

Quality

Bıçakçılar Quality System complies with ISO 9001, EN ISO 13485 and ISO 14001 has been certified by TÜV NORD and TÜV THÜRINGEN. Bıçakçılar products are CE marked. The company globalized as a brand that is relied upon and cared by the world that cares about health.

Bıçakçılar medical equipment and disposable products are produced according to GMP, with latest technologies in modern production facilities established on 26.500 m² land with 30.900 m² closed area. Biocompatible raw materials used in production are in conformity to USP and ISO 10993 Standards. In-house acceptance controls are also performed to meet the stringent demands of our quality system.

Quality Policy

Our quality policy in Bıçakçılar Tıbbi Cihazlar A.Ş. is;

- Innovative thinking is our mandate. Our research and development along with focus on competitiveness, we continuously develop ways of being more productive without any negative impact on quality.
- We fulfill all regulatory and normative requirements (e.g Medical Device Directive and ISO EN 13485 Standard).
- We guarantee compliance for our products as per international standards.
- We make sure that each employee in the organization shares the same mission, vision and strategy so that our corporate culture can only enhance our products and solution for our customers.
- The effectiveness of quality management systems is a top priority for our organisation to meet customer and regulatory requirements.
- We provide the resources for improvement of activities by reviewing the effectiveness of the available quality system and the quality targets which are created in line with the quality policy, on a continuous basis.
- We implement our quality system effectively in every phase of our processes to assure complete customer satisfaction.



Luxline LED Surgical Lights

Luxline 3160C LED Surgical Light With Camera

(Ref: M1D 800 0 0)

Luxline 3160CR LED Surgical Light Camera Ready

(Ref: M1D 700 0 0)

NEW

Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control and wall control panel and also adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting:

The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arms: Rotate 360°,

565/725/875 mm length

Spring arms: 910 mm length, rotate 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥ 95 (4000K)

Color rendering index (CRI) R9: $\geq 90 \pm 5$ (4000K)

