



™

Strength in patient care.

LED EXAM, PROCEDURE & SURGERY LIGHTS





MTI's History

Why MTI has "Strength in patient care."

When Jeff Baker founded Medical Technology Industries, Inc. (MTI), he had already worked in the healthcare field for over 26 years. His time as vice president of The HealthChair® Group's DMI® medical division, and years of experience in PDM®, The HealthChair® Group's podiatry division, prepared him for his new venture as he launched MTI in 1999.

Armed with the knowledge of his customers' needs and desires, Baker founded MTI to make and sell high quality patient and physician oriented seating and cabinetry, along with other accessories. MTI designed its first podiatry chair the same year the company was founded, followed by a complete line of cabinetry and examination chairs for otolaryngology.

MTI's success and rapid growth led to the construction in 2005 of a technology rich 50,000 square foot manufacturing facility. The building includes green technology, including computer controlled high efficiency cooling and heating systems, low-E glass windows, central plenum ceilings, and additional wall and ceiling insulation.

Always looking to the future, MTI is committed to continually producing high-quality and competitively priced products while remaining dedicated to customers, associates, and the community. MTI strives to remain at the forefront of the industry by employing qualified and well-trained associates, listening to customers' needs and desires, and never losing the thirst for success.

Other Products



Chairs & Tables:

MTI manufactures the largest variety of chairs for every specialty: Dermatology, ENT, Ophthalmology, Oral Surgery, Plastic Surgery, Podiatry, & Wound Care.



Cabinets:

MTI manufactures Mobile Treatment Cabinets and ENT Treatment Carts in a wide variety of sizes and options.



Seating:

MTI manufactures 12 models of hand and foot operated stools. Seat options include: no backrest, backrest, backrest with twin arms or curved body support.



Side Chairs:

MTI manufactures 2 models of exam and waiting room side chairs. Side Chairs are available with or without arms.

LED Lighting Comparison Chart

MTI offers many LED lights designed for patient comfort and ease of use to help physicians provide a higher level of care. LED lighting has quickly become standard in doctor offices and hospitals for use in exams, procedures, and surgeries. LEDs (Light Emitting Diodes) provide a whiter, brighter light, consume less power, last longer, and produce virtually no heat for a comfortable exam/procedure room for the patient and health care professional.



	Clarus 4™	Clarus 7™	Lumerus™	MI 550	MI 750	MI 1000	System 2
# of LED	4 LEDs	7 LEDs	1 LEDs	8 LEDs	18 LEDs	36 LEDs	60 LEDs
LED Life	40,000 hours	40,000 hours	70,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Color Temperature	4,300° K ± 300° K	4,300° K ± 300° K	4,100° K ± 300° K	4,300° K ± 300° K	4,300° K ± 300° K	4,300° K ± 300° K	4,300° K ± 300° K
Focal Length	12" (30.5 cm)	16" (40.6 cm)	16" (40.6 cm)	24" (.6 m)	39.4" (1 m)	39.4" (1 m)	39.4" (1 m)
Light Output	21,500 lux (2,000 fc)	33,400 lux (3,100 fc)	24,800 lux (2,300 fc)	55,000 lux (4,650 fc)	75,000 lux (6,968 fc)	100,000 lux (9,290 fc)	130,000 lux (12,077 fc)
Adjustable Light Pattern	No	No	No	No	No	No	Yes
Spot Size	3" (7.6 cm)	8" (20.3 cm)	5" (12.7 cm)	6" (15.2 cm)	9" (23 cm)	9" (23 cm)	9.5"(22.9 cm) - 14" (35.6 cm)
CRI	≤75	≤75	≤80	≤97	≤97	≤97	≤95
Mounting Options (PG. 11)	Caster Base & Floor Stand	Caster Base & Floor Stand	Chair Mounted, Caster Base & Floor Stand	Single/Dual Ceiling, Wall & Portable	Single/Dual Ceiling, Wall & Portable	Single/Dual Ceiling, Wall & Portable	Single, Dual, & Trio Ceiling
Dimming	Infinitely Dimmable 25-100% Full Intensity	Infinitely Dimmable 25-100% Full Intensity	Infinitely Dimmable 25-100% Full Intensity	2-Stage Dimming 50 or 100% of Full Intensity	3-Stage Dimming 50, 75 & 100% of Full Intensity	5-Stage Dimming 50, 62, 75, 87 & 100% of Full Intensity	5-Stage Dimming 50, 62, 75, 87 & 100% of Full Intensity
Sterilization Handle	No	No	No	Yes	Yes	Yes	Yes
Head Diameter	3" (7.6 cm)	3.5" (8.9 cm)	2.25" (5.7 cm)	9.2" (23.4 cm)	14.5" (36.8 cm)	18" (45.7 cm)	25.5" (64.8 cm)
Warranty	1-Year	1-Year	1-Year	3-Year	3-Year	3-Year	3-Year
Page #	PG. 04	PG. 05	PG. 06	PG. 07	PG. 08	PG. 09	PG. 10

