

TECHNICAL FEATURES

- Adjustable size of the operating and focusing field.
- Aerodynamic single piece circular shape domes and counter balance to fix the dome at any position. The aerodynamic shape allows complete air circulation.
- Microprocessor control multi-reflector LED technology with mixing of white and yellow LEDs for clear tissue visualization, suitable for minimal invasive surgery.
- Proper central illuminance provides homogeneous and shadow free illumination.
- White and Yellow LED's light technology yields natural day sunlight for better illumination and casting of color shadows and the light contrast is better for surgery.
- Dome is provided with detachable & sterilizable handle at the center of the dome through which light field diameter/ focus can be adjusted.
- Light is equipped with inbuilt battery backup of 4 hours for uninterrupted use of OT Light.

TECHNICAL PARAMETERS

PARAMETERS	FEATURES MODEL: DRL - 20M
Illumination (Lux) at 1 meter distance	1,60,000 Lux
Luminance adjustment/ Dimming range	10% - 100%
Temp. increase in the operating field	<1°C.
Light field diameter/ Adjustable focus	15-30 cm (150-300 mm)
Color temperature	3000 - 5000 K
Color rendering index Ra	95 Ra
Lighting depth/ Depth of illumination	120 cm
Diameter light head domes	69 cm
No. of LEDs	82
Power consumption (W)	82 Watts
Power supply (VAC)	220 - 240 VAC, 50 - 60Hz



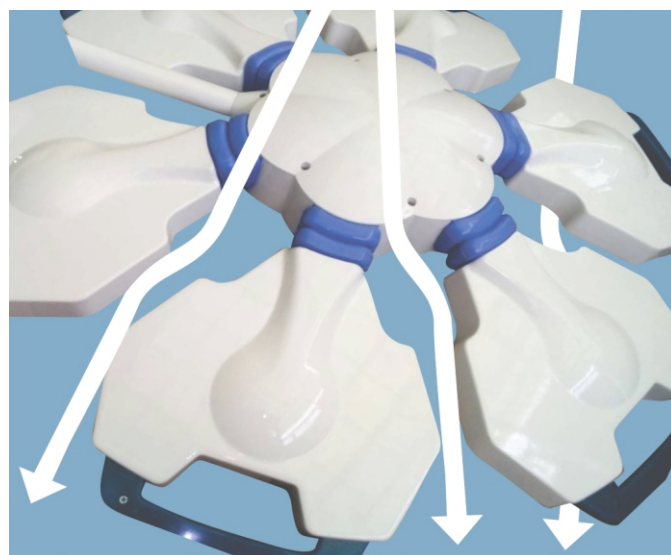
DORNIER MEDICAL SYSTEMS

MOBILE LED OT LIGHT

DRL 20M



- TOUCH BUTTON CONTROL PANEL ON BOTH DOMES WITH GESTURE CONTROL FOR TOUCH FREE INTENSITY ADJUSTMENT & WIRELESS WALL CONTROL PANEL OFFERS:**
- On/ Off
 - Separate Illumination/ Intensity control for white and yellow LEDs in steps offering adjustable color temperature
 - Simultaneous adjustment of white and yellow LEDs
 - 2 Memory Function for setting pre defined intensity as required by surgeon like Endo mode.

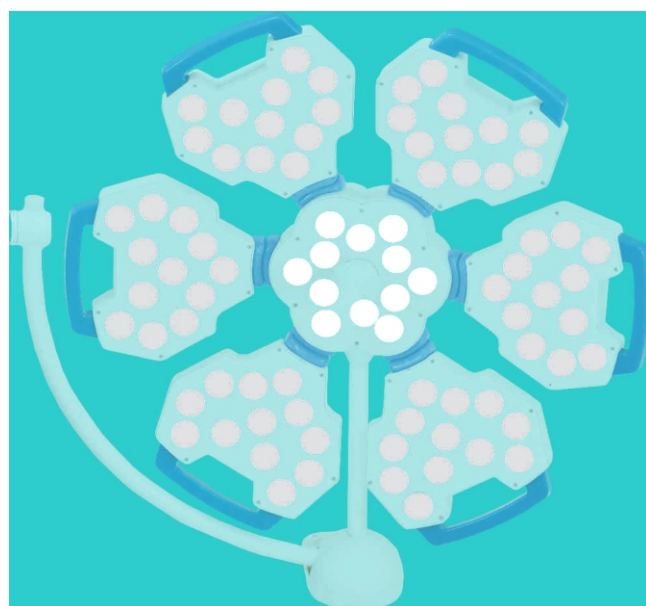
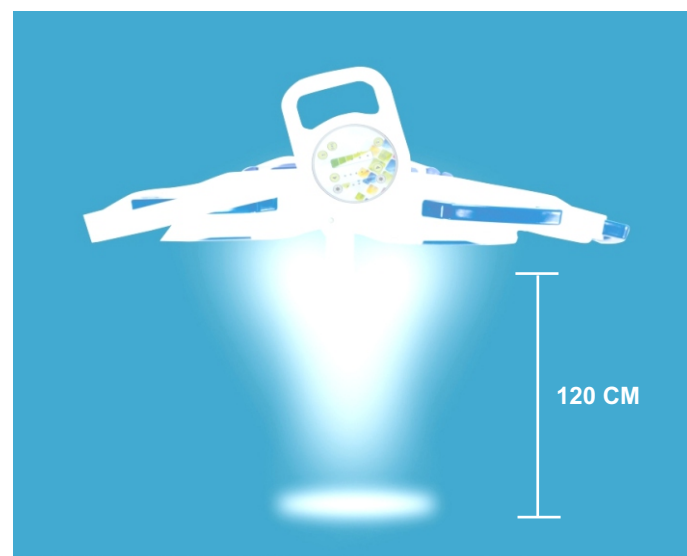


LAMINAR FLOW

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.

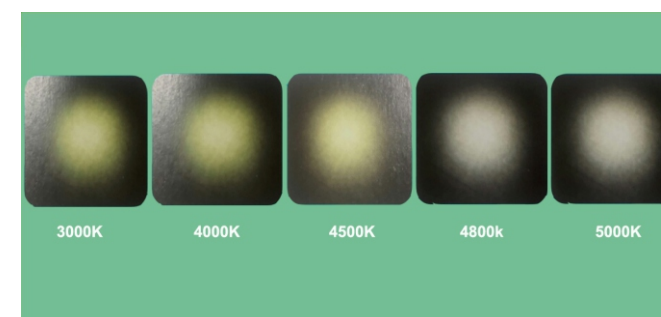
DEEP CAVITY & ADJUSTABLE FOCUS

With high light intensity and large spot/ focus size of 15-30 cm, and depth of field is 120 cm 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.



BALANCED LIGHT SUSPENSION

Dome head are fixed with spring arms using fully cardanic suspension allowing smooth and easy movement of light head for better surgery.

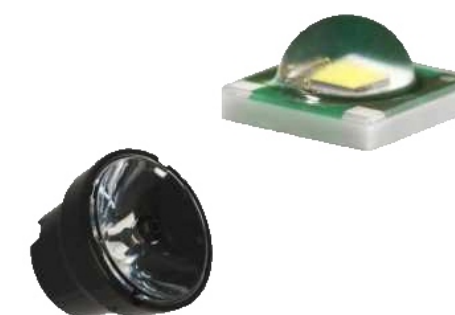


ADJUSTABLE COLOUR TEMPERATURE

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.

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.



ALUMINIUM ENCLOSURE & LIGHT WEIGHT

Made of an aluminium shock proof metallic 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 50,000 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.

