LIGHTING PRODUCT SERIES

LED FIXTURE
Area & Site
Wall Pack
Full Cutoff Wall Pack
Roadway
Dusk To Dawn
Flood Lighting
Sports Light
Bollards
Post Top
Landscape
High Bay
Canopy
Linear High Bay
Linear Fixture
Vapor Tight

EFFICIENT
P O W E R   T E C H
www.EfficientPowerTech.com

LED FIXTURES
CATALOG

2021 ver.1

www.efficientpowertech.com

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Specifications are subject to change without notice.
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CONTENTS

EFFICIENT
P O W E R   T E C H

Efficient Power Tech was formed in 2015 to provide small to medium sized commercial and industrial businesses with all the same product quality of advanced energy technologies available to their mega-large competitors at affordable price points that can make an immediate positive impact on their businesses with the most attentive and responsive service available.

Our mission is to provide profitable energy management solutions for efficiency and sustainability.

Area & Site (MAL01)

MAL01 is the first generation of area light series.High performance EPT area/site luminaire is the culmination of energy-efficient LED lighting in a sleek low profile design. MAL01 series feature the latest LED technology, thermal management and controls, while providing excellent lighting and uniformity for large area/site applications

Small Size 40W&70W&105W
Dimensions: 12.4x18.45x7in.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Round pole, Square pole, Slipfitter and Wall mount

UL listing
- Wet location

Recommended Use
- Automobile dealerships
- Parking lots
- Downtown areas

Distribution
- Type Ⅲ, Ⅳ and Ⅴ
- Backlight control

Replaces up to 320W MH fixtures.

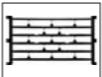| SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MAL40W27V50KDSQT3MES	5000K	40W	5,450 lm	136 lm/W	100W MH
EPT01AL70W27V50KDSQT3MES	5000K	70W	9,000 lm	128 lm/W	250W MH
EPT01AL105W27V50KDSQT3MES	5000K	105W	13,400 lm	127 lm/W	320W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Photocell - 120V-277V 347V/480V
USE: Photocell is field installed

Backlight Control

Area & Site (MAL02)

MAL02 series provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. MAL02 is the high-end design. Multiple arm designs and mounting options are available. U.L. and CUL listed. Additionally, fixture to system-level controls is available to help improve energy savings and lower maintenance costs.

Medium Size 150W&200W
Dimensions: 22.46x13x6.99in.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Round pole, Square pole, Slipfitter and Wall mount

UL listing
- Wet location

Recommended Use
- Automobile dealerships
- Parking lots
- Downtown areas

Distribution
- Type Ⅲ, Ⅳ and Ⅴ
- Backlight control

Large Size 250W&300W
Dimensions: 31.78x13.4x6.99in.

Replaces up to 1000W MH fixtures.

| SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MAL02150W27V50KDSQT3MES	5000K	150W	19,700 lm	131 lm/W	400W MH
EPT01MAL02200W27V50KDSQT3MES	5000K	200W	26,200 lm	131 lm/W	400W MH
EPT01MAL02250W27V50KDSQT3MES	5000K	250W	33,250 lm	133 lm/W	750W MH
EPT01MAL02300W27V50KDSQT3MES	5000K	300W	39,300 lm	131 lm/W	1000W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor is field installed

Photocell - 120V-277V 347V/480V
USE: Photocell is field installed
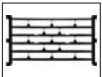
Backlight Control

Area & Site (MAL04)

MAL04 series is the compact, efficient, economical approach to LED area lighting and provides functional, low-profile design with excellent operating performance. MAL04 series feature the latest LED technology, thermal management and controls, while providing excellent lighting and uniformity for large area/site applications. Multiple arm designs and mounting options are available. It delivers uniform and energy conscious illumination to parking lots and commercial lighting applications.

Small Size 40W&70W&100W
Dimensions: 19.6x8.46x6.99in.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Round pole, Square pole, Slipfitter and Wall mount

Medium Size 150W&200W
Dimensions: 21.12x12.25x6.99in.

UL listing
- Wet location

Recommended Use
- Automobile dealerships
- Parking lots
- Downtown areas

Large Size 250W&300W
Dimensions: 30.25x12.25x6.99in.

Distribution
- Type Ⅲ, Ⅳ and Ⅴ

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MAL0440W27V50KDSQT3MES	5000K	40W	5,500 lm	138 lm/W	175W MH
EPT01MAL0470W27V50KDSQT3MES	5000K	70W	9,600 lm	137 lm/W	250W MH
EPT01MAL04100W27V50KDSQT3MES	5000K	100W	13,800 lm	138 lm/W	320W MH
EPT01MAL04150W27V50KDSQT3MES	5000K	150W	20,800 lm	138 lm/W	400W MH
EPT01MAL04200W27V50KDSQT3MES	5000K	200W	26,000 lm	130 lm/W	400W MH
EPT01MAL04250W27V50KDSQT3MES	5000K	250W	34,500 lm	138 lm/W	1000W MH
EPT01MAL04300W27V50KDSQT3MES	5000K	300W	41,000 lm	136 lm/W	1000W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Photocell - 120V-277V 347V/480V
USE: Photocell is field installed

Backlight Control

Area & Site (MAL06)

MAL06 series utilizes the latest advancements in solid-state lighting to deliver a maximum level of output with minimal energy consumption for a modern outdoor lighting solution. It is available with a wide choice of different LED wattage configurations and optical distributions designed to replace MH lighting up to 1000W MH. Multiple different mounting options allow for application in a wide variety of new and existing installations.

Medium Size 100W&150W&200W
Dimensions: 22.46x13x6.99in.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Round pole, Square pole, Slipfitter and Wall mount

Large Size 300W&350W
Dimensions: 31.78x13.4x6.99in.

UL listing
- Wet location

Recommended Use
- Automobile dealerships
- Parking lots
- Downtown areas

Distribution
- Type Ⅲ, Ⅳ and Ⅴ

Replaces up to 1000W MH fixtures.