Color temperature: 4000K ± 250 , 4500K ± 250 ,

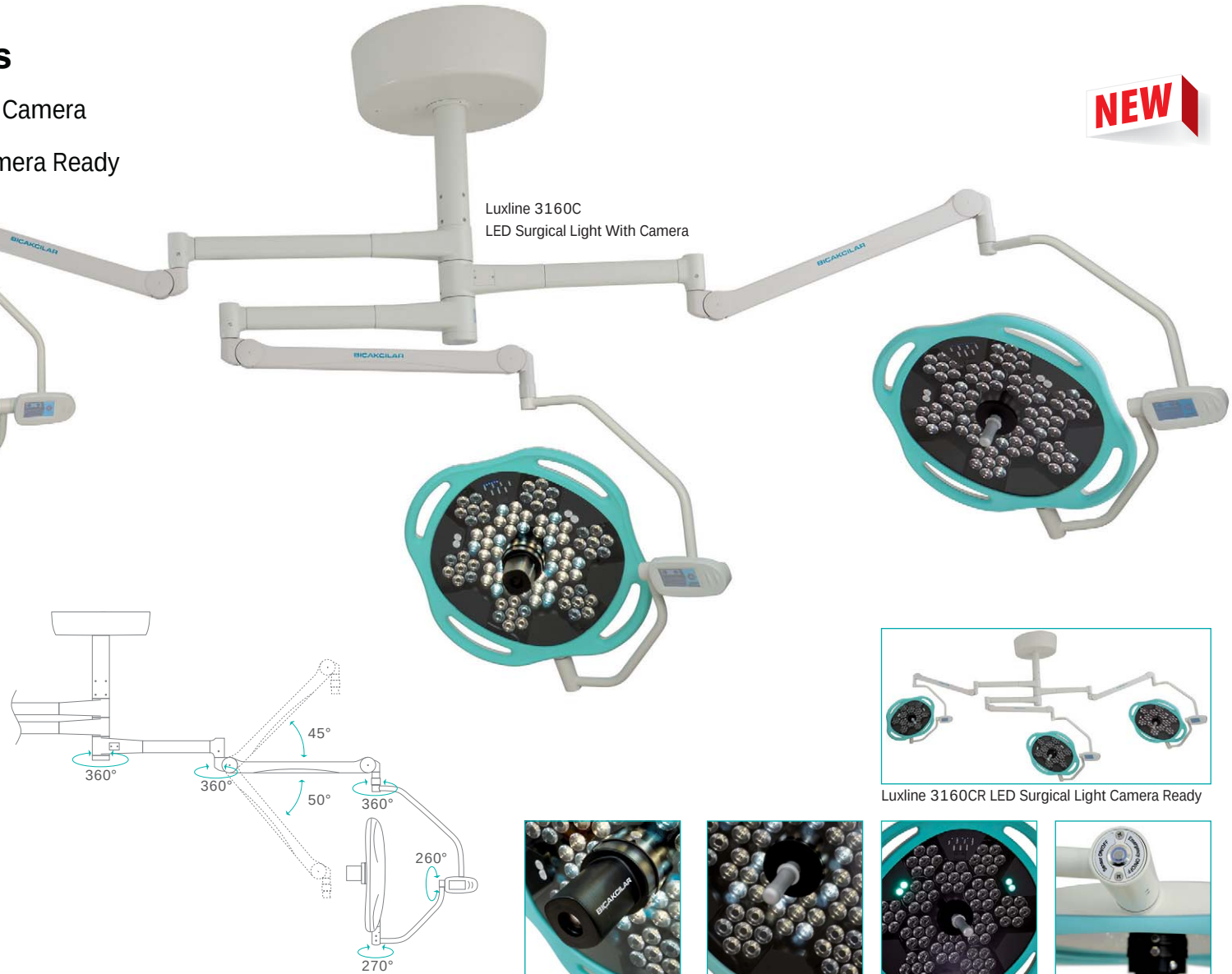
5000K ± 250

Power supply *: 220-240 V, 50/60 Hz

Power consumption: 75 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

* 110 Volt option



Additional Technical Details for Luxline 3160C LED Surgical Light with Camera

HD Camera: 2.4 megapixel, 10X Optical and 32X Digital zoom

Control panel: 4.3" resistive touch color LCD screen

Camera features: Zoom in / out, freeze image, White Balance and Iris adjustment

Image transmission: Wireless

Camera group reference number: M1C 810 5 0

Monitor arm: Optional



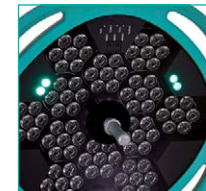
Luxline 3160CR LED Surgical Light Camera Ready



With HD camera



Camera ready



Endo mode



Emergency On/Off



Camera case (available for "with camera" models)



Remote control (available for "with camera" models)



Touch color LCD screen control panel



Adjustable light intensity with touchless infrared sensor

Luxline LED Surgical Lights

Luxline 2160C LED Surgical Light With Camera

(Ref: M1C 800 0 0)

Luxline 2160CR LED Surgical Light Camera Ready

(Ref: M1C 700 0 0)



Luxline 2160CR LED Surgical Light Camera Ready

Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control and wall control panel and also adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

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Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arms: Rotate 360°, 725/875 mm length

Spring arms: 910 mm length, rotate 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥95 (4000K)

Color rendering index (CRI) R9: ≥90 ± %5 (4000K)

Color temperature: 4000K ±250, 4500K ±250, 5000K ±250

Power supply *: 220-240 V, 50/60 Hz

Power consumption: 75 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

* 110 Volt option



Luxline 2160C
LED Surgical Light With Camera

NEW

Additional Technical Details for Luxline 2160C LED Surgical Light with Camera

HD Camera: 2.4 megapixel, 10X Optical and 32X Digital zoom

Control panel: 4.3" resistive touch color LCD screen

Camera features: Zoom in / out, freeze image, White Balance and Iris adjustment

Image transmission: Wireless

Camera group reference number: M1C 810 5 0

Monitor arm: Optional



With HD camera



Camera ready



Endo mode



Emergency On/Off



Camera case (available for "with camera" models)



Remote control (available for "with camera" models)



Touch color LCD screen control panel



Adjustable light intensity with touchless infrared sensor

Luxline LED Surgical Lights

Luxline 1160C LED Surgical Light With Camera

(Ref: M1B 800 0 0)

Luxline 1160CR LED Surgical Light Camera Ready

(Ref: M1B 700 0 0)

Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control and wall control panel and also adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting:

The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arm: Rotates 360°, 725 mm length

Spring arm: 910 mm length, rotates 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥95 (4000K)

Color rendering index (CRI) R9: ≥90 ± %5 (4000K)

