

## SL400 Series



Complies with  
BS EN 60601-2-41

SL450

### SL400 ordering codes

*Please note: All ceiling lights are mounted on independent arms with 360 degrees of rotation from a common fixing pillar. Please advise the height of the mounting slab (soffit) above the finished floor level, and if a false ceiling is fitted.*

SL450	Ceiling-mounted
SL450W	Wall-mounted
SL450M	SL450 on mobile base
SL430/450	Ceiling-mounted SL450 with SL430 as satellite (150,000 + 130,000 lux)
SL450/450	Ceiling-mounted SL450 with a second SL450 as satellite (150,000 + 150,000 lux)

\* Cameras and monitors carry a one-year warranty.

**Please call for camera and battery back-up options**

#### ABOUT DARAY

DARAY have been established in the medical, dental and veterinary markets since 1968 building exceptional and durable products.

We shall continue to innovate; aiming to excel in our endeavours to deliver reliable solutions.



**DARAY**  
Medical

www.daray.com  
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# SL400

Operating-theatre light  
Technology that's clear to see



- Outstanding shadow dilution
- Aerodynamic, single head
- Accurate colour rendering
- Cold light beam
- Variable focus and intensity
- Automatic backup bulb changeover
- Attractive design



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QAB-SL400M-5-1110

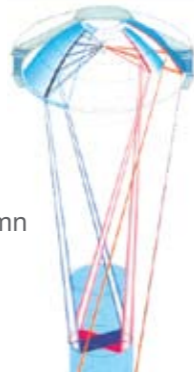
## Automatic back-up bulb changeover

If the main bulb fails, a back-up bulb is powered automatically within half a second to ensure continuity of illumination. A bulb-failure indicator on the control panel shows that the main bulb has failed and should be replaced.

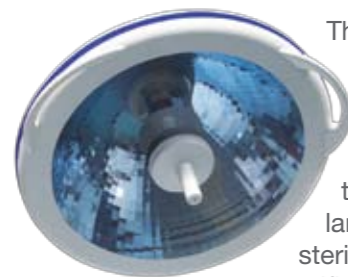


## Outstanding shadow dilution and depth of field

A highly sophisticated reflector with more than 1,000 facets reflects the bulb output through multiple angles creating a virtually shadow-free column of infocus light.



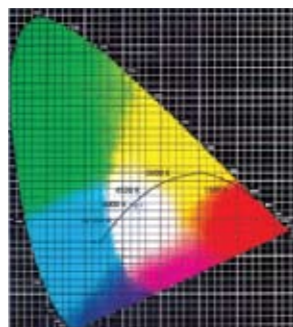
## Minimal laminar-flow interference



The fully sealed light head has been aerodynamically designed to minimise turbulence of laminar-flow sterilisation and purification systems.

## Accurate colour rendering of cold light beam

The internal optics filter out infra-red (heat) and other unwanted wavelengths leaving a cool light beam with a colour temperature close to daylight, so tissue and organ colours are not distorted.



## Waterproof membrane control panel

A conveniently placed panel contains on/off controls, a power on indicator, bulb-failure alarms and variable output intensity controls.



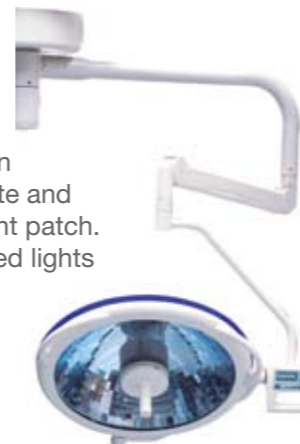
## Variable focus

The removable, autoclaveable light-head steering handle doubles as a twist-grip focussing control.



## Finely-balanced suspension arms

Multi-jointed, spring-balanced suspension mechanisms permit accurate and stable positioning of the light patch. The arms on ceiling-mounted lights all rotate through 360°.



## Video systems and back-up power supplies

CCTV cameras and monitors are available as options on most models, as are wall-mounted battery back-up power supplies.



SL430/450 with optional in-head camera and monitor system

## Specifications

Model	SL430	SL450
Luminance@1m (lx)	130,000	150,000
Colour temp (K)	4,300	4,300
Light patch diameter@1m (cm)	12~28	12~28
Temp increase surgeon's head (°C)	<2	<2
Temp increase operating area (°C)	<10	<10
Focusing depth (cm)	55	70
Colour-rendering index (Ra)	96	96
Working distance (cm)	65-140	55-170
Input voltage (V/Hz)	230/50	230/50
Input power (VA)	160	160
Bulb rating (V/W)	24/150	24/150
Bulb life (h) typical	1,000	1,000

SL450M mobile light



SL450 with optional in-head camera and monitor system



Wall-mounted backup power supply