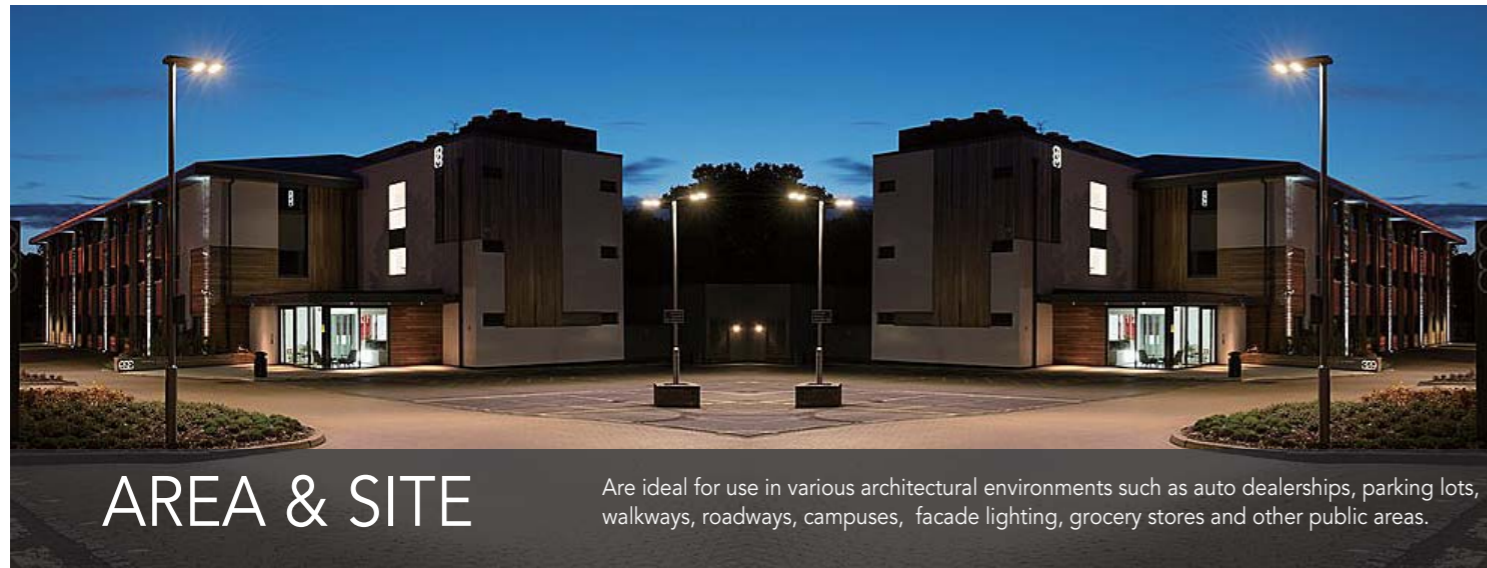| SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MAL06100W27V50KDSQT3MES	5000K	100W	14,800 lm	148 lm/W	250W MH
EPT01MAL06150W27V50KDSQT3MES	5000K	150W	22,000 lm	146 lm/W	400W MH
EPT01MAL06200W27V50KDSQT3MES	5000K	200W	28,000 lm	140 lm/W	400W MH
EPT01MAL06300W27V50KDSQT3MES	5000K	300W	44,000 lm	146 lm/W	1000W MH
EPT01MAL06350W27V50KDSQT3MES	5000K	350W	50,350 lm	144 lm/W	1000W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Photocell - 120V-277V 347V/480V
USE: Photocell is field installed

AREA & SITE

Are ideal for use in various architectural environments such as auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

MOUNTING

• Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
• Wall Mount available for direct wall mounting and J-box mounting
• Optional for die-cast aluminum slipfitter mounting adapter

Arm Mount（Square or Round poles）
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2''(2-3/8''O.D. pipe size) horizontal steel tenon arm.

Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting

Housing
Features a compact, one-piece die cast housing, saving costs versus models that are extruded or cast and require additional parts. The heat sink is included in the actual casting, further minimizing the need for additional parts.

Photocontrol
Optional twist-lock photocontrol allows for further energy saving.

Standard Arm Mount
The design features an integral arm, increasing strength and simplifying installation.

PHOTOMETRY
Optional Type Ⅲ and Type Ⅳ and Type Ⅴ Photometry as per applications.

PIR Sensor
Optional PIR sensor allows for security and energy saving

INSTALLATION KIT

253.71mm(9.99in.)   191.77mm(7.55in.)   85mm(3.35in.)

Slipfitter Installation kit
NO. SPFD04DA
Finish: Dark Bronze
USE: For pole mounting. Aluminum mast arm adapter secures fixture head to nominal 2''(2-3/8''O.D. pipe size) horizontal steel tenon arm. Furnished with two 1/2" hex head stainless-steel screw.

19mm(0.75in.)   177mm(6.97in.)   87.35mm(3.46in.)

Round Poles Installation kit
NO. SQAL01DA
Finish: Dark Bronze
USE: Standard versatile mounting arm for MESTER Area Light application, with K/O to install Photocell or sensor.Furnished with two 5/16" hex head stainless-steel bolts and two 1/2" hex head stainless-steel screw. Suitable for 4" & 5" round Ploes.

198.99mm(7.84in.)   69.99mm(2.75in.)   90mm(3.54in.)   176.98mm(6.97in.)

Square Poles Installation kit
NO. SQAL01DA-A
Finish: Dark Bronze
USE: Standard versatile mounting arm for MESTER Area Light application, with K/O to install Photocell or sensor.Furnished with two 5/16" hex head stainless-steel bolts and two 1/2" hex head stainless-steel screw. Suitable for 4" & 5" square pole.

182.98mm(7.2in.)   73mm(2.87in.)   188mm(7.4in.)

Yoke Installation kit
NO. YKFD04DA
Finish: Dark Bronze
USE: The yoke mount attaches an MESTER floodlight(70W/105W/150W/200W) to almost any surface: wall, roof, or wood pole. It can be used with our 2-3 / 8 "O.D. Tenon mounting bracket (SP-TR-D) to install.

338mm(13.3in.)   313mm(12.3in.)   37mm(1.45in.)

