

TECHNICAL FEATURES

- Petal shaped portable 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.
- Light dome comes with multifunction handle at dome center which is used for adjusting the light spot/focus manually, handle is detachable and sterilizable and it can be used along with handle at dome control panel for up and down movement of light arm for setting dome at any position as required by surgeon.
- Spring balanced light head mounted on mobile stand with 4 lockable castors for restricting movement and unrestricted turning of light is available from center of arm.
- Light is equipped with integrated rechargeable battery which can be fully charged in 2 hours and with back up of 5 hours. Dome can be placed or moved anywhere in OT without any cord while using on battery.

TECHNICAL PARAMETERS

PARAMETERS	FEATURES MODEL: DRL - 18M
Illumination (Lux) at 1 meter distance	1,20,000 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 dome Dome Weight	600 mm 6 kg
No. of LEDs	33
Power consumption (W)	33 Watts
Power supply (VAC) Irradiance	220 - 240 VAC, 50 - 60Hz 400 W/m2



DORNIER MEDICAL SYSTEMS

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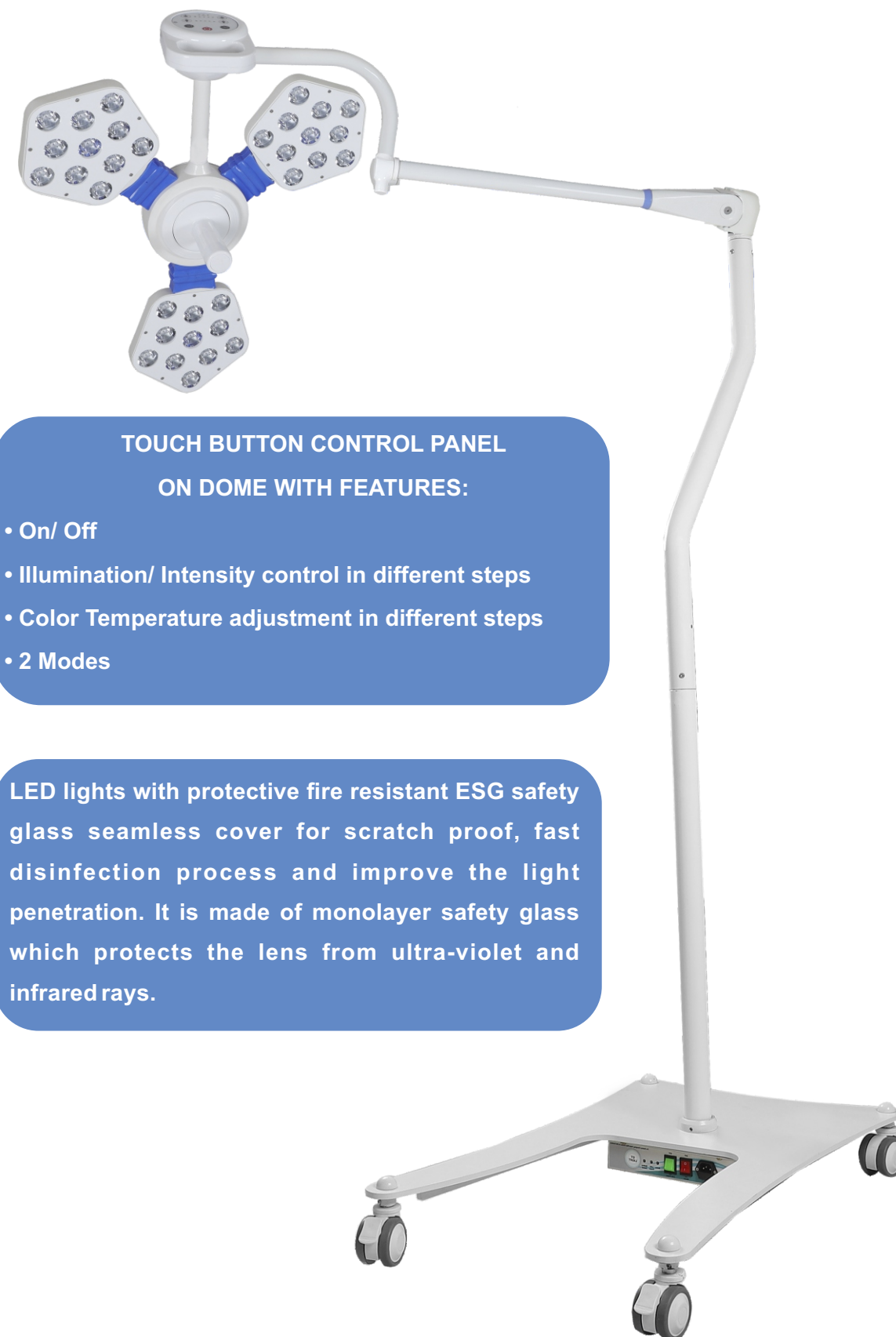
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DORNIER MEDICAL SYSTEMS

