



# ESLD/S Line

## Economic LED Operating Lamps



- Ceiling config.
- Hexagonal heads
- Single/Double Head



- Mobile config.
- Hexagonal heads
- Single Head
- With or without back-up battery



- Ceiling/Mobile or Wall-mounted
- Round head
- Single Head



- Ceiling config.
- Hexagonal heads
- Double Head
- Equipped with CCD camera and LCD color monitor

OPERATING THEATRE



**Pulse Healthcare Technology**

House: 11/1, Shahid Minar Road  
Kallyanpur, Dhaka-1216, Bangladesh.

Mobile: +8801708008061

e-mail: [info@pht.com.bd](mailto:info@pht.com.bd)

web: [www.pht.com.bd](http://www.pht.com.bd)



# ESLD/S Line

## LED surgical shadowless lamps



Our shadowless lamp use LED chip as the light source, with high colour rendering, high concentration, low glare, low electromagnetic interference, long using life etc. It's a new energy efficiency and environmental protection product to replace the traditional operation lamps.

- New LED chip as cold light source that improve doctor's working environment and efficiency.
- LED surgical light has the significant energy-saving effect, the consumed energy is only 1/10 of the normal incandescent lamp and 1/2 of the halogen lamp under the same brightness.
- With the digital control system, the storable brightness can be stepless adjusted and colour temperature available to adjust between 3500 to 5000k. It helps doctor to accurately identify each organ.
- The LED light has 50 multiples longer using life than a normal halogen bulb. It helps to avoid the trouble of changing bulb during operation and reduce the total cost.
- Evenly illumination, high shadowless rate, high definition, the emitting light without ray and UV, help doctor to relieve vision tiredness during long-time operation.

### Cod. **ESLD/S-0505**

### 5+5 lighting units – Ceiling config.



Double head	Illumination(lux)
5+5 lighting units	160000+160000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	85 KG
Backup Battery	Optional

### Cod. **ESLD/S-0504**

### 5+4 lighting units – Ceiling config.



Double head	Illumination(lux)
5+4 lighting units	160000+140000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	82 KG
Backup Battery	Optional

### Cod. **ESLD/S-0503**

### 5+3 lighting units – Ceiling config.



Double head	Illumination(lux)
5+3 lighting units	160000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	80 KG
Backup Battery	Optional





# ESLD/S Line

## LED surgical shadowless lamps



### Hexagonal heads models

**Cod. ESLD/S-0404**

**4+4 lighting units – Ceiling config.**



Double head	Illumination(lux)
4+4 lighting units	140000+140000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	80 KG
Backup Battery	Optional

**Cod. ESLD/S-0403**

**4+3 lighting units – Ceiling config.**



Double head	Illumination(lux)
4+3 lighting units	140000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	77 KG
Backup Battery	Optional

**Cod. ESLD/S-0303**

**3+3 lighting units – Ceiling config.**



Double head	Illumination(lux)
3+3 lighting units	120000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	75 KG
Backup Battery	Optional





# ESLD/S Line

LED surgical shadowless lamps



*Hexagonal heads models*

**Cod. ESLD/S-05**

**5 lighting units – Ceiling config.**



Single head	Illumination(lux)
5 lighting units	160000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W/12V
Package size	830 x 680 x 480mm
Net weight	56 KG
Backup Battery (12V)	Optional

**Cod. ESLD/S-04**

**4 lighting units – Ceiling config.**



Single head	Illumination(lux)
4 lighting units	140000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W/12V
Package size	830 x 680 x 480mm
Net weight	53 KG
Backup Battery (12V)	Optional

**Cod. ESLD/S-03**

**3 lighting units – Ceiling config.**



Single head	Illumination(lux)
3 lighting units	120000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W/12V
Package size	830 x 680 x 480mm
Net weight	50 KG
Backup Battery (12V)	Optional





# ESLD/S Line

## LED surgical shadowless lamps



### Hexagonal heads models

#### Cod. **ESLD/S-05MB**

#### 5 lighting units – Mobile config.



Single head	Illumination(lux)
5 lighting units	160000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W/12V
Package size	1500 x 500 x 600mm
Net weight	54 KG
Backup Battery (12V)	Included
Model without B.up Battery	<b>ESLD/S-05M</b>

