 [1650]
Arm 1 Lateral Rotation of Horizontal about Central Stem Spindle (±5°)	360°	360°
Arm 1 Lateral Rotation of Spring Arm about Horizontal Spindle (±5°)	360°	360°
Arm 2 Lengths Horizontal/Suspension Arm [Total Reach] (mm)	-	901/750 [1650]
Arm 2 Lateral Rotation of Horizontal about Central Stem Spindle (±5°)	-	300°
Arm 2 Lateral Rotation of Spring Arm about Horizontal Spindle (±5°)	-	360°
Suspension Arm Angle max vertical adjustment up (±5°)	45°	45°
Suspension Arm Angle max vertical adjustment down (±5°)	45°	45°
Power Supply Unit Type	50W 24V DC	150W 24V DC
Supply Voltage	100 - 240V AC 50/60Hz	100 - 240V AC 50/60Hz

Lamphead Photometric #	AL10	ALE10
Central Illuminance @ 1 metre (Lux max ±10%)	70,000 (8 Steps)	100,000 (8 Steps)
Field diameter D ₁₀ @ 1 meter (mm)	180	180
Field diameter D ₅₀ @ 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/m ² 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	
Light On/Off switch location	Keypad on lamp head	
Ingress Protection Rating	Not Tested	
Lamphead Diameter (mm) Approx	296	
Lamphead Weight (kg) Approx	3	
Lamphead Pitch (°)	330°	
Lamphead Roll (°)	Unlimited 360°	
Lamphead Yaw (°)	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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