250W Trunnion Installation kit
NO. TRFD04DA
Finish: Dark Bronze
USE: The trunnion mount attaches an MESTER floodlight(250W/300W) to almost any surface: wall, roof, or wood pole. It can be used with our 2-3 / 8 "O.D. Tenon mounting bracket (SP-TR-D) to install.

203mm(7.99in.)   152mm(5.98in.)

Wall Mount Installation kit
NO. WMAL01DA
Finish: Dark Bronze
USE: Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting, and with K/O to install Photocell or sensor. Furnished with two 5/16" hex head stainless-steel bolts.

POLE BRACKET · For mounting one fixture on an existing pole

60mm(2 3/8in.)   183.6mm(7.228in.)   76mm(3in.)   102±1mm(4 in.)

4" Square Pole Mount with 2-3/8" O.D. Tenon
No. 4SQ-SP-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

60mm(2 3/8in.)   222.5mm(8.76in.)   101.6mm(4in.)   106.68mm(4.2in.)

4" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 4SQR-SP-D
Finish:Dark Bronze
USE:For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

60mm(2 3/8in.)   183.6mm(7.228in.)   76mm(3in.)   127±1mm(5 in.)

5" Square Pole Mount with 2-3/8" O.D. Tenon
No. 5SQ-SP-D
Finish: Dark Bronze
USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

60mm(2 3/8in.)   222.5mm(8.76in.)   101.6mm(4in.)   131.86mm(5.19in.)

5" Round Pole Mount with 2-3/8" O.D. Tenon
NO. 5SQR-SP-D
Finish:Dark Bronze
USE:For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.

Pole Bracket Accessories –Angle-Adjustment Adapter
NO. SQA-ALDA
Finish: Dark Bronze
USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.

154.5±1mm(6.08 in.)   108.6mm(4.28in.)   102±1mm(4 in.)   63mm(2.48in.)

Pole Bracket accessories-Tenon & Yoke Adaptor
NO. SP-TR-D
Finish: Dark Bronze
USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MESTER light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Mester Flood Light Series of light fixtures.

WALL BRACKET
· Attaches to any flat surface
· Provides wiring access

60mm (2.363in.)
102±1mm(4 in.)
227.2mm(8.95 in.)
252.4mm(9.94in.)
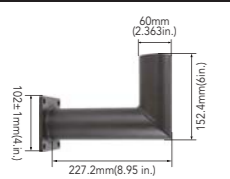
90° Wall Mount Bracket with 2-3/8" O.D. Tenon
NO. WM-SP-D
Finish: Dark Bronze
USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MESTER floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.

Mid-Pole tenon Bracket

185mm(7.28in.)
180mm(7.086 in.)
60mm(2 3/8in.)
100mm(3.94 in.)
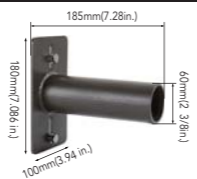
2-3/8" OD Horizontal Tenon Mid-Pole Bracket
NO. SQ-SP-D
Finish:Dark Bronze
USE:2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slipfitter onto a 2-3/8" OD horizontal tenon

Round External Mount Horizontal Tenon
· To mount 2/3/4 fixtures on a existing pole

184mm(7.25in.)
101.6mm(4in.)
60mm(2.363in.)
62mm(2.44in.)

Double 90' Horizontal Tenon Adaptor
NO. R60-SP2-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

60mm(2.363in.)
101.6mm(4in.)
184mm(7.25in.)
62mm(2.44in.)

Triple 120' Horizontal Tenon Adaptor
NO. R60-SP3-120-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

184mm(7.25in.)
101.6mm(4in.)
60mm(2 3/8in.)
62mm(2.44in.)

Double 180' Horizontal Tenon Adaptor
NO. R60-SP2-180-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

101.6mm(4in.)
60mm(2.363in.)
184mm(7.25in.)
62mm(2.44in.)

Quad 90' Horizontal Tenon Adaptor
NO. R60-SP4-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

101.6mm(4in.)
60mm(2 3/8in.)
184mm(7.25in.)
62mm(2.44in.)

Triple 90' Horizontal Tenon Adaptor
NO. R60-SP3-90-D
Finish:Dark Bronze
USE:The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally

LED Wall Pack (MWP01)

Cast in a traditional design, the wall packs offer a popular, classic appearance with energy-efficient LED technology. These LED wall packs were designed to look exactly the same as our traditional HID wall packs, so you can easily upgrade without leaving behind any unsightly discoloration from the old fixture. Ideal for outdoor applications such as security, building entryways and walkway

Medium Size **30W&45W&70W**
Dimensions:14.21x9.25x7.2in.

Housing
▪ Rugged die-cast aluminum, corrosion-resistant housing
▪ Dark bronze polyester powder-coat finish

LEDs
▪ LM-80 certified high performance and reliable LEDs

Electrical
▪ Universal 120-277/347/480 VAC input voltage

Mounting
▪ Junction box or wall mount

UL listing
▪ Wet location

Recommended Use
▪ Pathway
▪ Building entryways
▪ Perimeter lighting

Large Size **90W&135W**
Dimensions:18x9.75x8.72in.
Available with **480V**

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP30W27V50KDMES	5000K	30W	3,400 lm	113 lm/W	100W MH
EPT01MWP45W27V50KDMES	5000K	45W	5,300 lm	117 lm/W	175W MH
EPT01MWP70W27V50KDMES	5000K	70W	8,100 lm	115 lm/W	250W MH
EPT01MWP90W27V50KDMES	5000K	90W	11,200 lm	124 lm/W	320W MH
EPT01MWP135W27V50KDMES	5000K	135W	16,400 lm	121 lm/W	400W MH

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

Emergency Battery Backup
NO. EB-8W/90min-1
USE： 900lm 90min.
Only suitable for 45W,70W

LED Full Cutoff Wall Pack (MWP02)

The full cutoff LED wall pack provides a durable and efficient exterior light source for any application requiring maximum performance and minimum maintenance. The rugged, die-cast aluminum housing makes the Wall Pack virtually impenetrable to contaminants. Our building mounted outdoor lighting products are perfect for pedestrian and parking areas, walkways, garages, stairways, perimeter and other outdoor spaces requiring additional safety and security.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277/347-480 VAC input voltage

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Medium Size 27W&45W&70W
Dimensions:14.21x9.25x7.99in.