#### Cod. **ESLD/S-04MB**

#### 4 lighting units – Mobile config.



Single head	Illumination(lux)
4 lighting units	140000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W/12V
Package size	800 x 5000 x 800mm
Net weight	50 KG
Backup Battery (12V)	Included
Model without B.up Battery	<b>ESLD/S-04M</b>

#### Cod. **ESLD/S-03MB**

#### 3 lighting units – Mobile config.



Single head	Illumination(lux)
3 lighting units	120000
Color Temperature	3500-5000k
Diameter of Spot	150-300mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	150W/12V
Package size	800 x 5000 x 800mm
Net weight	48 KG
Backup Battery (12V)	Included
Model without B.up Battery	<b>ESLD/S-03M</b>





# ESLD/S Line

## LED surgical shadowless lamps



### Round head models

**Cod. ESLD-01R**

**1 round lighting unit – Ceiling config.**



Single head	Illumination(lux)
1 lighting unit	60000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	50W/12V
Package size	900 x 900 x 200mm
Net weight	20 KG

**Cod. ESLD-01RW**

**1 round lighting unit – Wall mounted config.**



Single head	Illumination(lux)
1 lighting unit	60000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	50W/12V
Package size	900 x 900 x 200mm
Net weight	20 KG

**Cod. ESLD-01RM**

**1 round lighting unit - Mobile config.**



Single head	Illumination(lux)
1 lighting unit	60000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	50W/12V
Package size	860 x 400 x 400mm
Net weight	20 KG





# ESLD/S Line

LED surgical shadowless lamps



**Hexagonal heads models,  
Equipped with third arm with CCD camera and LCD color monitor**



**Cod. ESLD/S-0403CCD**

**Cod. ESLD/S-0505CCD**  
**5+5 lighting units - Ceiling config.**

Double heads	Illumination(lux)
5+5 lighting units	160000+160000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	85 KG
Backup Battery	Optional

**Cod. ESLD/S-0504CCD**  
**5+4 lighting units - Ceiling config.**

Double heads	Illumination(lux)
5+4 lighting units	160000+140000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	82 KG
Backup Battery	Optional





# ESLD/S Line

LED surgical shadowless lamps



*Hexagonal heads models,  
Equipped with third arm with CCD camera and LCD color monitor*

## Cod. **ESLD/S-0503CCD** 5+3 lighting units - Ceiling config.

Double heads 5+3 lighting units	Illumination(lux) 160000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	80 KG
Backup Battery	Optional

## Cod. **ESLD/S-0404CCD** 4+4 lighting units - Ceiling config.

Double heads 4+4 lighting units	Illumination(lux) 140000+140000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	80 KG
Backup Battery	Optional

## Cod. **ESLD/S-0403CCD** 4+3 lighting units - Ceiling config.

Double heads 4+3 lighting units	Illumination(lux) 140000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	77 KG
Backup Battery	Optional

## Cod. **ESLD/S-0303CCD** 3+3 lighting units - Ceiling config.

Double heads 3+3 lighting units	Illumination(lux) 120000+120000
Color Temperature	3500-5000k
Diameter of Spot	150-400mm
Illumination depth	> 800mm
Light Adjusting steps	1-9
Colour Rendering Index	95-98
Shadowless proportion	98%
LED Service Life	> 50000h
Temperature increase in Surgeon's head area	< 1 °C
Ceiling minimum height	2400mm
Power Supply	110-240V; 50/60Hz
Consumption	200W+200W/12V
Package size	1020 x 740 x 700mm
Net weight	75 KG
Backup Battery	Optional



**Pulse Healthcare Technology**  
House: 11/1, Shahid Minar Road  
Kallyanpur, Dhaka-1216, Bangladesh.  
Mobile: +8801708008061  
e-mail: [info@pht.com.bd](mailto:info@pht.com.bd)  
web: [www.pht.com.bd](http://www.pht.com.bd)



**ESSE3** srl, Via Garibaldi 30  
14022 Castelnuovo D.B. (AT)  
Tel +39 011 99 27 706  
Fax +39 011 99 27 506  
e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
web: [www.esse3-medical.com](http://www.esse3-medical.com)

