# mindray

## Technical Specifications

|  | HyLED 180 Vet series |
| --- | --- |
| Central illuminance (at 1m distance) | 70.000 lux |
| Light field diameter (at 1m distance) | 170 mm |
| Depth of illumination (20%) | 1500 mm |
| Color temperature | 4350 K |
| Color rendering index (Ra) | 96 |
| Color rendering index (R9) | 96 |
| Service life of bulb | ≥60,000h |
| Number of LED bulbs | 6 |

# HyLED 180 Vet series
LED Examination Lights

## mindray
healthcare within reach

# HyLED 180 Vet

The HyLED 180 Vet series inherit Mindray's advanced LED surgical Light technology and provides excellent illumination. Multiple mounting designs including ceiling-mounted lights, mobile lights and wall-mounted lights can meet the specific needs of various clinical settings such as outpatient surgery, debridement and operating room.

### • Excellent illumination (Soft light reduces animal's stress.)

**Flexible illuminance:** The illuminance is adjustable across 5 levels, with a maximum of 70,000 lux (1m).

**High fidelity:** At a color temperature of 4350K, both Ra and R9 can reach 96 CRI.

### • Infection control design (The antibacterial design prevents secondary infection.)

**Effective antibacterial application:** The international standard antibacterial powder applied on the surface inhibits the growth of staphylococcus aureus.

| Type of bacteria | Concentration of inoculated strains (per/mL) | Quantity of inoculated strains (mL) | Average logarithm of strains (per/cm2)after different contact times | | | Value of antibacteri-al activity |
|---|---|---|---|---|---|---|
| | | | / | "0 hour" | "24 hour" | |
| Escherichia coli ATCC 8739 | 1.1X10$^6$ | 0.2 | Sample | / | 0.21 | 5.5 |
| | | | Control sample | 4.18 | 5.69 | |
| Staphylococcus aureus ATCC 6538P | 1.1X10$^6$ | 0.2 | Sample | / | -0.20 | 5.8 |
| | | | Control sample | 4.11 | 5.56 | |

**Infection control:** The optional re-sterilizable handle prevents infection during surgery.

### • High durability (Specialized LED light source ensures long-term use.)

**Superior light supplier:** Germany Osram LED bulbs

**Long service life:** LED bulb service life up to 60,000 hours (equal to 6 years of continuous lighting)

**Ceiling-mounted lights**
HyLED 180 Vet
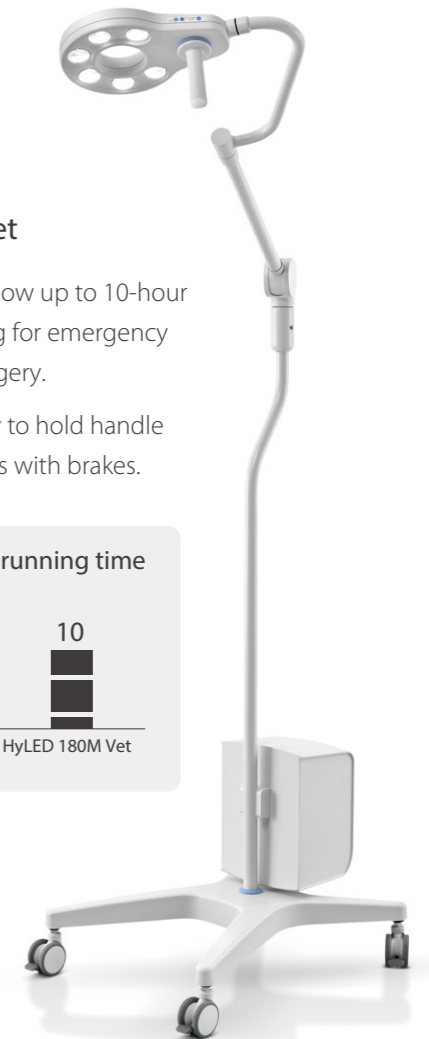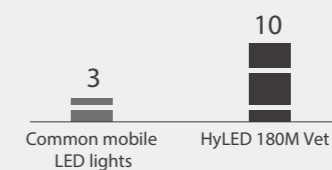
**Wall-mounted lights**
HyLED 180W Vet

1.Wikipedia, Color Rendering Index.

**Mobile lights**
HyLED 180M Vet

**Built-in battery:** Allow up to 10-hour continuous lighting for emergency lighting during surgery.

**Easy to move:** Easy to hold handle and 4 swivel castors with brakes.

Comparison of running time

10

3

Common mobile LED lights    HyLED 180M Vet