Large Size 90W&135W
Dimensions:18.098x9.02x9.75in.

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

Emergency Battery Backup
NO. EB-8W/90min-1
USE： 900lm 90min.
Only suitable for 27W,45W,70W

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP0227W27V50KDMES	5000K	27W	3,950 lm	146 lm/W	100W MH
EPT01MWP0245W27V50KDMES	5000K	45W	6,450 lm	143 lm/W	175W MH
EPT01MWP0270W27V50KDMES	5000K	70W	9,900 lm	141 lm/W	250W MH
EPT01MWP0290W27V50KDMES	5000K	90W	12,200 lm	136 lm/W	320W MH
EPT01MWP02135W27V50KDMES	5000K	135W	18,000 lm	133 lm/W	400W MH

LED Wall Pack (MWP06)

The WP06 series has too sizes and 3,400 to 15,550 lumens, combined with a comprehensive variety of battery backup, controls, and other options to meet your specification or building code. Ideal for outdoor applications such as security, building entryways and walkway

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Medium Size 30W&45W&70W
Dimensions:14.21x13.07x7.95in.

Large Size 90W&135W
Dimensions:18x9.75x9.22in.

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE： 900lm 90min.
Only suitable for 45W,70W,90W

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP0630W27V50KDMES	5000K	30W	3,400 lm	113 lm/W	100W MH
EPT01MWP0645W27V50KDMES	5000K	45W	4,950 lm	110 lm/W	175W MH
EPT01MWP0670W27V50KDMES	5000K	70W	7,900 lm	113 lm/W	250W MH
EPT01MWP0690W27V50KDMES	5000K	90W	9,950 lm	111 lm/W	320W MH
EPT01MWP06135W27V50KDMES	5000K	135W	15,550 lm	115 lm/W	400W MH

LED Full Cutoff Wall Pack (MWP07)

The full cutoff LED wall pack is easily customizable to fit every building's design aesthetic and a mix of architectural styling and energy savings. The rugged, die-cast aluminum housing makes the wall pack virtually impenetrable to contaminants. Our building mounted outdoor lighting products are perfect for pedestrian and parking areas, walkways, garages, stairways, perimeter and other outdoor spaces requiring additional safety and security.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277/347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Medium Size 27W&45W&70W
Dimensions:14.21x9.25x8.78

Large Size 90W&135W
Dimensions:18.096x9.75x9.53

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP0727W27V50KDDMES	5000K	27W	3,750 lm	139 lm/W	100W MH
EPT01MWP0745W27V50KDDMES	5000K	45W	6,100 lm	136 lm/W	175W MH
EPT01MWP0770W27V50KDDMES	5000K	70W	9,450 lm	135 lm/W	250W MH
EPT01MWP0790W27V50KDDMES	5000K	90W	12,200 lm	136 lm/W	320W MH
EPT01MWP07135W27V50KDDMES	5000K	135W	18,000 lm	133 lm/W	400W MH

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE：900lm 90min.
Only suitable for 27W,45W,70W,90W

LED Wall Pack (MWP08)

The MWP08 efficiently deliver lumens and consume less energy than traditional wall pack MH technologies. A traditional non-cutoff design offers best vertical illuminations. This versatile luminaire is ideal for replacing existing MH fixtures. Applications: Security, pathway and perimeter lighting Building entryways and walkways.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277/347-480 VAC input voltage

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Wall Pack 30W&40W&65W&90W&125W
Dimensions:14.21x9.25x7.2in.

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MWP0830W27V50KDMES	5000K	30W	3,600 lm	120 lm/W	100W MH	Premium
EPT01MWP0840W27V50KDMES	5000K	40W	5,100 lm	127 lm/W	175W MH	Premium
EPT01MWP0865W27V50KDMES	5000K	65W	7,900 lm	121 lm/W	250W MH	Standard
EPT01MWP0890W27V50KDMES	5000K	90W	10,500 lm	117 lm/W	320W MH	Standard
EPT01MWP08125W27V50KDMES	5000K	125W	15,000 lm	120 lm/W	400W MH	Standard

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

Emergency Battery Backup
NO. EB-8W/90min-1
USE：900lm 90min.
Only suitable for 30W,40W,65W

LED Wall Pack (MWP10)

The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire. Well-crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. 0 to +90° tilt adjustments. The classic architectural shape of the WP10 series was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage
- 1-10V dimming optional

Mounting
- Junction box or wall mount

UL listing
- Wet location

IP65
- IP65 rated fixture

Recommended Use
- Security and pathway
- Perimeter lighting
- Building entryways
- Walkways

Small size **27W&40W**
Dimensions: 7.29x9.13x4.2in.

Medium size **67W&80W**
Dimensions: 10.06x11.02x5.09in.

Head tilts 0 to 90° degree

Replaces up to 320W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP1027W27V50KDMES	5000K	27W	3,600 lm	133 lm/W	100W MH
EPT01MWP1040W27V50KDMES	5000K	40W	5,200 lm	130 lm/W	175W MH
EPT01MWP1067W27V50KDMES	5000K	67W	8,800 lm	131 lm/W	250W MH
EPT01MWP1080W27V50KDDMES	5000K	80W	10,500 lm	131 lm/W	320W MH

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

LED Wall Pack (MWP12)

The MWP12 series designed to meet contractor's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in one size with lumen packages ranging from 3,950 to 12,200 lumens, providing a true site-wide solution.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277/347-480 VAC input voltage

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Medium size **27W&45W&70W&90W**
Dimensions: 14.21x9.25x8.2in.

Replaces up to 320W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MWP1227W27V50KDMES	5000K	27W	3,950 lm	146 lm/W	100W MH
EPT01MWP1245W27V50KDMES	5000K	45W	6,450 lm	143 lm/W	175W MH
EPT01MWP1270W27V50KDMES	5000K	70W	9,900 lm	141 lm/W	250W MH
EPT01MWP1290W27V50KDMES	5000K	90W	12,200 lm	136 lm/W	320W MH

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting
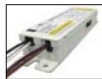
Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.
Only suitable for 27W,45W,70W

LED Wall Mount (MWM01)

The LED wall mount luminaire provides a flush-mounted, architectural design with high performing energy efficient illumination resulting in up to 88 percent energy savings. MWM01 replaces up to 120W incandescent, making it ideal for pathway, building entrances and perimeter lighting.