Clarus 4™ Exam Light

The Clarus 4™ LED Exam Light is MTI's most affordable and environmentally friendly examination light. The Clarus 4™ high quality 3" light head with flexible neck features an infinitely adjustable dimming control and an optimally bright light pattern.

SPECIFICATIONS

- 4 White LEDs
- 40,000 hour rated LEDs*
- Color Temperature (CCT): 4,300° K \pm 300° K
- Focal Length: 12" (30.5 cm)
- Light Intensity: 21,500 lux (2,000 fc)
- Spot Size: 3" (7.6 cm) dia at 12" (30.5 cm)
- Color Rendering Index (CRI): \leq 75
- Mounting Options: Caster Base and Floor Stand
- Dimming Control: Infinitely adjustable 25-100% of full intensity
- Electrical Input/Consumption: 100-240V AC, 50-60Hz, 5.5W
- Power Cord: 3-wire grounded cord set, 8' (2.5 m) long
- Warranty: 1-year limited

** Assumes 8 hours of continual use/day, 5 days a week for 52 weeks/year. Actual LED life may be longer.*

DIMENSIONS

- Head Size: 3" (7.6 cm) dia.
- Head rotation: 340° vertical and 90° horizontal
- Caster Base: 73" (185.4 cm) high x 23.75" (60.3 cm) dia. base
- Floor Stand: 71" (180.3 cm) high x 15" (38.1 cm) dia. base

CERTIFICATIONS

- UL 153, UL 8750, CAN / CSA C22.2 No. 12





Clarus 7™ Exam Light

The Clarus 7™ LED Exam Light is MTI's brightest and environmentally friendly examination light. The Clarus 7™ high-quality 3.5" light head with flexible neck features a 7x1-Watt dimmable and optimally mixed bright, even light pattern.

SPECIFICATIONS

- 7White LEDs
- 40,000 hour rated LEDs*
- Color Temperature (CCT): 4,300° K ±300° K
- Focal Length: 16" (40.6 cm)
- Light Intensity: 33,400 lux (3,100 fc)
- Spot Size: 8" (15.2 cm) dia at 16" (40.6 cm)
- Color Rendering Index (CRI): ≤75
- Mounting Options: Caster Base and Floor Stand
- Dimming Control: Infinitely adjustable 25-100% of full intensity
- Electrical Input/Consumption: 100-240V AC, 50-60Hz, 9.6W
- Power Cord: 3-wire grounded cord set, 8' (2.5 m) long
- Warranty: 1-year limited

** Assumes 8 hours of continual use/day, 5 days a week for 52 weeks/year. Actual LED life may be longer.*

DIMENSIONS

- Head Size: 3.5" (8.9 cm) dia.
- Head rotation: 340° vertical and 90° horizontal
- Caster Base: 73" (185.4 cm) high x 23.75" (60.3 cm) dia. base
- Floor Stand: 71" (180.3 cm) high x 15" (38.1 cm) dia. base

CERTIFICATIONS

- UL 133, UL 8750, CAN / CSA C22.2 No. 12

Lumerus™ Exam Light

The Lumerus™ LED Exam Light is MTI's longest lasting, compact and environmentally friendly examination light. This flexible neck light offers an average of 70,000 hours of life and has the smallest sized head (2.25").

