

TECHNICAL FEATURES

- Adjustable size of the operating and focusing field.
- Petal shaped dome with different modules provides 360° rotation of light head and arm joints with counter balance to fix the dome at any position.
- Microprocessor control multi-reflector technology of LED for clear tissue visualization, minimal invasive surgery and zero image interference while electro 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 visualization of blood vessels and the light contrast is better for surgery.
- ABS coated dome has seamless cover glasses with internal gaskets.
- Dome is provided with detachable & sterilizable handle at the centre of the dome through which light field diameter/focus can be adjusted.

TECHNICAL PARAMETERS

PARAMETERS	FEATURES MODEL: DRL - 20C + 20C
Illumination (Lux) at 1 meter distance	1,60,000 Lux + 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
Color temperature	3000 - 5000 K
Color rendering index Ra	95 Ra
Red rendering index R9	95 R9
Lighting depth/ Depth of illumination	120 cm
Diameter light head dome	69 cm
No. of LEDs	82 + 82
Power consumption (W)	82 + 82 Watts
Power supply (VAC)	200 - 240 VAC, 50 - 60Hz



DORNIER MEDICAL SYSTEMS

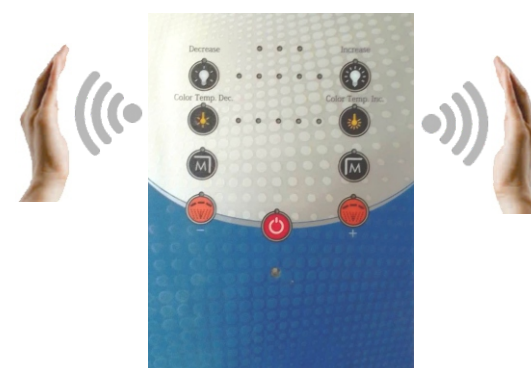
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DORNIER MEDICAL SYSTEMS

DOUBLE DOME CEILING OT LIGHT

MODEL: DRL - 20C + 20C

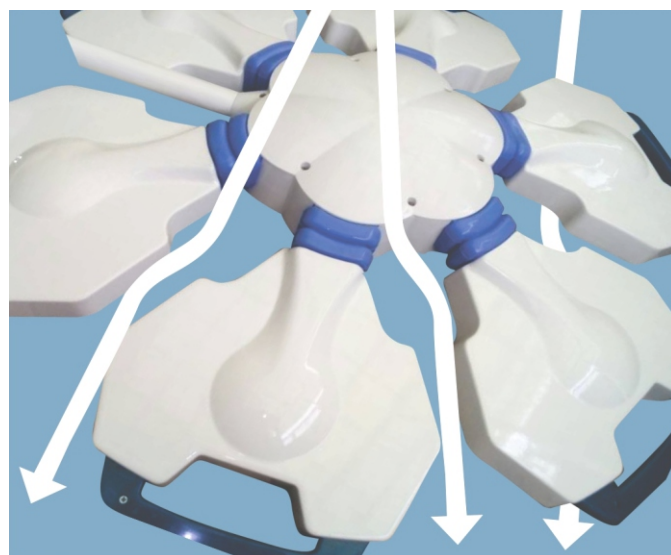


CONTROL PANEL ON BOTH DOMES WITH GESTURE CONTROL FOR TOUCH FREE INTENSITY ADJUSTMENT & WIRELESS WALL CONTROL PANEL OFFERS:

- 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.



LED lights with protective fire resistant ESG safety glass cover for scratch proof and 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.