Clear Lens   **Frosted Lens**

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Mounting
- Junction box or wall mount

UL listing
- Wet location

Recommended Use
- Pathway
- Building entryways
- Perimeter lighting

Dimensions: 8.37x5.47x3.46in.

Replaces up to 50W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	Lens
EPT01WM15W27V50KDMES	5000K	15W	1,750 lm	117 lm/W	100W Incandescent	Clear Lens
EPT01WM17W27V50KDMES	5000K	17W	1,950 lm	115 lm/W	120W Incandescent	Clear Lens
EPT01WM25W27V50KDMES	5000K	25W	2,600 lm	104 lm/W	50W MH	Clear Lens
EPT01WM15W27V50KDFMES	5000K	15W	1,820 lm	121 lm/W	100W Incandescent	Frosted Lens
EPT01WM17W27V50KDFMES	5000K	17W	2,000 lm	118 lm/W	120W Incandescent	Frosted Lens
EPT01WM25W27V50KDFMES	5000K	25W	2,700 lm	108 lm/W	50W MH	Frosted Lens

LED Roadway Light (MRL01)

The Mester LED roadway luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Our customer focused features include single latch tool-less entry, industry leading surge protection options and superior lumen maintenance and performance, all in an economical design. It is ideal for illuminating walkways, parking lots and roadways.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Pole mount

UL listing
- Wet location

Recommended Use
- Walkways
- Parking lots
- Roadways

Distribution
- Type Ⅱ, Ⅲ and Ⅳ

Roadway **45W&70W&100W&150W**
Dimensions: 23.84x4.52x10.43in.

Pre-listed by Texas DOT

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MRL0145W27V40KSGT3MES	5000K	45W	6,350 lm	141 lm/W	175W MH
EPT01MRL0170W27V40KSGT3MES	5000K	70W	9,400 lm	134 lm/W	250W MH
EPT01MRL01100W27V40KSGT3MES	5000K	100W	13,800 lm	138 lm/W	320W MH
EPT01MRL01150W27V40KSGT3MES	5000K	150W	20,000 lm	133 lm/W	400W MH

Accessories

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Dusk To Dawn (MDD01)

The LED Dusk to Dawn combines optical performance, energy efficiency and versatility to meet the needs of any area. By providing industry-leading efficacy of up to 142 lumens per watt and an industry-leading 5-year limited warranty, MDD01 maintains the same great benefits of the family line. While its lightweight design, tool-less entry, and easy installation make the luminaire an ideal solution for any contractor.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze/Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Mounting
- Pole mount or wall mount

UL listing
- Wet location

Recommended Use
- Walkways
- Parking lots
- Roadways

Dusk To Dawn 45W&70W
Dimensions: 20.69x17.73x8.98in.

Replaces up to 175W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01ST45W27V50KASGMES	5000K	45W	6,400 lm	142 lm/W	100W MH
EPT01ST70W27V50KASGMES	5000K	70W	9,600 lm	137 lm/W	175W MH

Accessories

Mounting arm kit
USE: For pole mounting

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Dusk To Dawn (MDD03)

The LED Dusk to Dawn combines optical performance, energy efficiency and versatility to meet the needs of any area. By providing industry-leading efficacy of up to 140 lumens per watt, MDD03 maintains the same great benefits of the family line. While its lightweight design, tool-less entry, and easy installation make the luminaire an ideal solution for any contractor.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze/Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Mounting
- Pole mount or wall mount

UL listing
- Wet location

Recommended Use
- Walkways
- Parking lots
- Roadways

27W&40W
Dimensions: 10.82x4.33in.

Economical 29W&42W
Dimensions: 10.82x4.33in.

Replaces up to 175W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MDD0327W27V50KSGMES	5000K	27W	3,850 lm	143 lm/W	100W MH	Standard
EPT01MDD0340W27V50KSGMES	5000K	40W	5,650 lm	141 lm/W	175W MH	Standard

ECONOMICAL

SKU	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MDD0329W27V50KSGP0MES	5000K	29W	3,450 lm	119 lm/W	100W MH	/
EPT01MDD0342W27V50KSGP0MES	5000K	42W	4,950 lm	118 lm/W	175W MH	/

Accessories

Mounting arm kit
USE: For pole mounting

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting
Only suitable for 27W&40W

LED Dusk To Dawn (MDD04)

Replace those old "barn lights" with the powerful, energy-efficient Dusk to Dawn LED luminaires that consumes less than 20 watts, providing energy savings of up to 75%. Featuring a classic dayform, the TDD2 LED offers a fresh update to a traditional appearance and is powered by advanced photocell, which makes it ideal for walkways parking lots and warehouses.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze/Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120V/120-277 VAC input voltage

Mounting
- Pole mount or wall mount

UL listing
- Wet location

Recommended Use
- Walkways
- Parking lots
- Roadways

20W&40W&60W
Dimensions: 10.8x3.7in.

Replaces up to 175W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MDD0420W12V50KSGP1MES	5000K	20W	2,100 lm	105 lm/W	50W MH
EPT01MDD0440W12V50KSGP1MES	5000K	40W	4,200 lm	105 lm/W	100W MH
EPT01MDD0460W27V50KSGP1MES	5000K	60W	7,200 lm	120 lm/W	175W MH

Accessories

Mounting arm kit
USE: For pole mounting

LED Dusk To Dawn (MDD05)

The energy savings, long life and easy-to-install design of the MDD05 series make it the smart choice for building-and post-mounted doorway, pathway, barn and yard illumination for nearly any facility.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze/Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Mounting
- Pole mount or wall mount

UL listing
- Wet location

Recommended Use
- Walkways
- Parking lots
- Roadways

45W&65W&90W
Dimensions: 14.2x7.6in.