Color temperature: 4000K ±250, 4500K ±250, 5000K ±250

Power supply *: 220-240 V, 50/60 Hz

Power consumption: 75 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

Additional Technical Details for Luxline 1160C LED Surgical Light with Camera

HD Camera: 2.4 megapixel, 10X Optical and 32X Digital zoom

Control panel: 4.3" resistive touch color LCD screen

Camera features: Zoom in / out, freeze image, White Balance and Iris adjustment

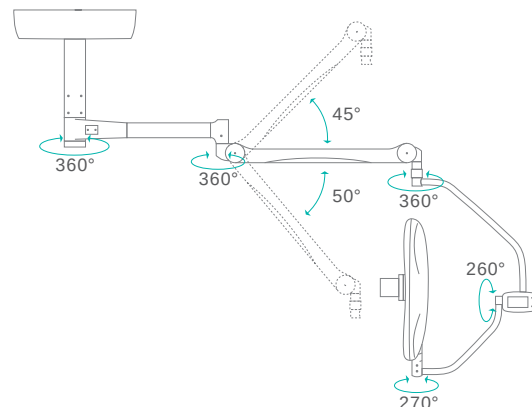
Image transmission: Wireless

Camera group reference number: M1C 810 5 0

Monitor arm: Optional

* 110 Volt option

Luxline 1160C
LED Surgical Light With Camera



NEW



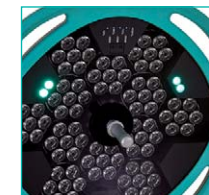
Luxline 1160CR LED Surgical Light Camera Ready



With HD camera



Camera ready



Endo mode



Emergency On/Off



Camera case (available for "with camera" models)



Remote control (available for "with camera" models)



Touch color LCD screen control panel



Adjustable light intensity with touchless infrared sensor

Luxline 3160 LED Surgical Light

Ref: M1D 500 0 0

NEW



Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control panel and adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting:

The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arms: Rotate 360°,

565/725/875 mm length

Spring arms: 910 mm length, rotate 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥95 (4000K)

Color rendering index (CRI) R9: ≥90 ± %5 (4000K)

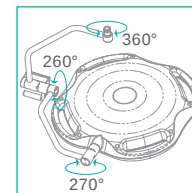
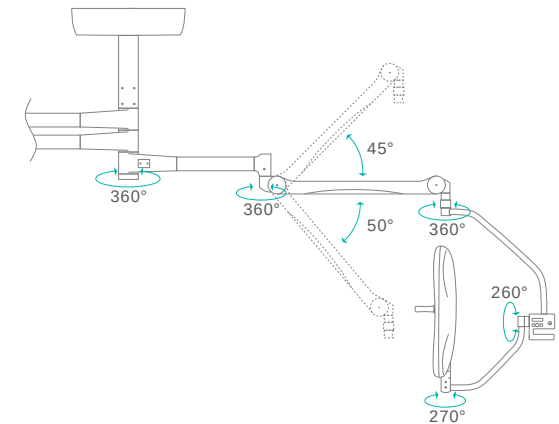
Color temperature: 4000K ±250, 4500K ±250, 5000K ±250

Power supply *: 220-240 V, 50/60 Hz

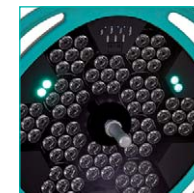
Power consumption: 70 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

Monitor arm: Optional



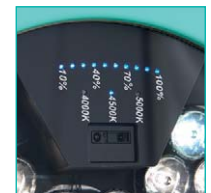
Rotating angles



Endo mode



Membrane control panel



Adjustable light intensity with touchless infrared sensor

* 110 Volt option

Luxline 2160 / 2170 LED Surgical Lights

Ref: M1C 500 0 0 Luxline 2160 LED Surgical Light (Turquoise Color)

Ref: M1C 550 0 0 Luxline 2170 LED Surgical Light (Black Color)



Luxline 2170 LED Surgical Light (Black Color)

Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control panel and adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting:

The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arms: Rotate 360°, 725/875 mm length

Spring arms: 910 mm length, rotate 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥95 (4000K)

Color rendering index (CRI) R9: ≥90 ± %5 (4000K)