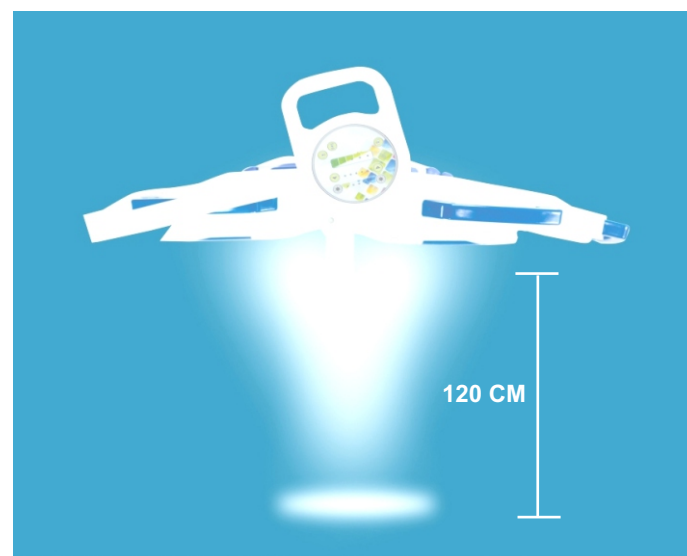


LAMINAR FLOW

The open 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.

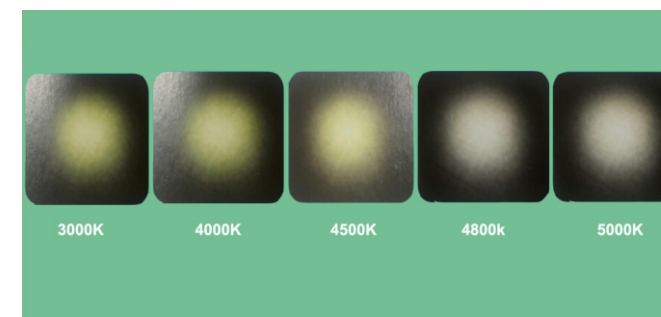
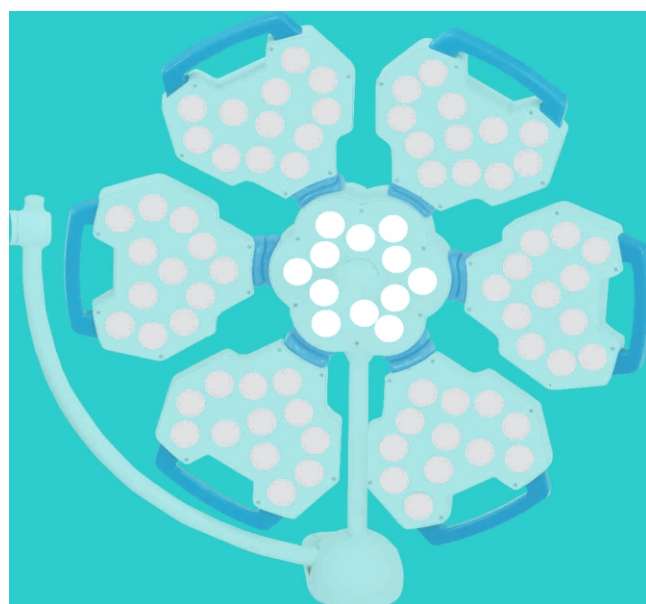
DEEP CAVITY & ADJUSTABLE FOCUS

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 adequate light in deep cavity.



ENDO MODE

Perfect Endo Mode for requirement of ambient illumination. Few Led's lit up to create an unparalleled uniform glow in the room allowing surgeons to concentrate on the monitors during MIS/ Endoscopy Procedures in darkened operation theater.

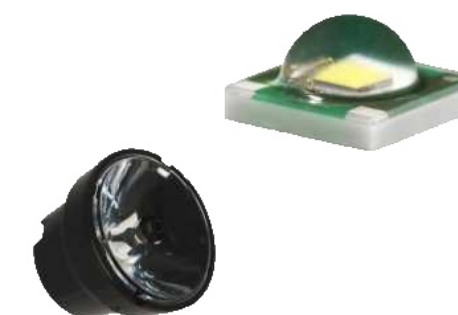


ADJUSTABLE COLOUR TEMPERATURE

Adjustable colour temperature in 5 steps that adjust the light in variable steps with a mixture of white and yellow LEDs that helps surgeon to find more suitable and comfortable light color suitable for all type 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 lens that converges a light to narrow beam for a bright and sharp response. LED thermal management keeps the temperature-rise above surgeon's head and surgical region extremely low.



ALUMINIUM ENCLOSURE

Made of an aluminium alloy, with outstanding heat dissipation capacity, which extends the LED elements working life and illuminating efficiency. Aluminium is a powerful & efficient heat absorber

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 in a short spam of time.