SPECIFICATIONS

- 1 White LED
- 70,000 hour rated LED*
- Color Temperature (CCT): 4,100° K ±300° K
- Focal Length: 16" (40.6 cm)
- Light Intensity: 24,800 lux (2,300 fc)
- Spot Size: 5" (10.2 cm) dia at 16" (40.6 cm)
- Color Rendering Index (CRI): ≤80
- Mounting Options: Chair Mounted, Caster Base and Floor Stand
- Dimming Control: Infinitely adjustable 25-100% of full intensity
- Electrical Input/Consumption: 100-240V AC, 50-60Hz, 5.5W
- Power Cord: 3-wire grounded cord set, 8' (2.5 m) long
- Warranty: 1-year limited

* Assumes 8 hours of continual use/day, 5 days a week for 52 weeks/year. Actual LED life may be longer.

DIMENSIONS

- Head Size: 2.25" (5.7 cm) dia.
- Head rotation: 340° vertical and 90° horizontal
- Caster Base: 73" (185.4 cm) high x 23.75" (60.3 cm) dia. base
- Floor Stand: 71" (180.3 cm) high x 15" (38.1 cm) dia. base

LISTINGS

- UL 153, UL 8750, CAN / CSA C22.2 No. 12





MI 550 Exam Light

The MI 550 is MTI's compact yet powerful examination light. With its easy to articulate head, long reach, and 55,000 lux output, it will provide a perfect solution for any examination room. This versatile light is rated at 50,000 hours of average life with various mounting options.

SPECIFICATIONS

- 8 LEDs
- 50,000 hour rated LEDs
- Color Temperature (CCT) 4,300° K \pm 300° K
- Focal Length: 24" (61 cm)
- Light Intensity: 55,000 lux (5,110 fc)
- Spot Size: 6" (15.2 cm) dia at 24" (60 cm)
- Color Rendering Index (CRI): \leq 97
- Mounting Options: Single/Dual Ceiling, Wall and Portable Floorstand
- Dimming Control: 2-stage dimming 50-100% of full intensity
- Removable and Sterilizable handle with ON/OFF button
- Electrical Input/Consumption: 100-240 VAC, 50-60Hz, 50W
- Warranty: 3-year limited

DIMENSIONS

- Head Size: 9.2" (23.4 cm) dia
- Arm Vertical Movement: +15° up and -60° down
- Arm Horizontal Movement: 540°
- Arm/Yoke Interface: 540°
- Yoke/Light Head Interface: 300°
- Articulating Arm Length: 66" (16.76 cm)

LISTINGS

- IEC60601-1:2006 / CAN/CSA C22.2 No. 601.1-M90, IEC60601-2-41, EN-60601-1-2(2006)



MI 750 Procedure Light

The ideal, versatile light for exam and procedures, the MI 750 delivers maximum brightness, sharpness and color accuracy, so you can visualize your work in the most precise way.

SPECIFICATIONS

- 18 LEDs
- 50,000 hour rated LEDs
- Color Temperature (CCT) 4,300° K \pm 300° K
- Focal Length: 39.4" (1 meter)
- Light Intensity: 75,000 lux (6,968 fc)
- Spot Size: 9" (23 cm) at 39.4" (100 cm)
- Color Rendering Index (CRI): \leq 97
- Mounting Options: Single/Dual Ceiling, Wall and Portable Floorstand
- Dimming Control: 3-stage dimming 50-100% of full intensity
- Removable and Sterilizable handle with ON/OFF button
- Electrical Input/Consumption: 100-240V, 50-60Hz, 65W
- Warranty: 3-year limited

DIMENSIONS

- Head Size: 14.5" (36.8 cm) dia.
- Arm Vertical Movement: +15° up and -60° down
- Arm Horizontal Movement: 540°
- Arm/Yoke Interface: 540°
- Yoke/Light Head Interface: 300°
- Articulating Arm Length: 66" (16.76 cm)

LISTINGS

- IEC60601-1:2006 / CAN/CSA C22.2 No. 601.1-M90, IEC60601-2-41, EN-60601-1-2(2006)





MI 1000 Procedure Light

The MI 1000 is ideal for mid-size exam, procedure and surgery rooms. It offers unsurpassed longevity and flexibility in a package that's incredibly affordable. The large diameter LED provides exceptional shadow control.