Replaces up to 250W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MDD0545W27V50KSGP0MES	5000K	45W	5,200 lm	116 lm/W	100W MH
EPT01MDD0565W27V50KSGP0MES	5000K	65W	7,400 lm	114 lm/W	175W MH
EPT01MDD0590W27V50KSGP0MES	5000K	90W	10,500 lm	117 lm/W	250W MH

Accessories

Mounting arm kit
USE: For pole mounting

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Flood Light (MFD03)

The mini LED floodlight provides energy-efficient small area floodlighting solutions. Wall mount or trunnion mounting plus adjustable knuckle provides mounting flexibility. This powerful LED luminaire is the perfect choice for many floodlighting applications including: walkways, landscape, facade, or small area illumination.

15W
Dimensions:
4.72x2.95x1.27in.
(Knuckle & Trunnion)

16W
Dimensions:
5.95x3.3x1.2in.
(Knuckle & Trunnion)

30W
Dimensions:
7.08x4.42x1.61in.
(Knuckle & Trunnion &
Wall mount)

45W
Dimensions:
8.26x5.15x2in.
(Knuckle & Trunnion &
Wall mount)

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze/Silver Gray polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Mounting
- Knuckle mount, Trunnion mount or Wall mount

UL listing
- Wet location

IP65
- IP65 rated fixture

Recommended Use
- Landscape
- Building facades
- Commercial lighting

MOUNTING

1/2" Knuckle Mount
Die-cast aluminum knuckle provides flexibilityin mounting from a variety of areas.

Trunnion Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

Wall Mount (30W & 45W)
Wall Mount is easy to install for direct wall mounting with 1/2' conduit wiring or standard J-box mounting

Replaces up to 175W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01FD15W27V50KBDB77MES	5000K	15W	1,500 lm	100 lm/W	50W MH
EPT01FD30W27V50KBDB77MES	5000K	30W	3,000 lm	100 lm/W	100W MH
EPT01FD45W27V50KBDB77MES	5000K	45W	5,400 lm	120 lm/W	175W MH

ECONOMICAL

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MFD0316W12V50KDB76KNMES	5000K	16W	1,600 lm	100 lm/W	50W MH

LED Flood Light (MFD05)

MFD05 series are designed to provide superior performance and efficacy for exterior applications. Scalable Lumen Packages from 19,000 to 51,000 Lumens replaces up to 1000W Metal Halide. A wide variety of optics and color temperatures are available that provide the user with exceptional control for wash washing applications. An integral power supply with universal 120-277V or 347-480 VAC input voltage and 1-10v dimming makes installation simple.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Wall mount, slipfitter or trunnion(Yoke)

UL listing
- Wet location

Recommended Use
- Landscape
- Building facades
- Commercial lighting

150W&200W
Dimensions: 21.56x12.99x2.82in.

250W&300W
Dimensions: 26.58x14.29x3.15in.

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MFD05150W27V50KBDB77MES	5000K	150W	21,150 lm	141 lm/W	320W MH
EPT01MFD05200W27V50KBDB77MES	5000K	200W	27,200 lm	136 lm/W	400W MH
EPT01MFD05250W27V50KBDB77MES	5000K	250W	35,250 lm	141 lm/W	750W MH
EPT01MFD05300W27V50KBDB77MES	5000K	300W	42,300 lm	141 lm/W	1000W MH

Accessories

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Flood Light (MFD07)

Ultra compact LED high performance architectural styled energy-efficient floodlights available a variety of colors, feature multiple NEMA beam spreads, excellent uniformity, photocontrol and shielding options for optimum performance and energy savings. Ideal for use in walkways, landscape, façade and wall washing

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Wall mount, slipfitter or trunnion(Yoke)

UL listing
- Wet location

IP65
- IP65 rated fixture

Recommended Use
- Landscape
- Building facades
- Commercial lighting

**Small Size
40W/70W/100W**
Dimensions:
17.067x8.465x2.46in

**Medium Size
150W/200W**
Dimensions:
19.07x12.244x2.46in.

**Large Size
250W/300W**
Dimensions:
27.726x12.244x2.46in.

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MFD0740W27V50KBDB77MES	5000K	40W	5,720 lm	143 lm/W	175W MH
EPT01MFD0770W27V50KBDB77MES	5000K	70W	9,800 lm	140 lm/W	250W MH
EPT01MFD07100W27V50KBDB77MES	5000K	100W	13,900 lm	139 lm/W	320W MH
EPT01MFD07150W27V50KBDB77MES	5000K	150W	20,800 lm	139 lm/W	400W MH
EPT01MFD07200W27V50KBDB77MES	5000K	200W	26,000 lm	130 lm/W	400W MH
EPT01MFD07250W27V50KBDB77MES	5000K	250W	35,250 lm	141 lm/W	750W MH
EPT01MFD07300W27V50KBDB77MES	5000K	300W	42,000 lm	140 lm/W	1000W MH

Accessories

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Flood Light (MFD08)

The MFD08 luminaire is a high performance LED lighting solution designed with optical versatility and a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, watertight LED driver compartment and high performance aluminum heat sinks. Markets include parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- 1-10V dimming optional

Mounting
- Knuckle mount, Slipfitter mount, Yoke mount, Trunnion mount

UL listing
- Wet location

Recommended Use
- Landscape
- Building facades
- Commercial lighting

15W/27W
Dimensions:
5.98x6.56x2.55in.

45W/60W
Dimensions:
8.47x6.56x3.12in.

70W/100W
Dimensions:
11.06x14.21x4.9in.

135W/200W
Dimensions:
14.53x16.73x4.37in.

350W
Dimensions:19.27x16.64x5.23in.

