## TECHNICAL FEATURES

- Double dome petal shaped surgical LED OT Light with adjustable focusing field.
- Proper central illuminance provides homogeneous and shadow free illumination.
- Microprocessor control multi-reflector optical light system technology of LED for strobe free clear tissue visualization, minimal invasive and zero image interference during surgery.
- White and yellow LED's light source produce natural day sunlight colour along with exact focusing helps in visualization of blood vessels and light contrast is better for surgery.
- Both light domes have provision for adjusting the focus/ spot manually from steralizable and detachable handle placed at the center of domes and outer handles with domes control panels allow up and down movement of both domes for sterile positioning.
- Each spring balanced light head allows fixing the dome at any position, central axis and horizontal extension arms allows up & down and 360° rotation of light system from top.

## TECHNICAL PARAMETERS

| PARAMETERS | FEATURES<br>MODEL: DRL - 19C + 19C |
|---|---|
| Illumination (Lux) at 1 meter distance | 1,30,000 Lux + 1,30,000 Lux |
| Luminance adjustment/ Dimming range | 10% - 100% |
| Temp. increase in the operating field | <1°C. |
| Light field diameter/ Adjustable focus | 150-250 mm |
| Color temperature | 3500 - 5500 K |
| Color rendering index Ra | 96 Ra |
| Lighting depth/ Depth of illumination | 1200 mm |
| Diameter light head domes<br>Dome Weight | 600 mm<br>7 kg |
| No. of LEDs | 44 + 44 |
| Power consumption (W) | 88 Watts (for both domes) |
| Power supply (VAC) | 220 - 240 VAC, 50 - 60Hz |


DORNIER MEDICAL SYSTEMS

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Class I

# DORNIER MEDICAL SYSTEMS

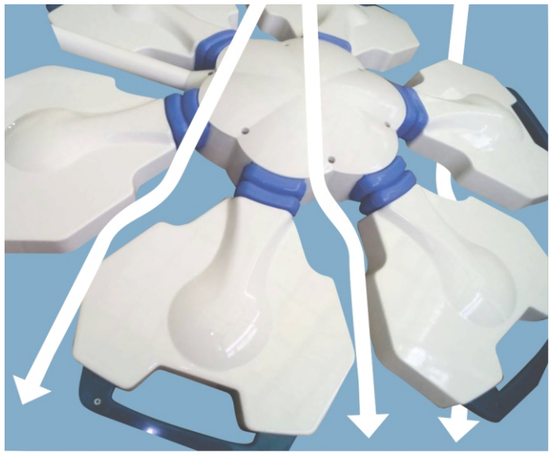
## DOUBLE DOME CEILING O.T. LIGHT

### MODEL: DRL - 19C + 19C

**TOUCH BUTTON CONTROL PANEL ON BOTH DOMES & WIRELESS WALL CONTROLLER WITH FEATURES:**

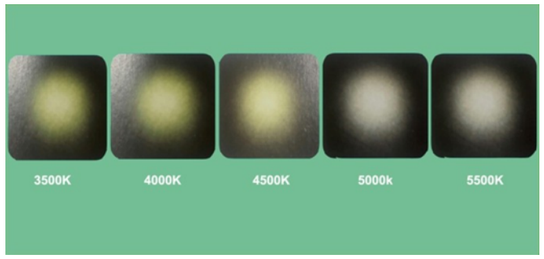
- On/ Off
- Illumination/ Intensity control in different steps
- Color Temperature adjustment in different steps
- 2 Modes for setting intensity as required by surgeon

LED lights with protective fire resistant ESG safety glass seamless cover for scratch proof, fast disinfection process and improve the light penetration. It is made of monolayer safety glass which protects the lens from ultra-violet and infrared rays.



## LAMINAR FLOW

The aerodynamic design of light reduces the surface area that obstruct the flow of air from the air supply ceilings resulting in less air flow turbulence underneath the dome head.