LED MOBILE O.T. LIGHT

DRL - 18M



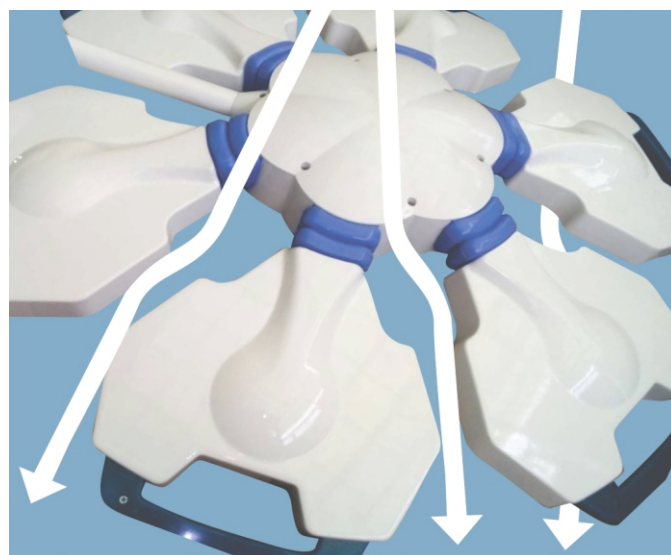
TOUCH BUTTON CONTROL PANEL

ON DOME WITH FEATURES:

- On/ Off
- Illumination/ Intensity control in different steps
- Color Temperature adjustment in different steps
- 2 Modes



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.

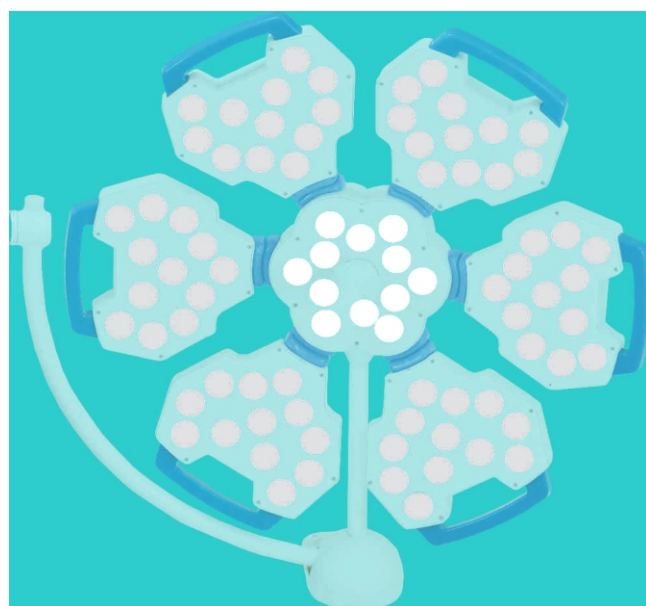
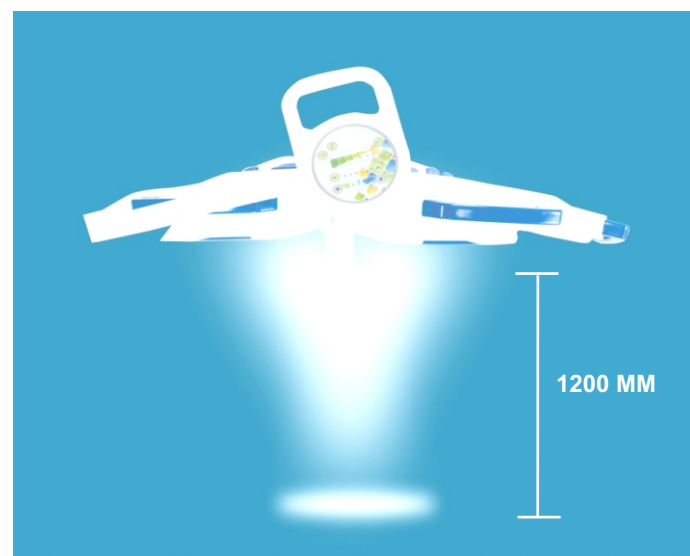


LAMINAR FLOW

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.

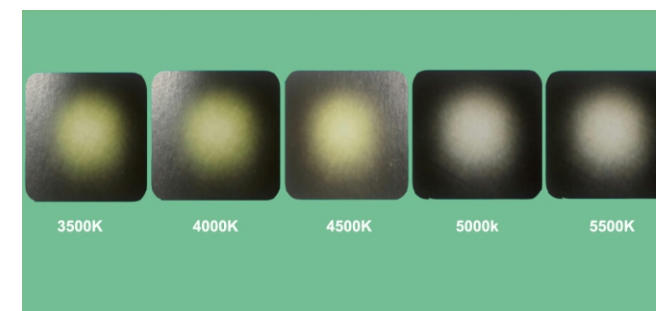
DEEP CAVITY & ADJUSTABLE FOCUS

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.



BALANCED LIGHT HEAD

Dome head is fixed with spring arm using fully cardanic suspension allowing smooth and easy movement of light head throughout the surgical room with rotation from the center of the mobile light system.

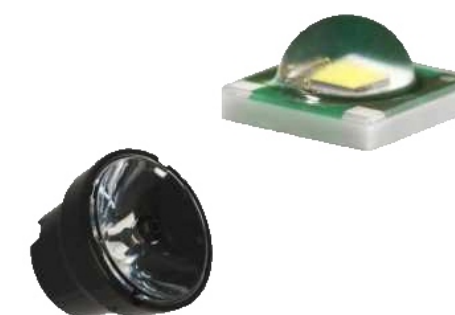


ADJUSTABLE COLOUR TEMPERATURE

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 head 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.