SPECIFICATIONS

- 36 LEDs
- 50,000 hour rated LEDs
- Color Temperature (CCT) 4,300° K ±300° K
- Focal Length: 39.4" (1 meter)
- Light Intensity: 100,000 lux (9,290 fc)
- Spot Size: 8.3" (20.9cm) at 39.4" (100 cm)
- Color Rendering Index (CRI): ≤97
- Mounting Options: Single/Dual Ceiling, Wall and Portable Floorstand
- Dimming Control: 5-stage dimming 50-100% of full intensity
- Removable and Sterilizable handle with ON/OFF button
- Electrical Input/Consumption: 100-240V, 50-60Hz, 60W
- Warranty: 3-year limited

DIMENSIONS

- Head Size: 18" (45.7 cm) dia.
- Arm Vertical Movement: +15° up and -60° down
- Arm Horizontal Movement: 540°
- Arm/Yoke Interface: 540°
- Yoke/Light Head Interface: 300°
- Articulating Arm Length: 66" (16.76 cm)

LISTINGS

- IEC60601-1:2006 / CAN/CSA C22.2 No. 601.1-M90, IEC60601-2-41, EN-60601-1-2(2007)



System Two Surgery Light

The System Two LED is ideal for larger procedure and surgery rooms. It's been brilliantly engineered to provide profoundly brighter, whiter, cooler and more adjustable lighting than any previous technology. So you get the most vivid, accurate colors with remarkable shadow control — and virtually no heat emission. All at a price you won't sweat over.

SPECIFICATIONS

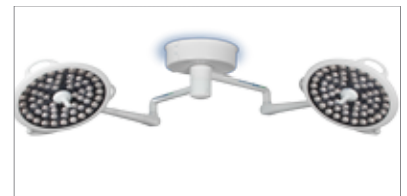
- 60 LEDs
- 50,000 hour rated LEDs
- Color Temperature (CCT) 4,300° K \pm 300° K
- Focal Length: 39.4" (1 meter)
- Light Intensity: 130,00 lux (12,077 fc)
- Spot Size: Adjustable 9.5" (22.9 cm) – 14" (35.6 cm) dia. at 39.4" (1 meter)
- Color Rendering Index (CRI): \leq 95
- Mounting Options: Single, Dual and Trio Ceiling mounts
- Dimming Control: 5-stage dimming 50-100% of full intensity
- Removable and Sterilizable handle with ON/OFF button
- Electrical Input/Consumption: 100-240V AC, 50-60Hz, 120W
- Warranty: 3-year limited

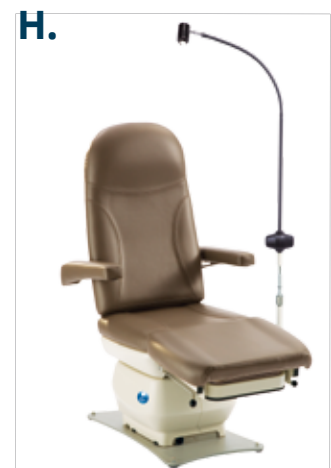
DIMENSIONS

- Head Size: 25.5" (64.8 cm) dia.
- Arm Vertical Movement: +15° up and -65° down
- Arm Horizontal Movement: 540°
- Arm/Yoke Interface: 540°
- Yoke/Light Head Interface: 300°
- Articulating Arm Length: 77" (19.68 cm)

LISTINGS

- IEC60601-1:2006 / CAN/CSA C22.2 No. 601.1-M90, IEC60601-2-41, EN-60601-1-2(2)





Light Mounts

MTI's Clarus 4, Clarus 7, Lumerus, MI 550, MI 750, MI 1000, and System Two LED lights may be configured with the following mounting options. Consult with an MTI sales representative for further information on the mount best for your practice and proper measurement locations.

SPECIFICATIONS

- A. Wall Mount (MI 550, 750 & 1000)
- B. Single Ceiling (MI 550, 750, 1000 & System I)
- C. Dual Ceiling (MI 550, 750, 1000 & System II)
- D. Trio Ceiling (MI System II)
- E. Portable Floor (All Lights except System II)
- F. Floor Stand (Clarus 4 & 7, Lumerus)
- G. Chair Back Mounted (Lumerus)
- H. Chair Post Mounted (Lumerus)



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