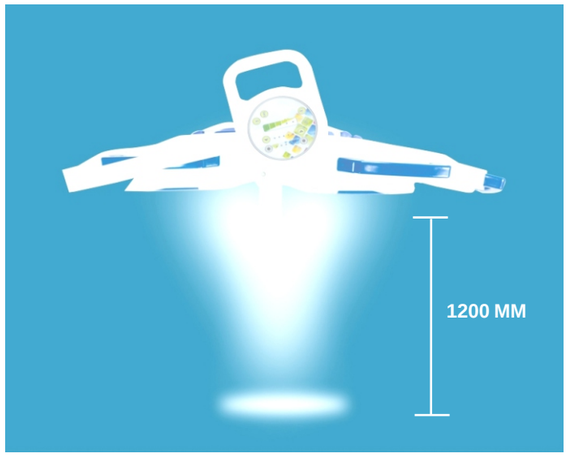



## ADJUSTABLE COLOUR TEMPERATURE

Adjustable Colour temperature that adjust the light in variable steps with a mixture of white and yellow LEDs produce natural daylight that helps surgeon to find more suitable, real and comfortable light color for determining tissues in all types of surgeries.

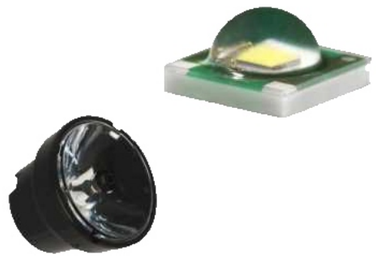
## DEEP CAVITY & ADJUSTABLE FOCUS

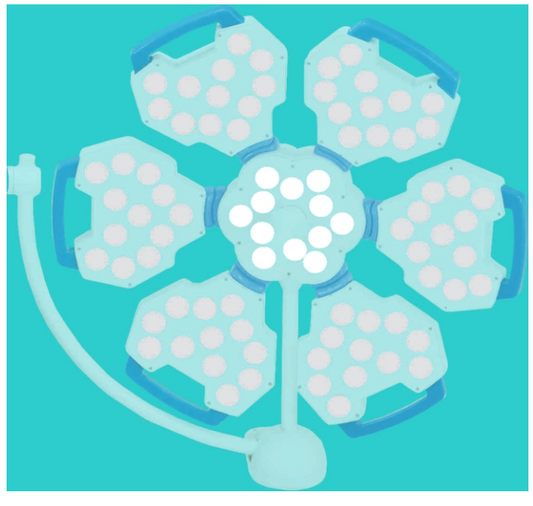
With high light intensity and large spot/ focus size of 150-250 mm, and depth of field is 1200 mm provides ambient lighting. The light head can be positioned far away from the surgery surface and helps surgeon with natural, clear and adequate light in deep cavity.




## MULTI LENS SYSTEM

High quality LEDs with unbreakable and shatter proof sealed lenses having precise color rendering for determining tissues, vessels and bones. The light intensity is directed through special multi lens that converges a light to narrow beam for a bright and sharp response. LED thermal management keeps the cold temperature with high intensity above surgeon's head and surgical region.





## BALANCED LIGHT HEAD

Both the dome head are fixed with spring arms using fully cardanic suspension allowing smooth and easy movement of light head throughout the surgical room.

## ALUMINIUM ENCLOSURE & LIGHT WEIGHT

Made of an aluminium shock proof metalic alloy, with outstanding heat dissipation capacity, which extends the LED elements working life and illuminating efficiency. The aerodynamic smooth surfaces and fully sealed light heads helps in protection from water and dust and the rounded curves makes it easy to clean and handle.

## LONGER LIFETIME

LED lifespan of more than 60,000 hours reduces the cost of replacing and servicing the LED's. Power consumption has been reduced to 40% with the use of high end LED technology. The LED's are placed so easily and can easily be replaced individually in a short spam of time.