Color temperature: 4000K ±250, 4500K ±250, 5000K ±250

Power supply *: 220-240 V, 50/60 Hz

Power consumption: 70 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

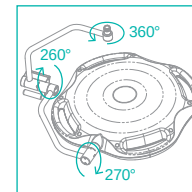
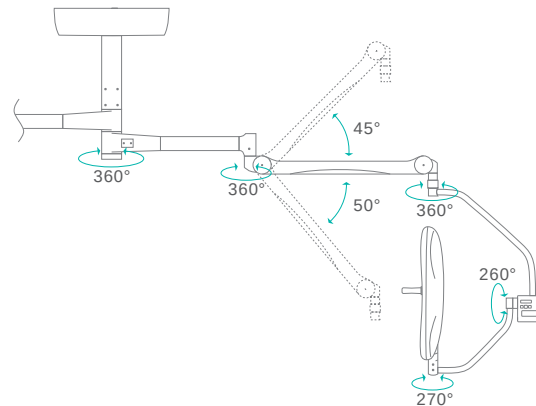
Monitor arm: Optional

* 110 Volt option

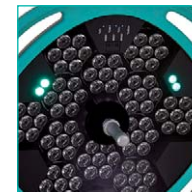


Luxline 2160

LED Surgical Light (Turquoise Color)



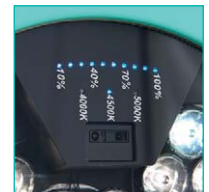
Rotating angles



Endo mode



Membrane control panel



Adjustable light intensity with touchless infrared sensor

NEW

NEW

Luxline 1160 LED Surgical Light

Ref: M1B 500 0 0

Technical Details

Mounting type: Ceiling

Light source: LED

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control panel and adjustable 5 levels by touchless infrared sensor

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting:

The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head joint arm: Rotates 260°

Light head: Rotates 270°

Horizontal rotary arm: Rotates 360°, 725 mm length

Spring arm: 910 mm length, rotates 360°, 50° downward, 45° upward, 1180 mm action distance

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Color rendering index (CRI) Ra: ≥95 (4000K)

Color rendering index (CRI) R9: ≥90 ± %5 (4000K)

Color temperature: 4000K ±250, 4500K ±250, 5000K ±250

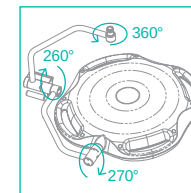
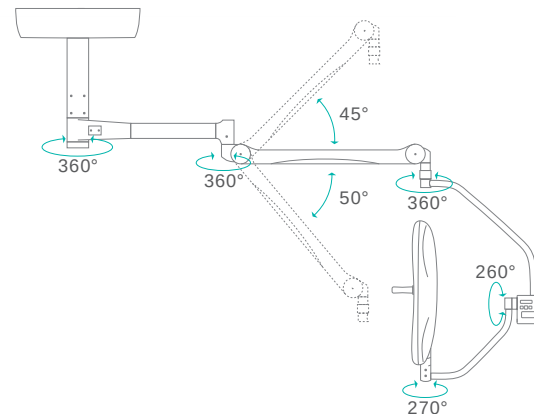
Power supply *: 220-240 V, 50/60 Hz

Power consumption: 70 W

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

Monitor arm: Optional

* 110 Volt option



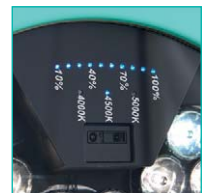
Rotating angles



Endo mode



Membrane control panel



Adjustable light intensity with touchless infrared sensor

Luxline 1160A LED Surgical Light

With Battery, Mobile

Ref: M1A 500 0 0

Technical Details

Luminous power (1m distance): 160.000 lux

Light intensity: Adjustable in 10 levels by membrane control panel and adjustable 5 levels by touchless infrared sensor

Light source: LED

LED life time: 50.000 h

Number of Led: 84 (except endo mode leds)

The optical design that helpful for shadowless lighting: The optical design, which provides lighting in the desired area by using 84 different LED light sources spread over the lamp head surface, helps shadowless lighting.

Endo mode: 4 each green leds

Light head diameter: 710 mm

Light head hanging arm: Rotates 360°

Light head: Rotates 270°

Spring arm: 910 mm length, Right 70°, Left 70°, 50° downward, 45° upward, 1180 mm ± 20 mm action distance

Action radius: 860 mm

Color temperature: 4000K ± 250 , 4500K ± 250 , 5000K ± 250

Color rendering index (CRI) Ra: ≥ 95 (4000K)

Color rendering index (CRI) R9: $\geq 90 \pm \%5$ (4000K)

Light field diameter (1m distance): 180 - 250 mm

Illuminance field diameter L1+L2 (20%): 1200 mm

Light head energy consumption: 70 W

System maximum energy consumption: 450 W

Power/generator input: 220-240 V, 50/60 Hz, Automatic switch over from main supply to battery operating