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MFD0815W27V50KDB76KNMES	5000K	15W	2,000 lm	133 lm/W	50W MH
EPT01MFD0827W27V50KDB76KNMES	5000K	27W	3,600 lm	133 lm/W	100W MH
EPT01MFD0845W27V50KDB76KNMES	5000K	45W	5,650 lm	126 lm/W	175W MH
EPT01MFD0860W27V50KDB76KNMES	5000K	60W	7,450 lm	124 lm/W	250W MH
EPT01MFD0870W27V50KDB76SPMES	5000K	70W	8,900 lm	127 lm/W	250W MH
EPT01MFD08100W27V50KDDB76SPMES	5000K	100W	13,300 lm	133 lm/W	320W MH
EPT01MFD08135W27V50KDDB76SPMES	5000K	135W	18,000 lm	133 lm/W	320W MH
EPT01MFD08200W27V50KDDB76SPMES	5000K	200W	26,200 lm	131 lm/W	400W MH
EPT01MFD08350W27V50KDDB76TRMES	5000K	350W	50,000 lm	143 lm/W	1000W MH

Accessories

Photocell - Button, 120-277V
USE: Photocell is field installed or Pre-installed in factory by requesting

Flood Light (MFD09)

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Scalable Lumen Packages from 14,900 to 51,100 Lumens replaces up to 1000W Metal Halide. A variety of mounting options are also available including wall mount, slipfitter and trunnion.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Wall mount, slipfitter or trunnion(Yoke)

UL listing
- Wet location

Recommended Use
- Landscape
- Building facades
- Commercial lighting

100&150W&200W
Dimensions: 21.56x12.99x2.82in.

300W&350W
Dimensions: 26.58x14.29x3.15in.

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MFD09100W27V50KBDB77MES	5000K	100W	14,900 lm	149 lm/W	320W MH
EPT01MFD09150W27V50KBDB77MES	5000K	150W	23,000 lm	153 lm/W	400W MH
EPT01MFD09200W27V50KBDB77MES	5000K	200W	28,400 lm	142 lm/W	400W MH
EPT01MFD09300W27V50KBDB77MES	5000K	300W	43,800 lm	146 lm/W	1000W MH
EPT01MFD09350W27V50KBDB77MES	5000K	350W	51,100 lm	146 lm/W	1000W MH

Accessories

Photocell
No. PC-JL-120-277V
USE: Photocell is field installed or pre-installed in factory by requesting

LED Sports Light (MSL01)

Designed for High School, Collegiate, Recreational and Professional indoor and outdoor sports venues and outdoor stadium lighting. Heavy-Duty, lightweight and durable Die-Cast design for high wear resistance withstands harsh, extreme outdoor conditions. The highly efficient and professional LED sports light, with different NEMA distributions, deliver more foot-candles of illumination to exactly where you need.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Black polyester powder-coat finish

Electrical
- Universal 120-277V/277V-480V VAC input voltage
- 0-10V dimming optional

Mounting
- Trunnion

UL listing
- Wet location

Recommended Use
- General and security lighting for large areas
- Port and rail centers
- Airport apron
- Interior or exterior sports

Distribution
- 3Hx3V, 4Hx4V

Small Size

Large Size

340W&495W
Dimensions: 20.6x16.3x20.2in.

500W&650W&805W
Dimensions: 23.8x18.5x21.63in.

SMALL SIZE

SKU	CCT	Power	Light Output	Efficacy
EPT01MSL01340W27V50KBB44TRMES	5000K	340W	52,000 lm	153 lm/W
EPT01MSL01495W27V50KBB44TRMES	5000K	495W	71,500 lm	144 lm/W

LARGE SIZE

SKU	CCT	Power	Light Output	Efficacy
EPT01MSL01500W27V50KBDB44TRMES	5000K	500W	71,500 lm	143 lm/W
EPT01MSL01650W48V50KBDB44TRMES	5000K	650W	92,000 lm	142 lm/W
EPT01MSL01805W48V50KBDB44TRMES	5000K	805W	115,000 lm	143 lm/W

Accessories

Silver Top Visor (Default)

White Top Visor (Optional)

Aiming Sight

Bluetooth Controller (Optional)

Post Top Light (MPL01)

The post top provides a unique, scalable lighting solution targeted for 8' to 20' mounting heights. Its design brings proportion to parking lots, drive lanes, entrances, building perimeters and pathways. The excellent optical design that deliver the smooth light with a very good uniformity. The structure is clean and more popular, promotes harmony betsween the outdoor lighting and architecture.

Housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Poles or wall sconce

UL listing
- Wet location

Ambient Temperature
- Ambient operating temperature -40° C to 45° C

Recommended Use
- Building perimeters
- Pathway
- Green area

Post Top Light **45W&70W&87W&130W**
Dimensions:24.3xØ25.2in.

Replaces up to 400W MH fixtures.

SKU	DIST	CCT	Power	Light Output	Efficacy	Replaces
EPT01MPL0145W27V50KDMES	TYPE V	5000K	45W	5,500 lm	121 lm/W	100W MH
EPT01MPL0170W27V50KDMES	TYPE V	5000K	70W	8,700 lm	121 lm/W	175W MH
EPT01MPL0187W27V50KDMES	TYPE V	5000K	87W	10,600 lm	122 lm/W	250W MH
EPT01MPL01130W27V50KDMES	TYPE V	5000K	130W	15,800 lm	122 lm/W	400W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Photocell - 120V-277V 347V/480V
USE: Photocell is field installed

Bollards (MBL01)

The MESTER LED Bollard is a stylish, energysaving, long-life solution designed to perform the way a bollard should-with good glare light. An optical leapforward, this full cut-off luminaire will meet the most stringent of lighting codes. Its rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service. It is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

Housing
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage
- Standard with 1-10V dimming

UL listing
- Wet location

Ambient Temperature
- Ambient operating temperature -40° C to 45° C

Recommended Use
- Walkways
- Retail
- Apartment Complexes

Bollard Light **26W**
Dimensions:50.62x5.5xØ9.28in.

Replaces up to 100W MH fixtures.

SKU	Height	CCT	Power	Light Output	Efficacy	Replaces
EPT01MBL0126W27V50KDMES	3.5 ft	5000K	26W	3,100 lm	119 lm/W	100W MH

Accessories

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.

Landscape (MLS01)

This MLS01 series is the perfect choice for many commercial and residential applications including: wall washing, landscape, facade, or small area illumination. The landscape series has a traditional 1/2" NPS threaded knuckle mounting that provides superior aiming without loosening over time and is constructed out of die-cast aluminum with powder coat paint finish for excellent value and rugged service.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

Electrical
- Input 12-24V AC/DC

Mounting
- Traditional 1/2" NPS threaded adjustable knuckle mounting.