Recharging time (after total discharge): 15-18 h

Battery type: 2 each, DC 12 V, 12 Ah, maintenance free, lead acid battery

Lighting time with full batter: 3 h

Linear air flow (Laminar flow): It is designed in an ergonomic structure which minimizes turbulence and is fully compatible with the linear air flow system

Packing Details

Spring arm: 55 x 185 x 920 mm, 5,5 kg

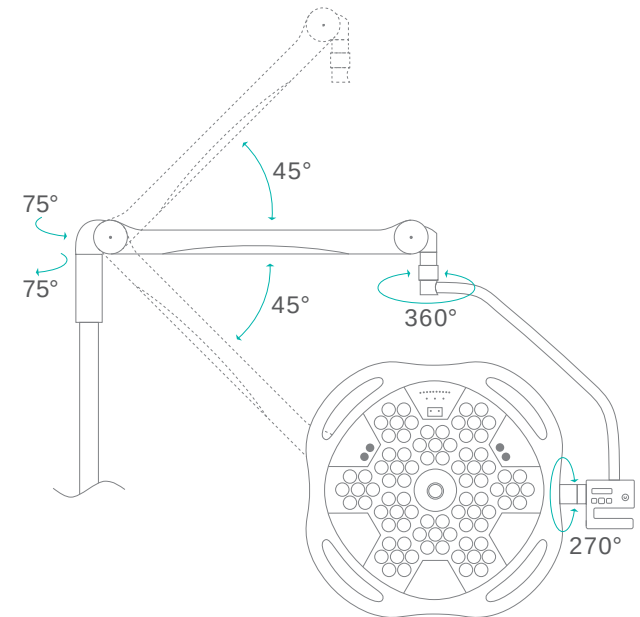
Upper and lower pipe: 1100 x 80 x 60 mm, 4,5 kg

Light head: 1100 x 1100 x 275 mm, 16 kg

Power base: 630 x 630 x 950 mm, 76,5 kg



Control Panel



Endo mode



Membrane control panel



Adjustable light intensity with touchless infrared sensor

NEW

Luxline 45 and Luxline 45D LED Examination Lights

Spiral Arm

Ref: M1V 550 0 0 (**Luxline 45 LED** Spiral Arm, Mobile)

Ref: M1V 650 0 0 (**Luxline 45D LED** Spiral Arm, Wall Mounted)



Technical Details

Luminous power: 65.000 Lux/0,5 m

Light intensity: Adjustable in 1 level

Light source: LED

LED life time: 50.000 h

Number of LED: 6 ea

Mounting type:

Pentagonal base w/5 wheels

Stand height: 1250 mm

Spiral arm: 600 mm length

Light head: 1 ea, rotates 300°

Light head diameter: 100 mm

Colour temperature: 3750 K $\pm$ 250

Colour rendering index (CRI): $\geq$ 97

Illuminance field diameter (d10):

200 $\pm$ 30 mm/0,5 m

Illuminance field: $\varnothing$ 100 mm/0,5 m

Action distance: 1600 mm

Power/generator input:

220-240 V, 50/60 Hz

Power consumption: 18 W

Packing Details

Packing dimensions:

715 x 725 x 220 mm

Net weight: 6,3 kg

Gross weight: 8,3 kg



Luxline 45 LED
Spiral Arm, Mobile

Luxline 60 and Luxline 60D LED Examination Lights

Articulated Arm



Technical Details

Luminous power: 60.000 Lux/0,5 m

Light intensity: Adjustable in four levels

Light source: LED

LED life time: 30.000 h

Number of LED: 16 ea

Mounting type: Pentagonal base with 5 wheels

Stand height: 1000 mm

Stand arm: 600 mm length, 93° up from horizontal

Articulated arm: 480 mm length,

90° down, 90° up from horizontal

Light head: 1 ea, rotates 360° on own axis,

90° down, 90° up from horizontal

Light head diameter: 240 mm

Colour temperature: 4500 K / 3500 K

Colour rendering index (CRI): $\geq$ 95

Action distance: 2210 mm

Illuminance field: $\varnothing$ 210 mm/0,5 m

Power/generator input: 220-240 V, 50/60 Hz

Power consumption: 22 W

Packing Details

Packing dimensions:

630 x 1380 x 220 mm

Net weight: 13 kg

Gross weight: 16,5 kg



Luxline 60D LED
Articulated Arm, Wall Mounted
Ref: M1S 500 0 0



Luxline 60 LED
Articulated Arm, Mobile
Ref: M1S 450 0 0