UL listing
- Wet location

Recommended Use
- Landscape
- Building facades
- Wall washing

7W&12W
Dimensions:
4.72x2.95x1.27in.

20W
Dimensions:
7.08x4.42x1.61in.

40W
Dimensions:
8.26x5.15x2in.

Replaces up to 100W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MLS017W24V30KHDB77MES	3000K	7W	600 lm	86 lm/W	60W Incandescent
EPT01MLS0112W24V30KHDB77MES	3000K	12W	1,000 lm	83 lm/W	120W Incandescent
EPT01MLS0120W24V30KHDB77MES	3000K	20W	1,700 lm	85 lm/W	50W HID
EPT01MLS0140W24V30KHDB77MES	3000K	40W	3,400 lm	85 lm/W	100W MH

Accessories

Ground Stake   Cowl

Landscape (MLS02)

This MLS02 series is small and low voltage LED luminaire. The landscape series has a unique 1/2" NPS threaded knuckle mounting that provides superior aiming without loosening over time and is constructed out of die-cast aluminum with powder coat paint finish for excellent value and rugged service.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze polyester powder-coat finish

Electrical
- Input 12-24V AC/DC

Mounting
- Traditional 1/2" NPS threaded adjustable knuckle mounting.

UL listing
- Wet location

Recommended Use
- Landscape
- Building facades
- Wall washing

6W & 10W
Input 12-24V AC/DC
Dimensions: 7.573xØ2.5in.
Available with 25° & 40° & 60°

25°   40°   60°
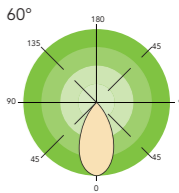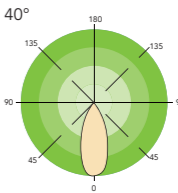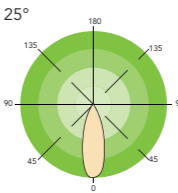
Replaces up to 100W Incandescent fixtures.

SKU	CCT	Power	Light Output	Efficacy	Beam Angle	Replaces
EPT01MLS026W24V30KD40MES	3000K	6W	500 lm	83 lm/W	40°	60W Incandescent
EPT01MLS0210W24V30KD40MES	3000K	10W	650 lm	65 lm/W	40°	100W Incandescent

Accessories

Ground Stake

LED Canopy (MCP03)

MCP03 series is a commercial grade LED canopy luminaire that utilizes high powered LEDs with precise efficient optical control and on board wattage and lumen choices. It provides excellent uniformity, energy efficiency and control for surface mount applications. The versatile and functional features: energy-efficient LED system, rugged design, pendant or junction box mounting options, multiple lumen packages and optical distributions.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- White, dark bronze or black polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 or 347VAC input voltage
- 1-10V dimming optional

Mounting
- Pendant or surface mount.

UL listing
- Wet location

Recommended Use
- Retail and grocery
- Parking structures
- Walkways

30W & 45W & 60W
Dimensions: 12x12x3.32in.

Emergency Battery
NO. EB-8W/90min-1
USE: 900lm 90min.

30W & 45W & 60W
Dimensions: 12x18.85x3.32in.

Parking Garage

Replaces up to 175W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MCP0330W27V50KDDPGMES	5000K	30W	3,600 lm	120 lm/W	100W MH
EPT01MCP0345W27V50KDDPGMES	5000K	45W	5,000 lm	111 lm/W	100W MH
EPT01MCP0360W27V50KDDPGMES	5000K	60W	7,100 lm	118 lm/W	175W MH

Accessories

Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed.

Emergency Box
NO. EB-8W/90min-1
USE: 900lm 90min.

LED Canopy (MCP05)

60W LED ceiling light delivers 8,000 lumens for an energy-efficient replacement of 250W MH canopy lights. Traditional style does not detract from current building aesthetics. The economical MCP05 provides years of maintenance-free general illumination for outdoor applications. Ideal for entrances, parking garage, covered walkways and loading docks.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- White, dark bronze or black polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277VAC or 347-480VAC input voltage
- 1-10V dimming optional

Mounting
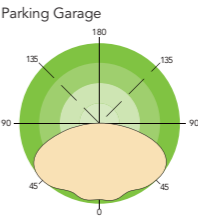- Pendant or surface mount.

UL listing
- Wet location

IP65
- IP65 rated fixture

Recommended Use
- Retail and grocery
- Parking structures
- Walkways

27W & 40W & 60W
Dimensions: 9.52x9.52x3.19in.

Parking Garage

Replaces up to 250W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MCP0527W27V50KDDMES	5000K	27W	3,800 lm	141 lm/W	100W MH
EPT01MCP0540W27V50KDDMES	5000K	40W	5,450 lm	136 lm/W	175W MH
EPT01MCP0560W27V50KDDMES	5000K	60W	8,000 lm	133 lm/W	250W MH

Accessories

Sensor - Screw on, 120V-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Box
NO. EB-8W/90min-1
USE: 900lm 90min.

LED Canopy (MCP06)

The circular MCP06 has a beautiful appearance, and its uniform light distribution can achieve a good lighting effect. Multiple fins increase the heat dissipation surface area so that the MCP06 has a life span of more than 50,000 hours. MCP06 performs excellent energy-saving result with dimming sensor and Mester smart control system.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- White, dark bronze or black polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277VAC or 347-480VAC input voltage
- Standard with 1-10V dimming

Mounting
- Conduit pendant or surface mounting

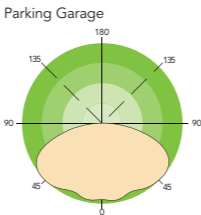**UL listing**
- Wet location

Ambient Temperature
- Ambient operating temperature -40° C to 45° C

Recommended Use
- Retail and grocery
- Parking structures
- Walkways

27W & 45W & 60W & 90W
Dimensions:Ø13.03x3.15in.

Parking Garage

Replaces up to 250W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MCP0627W27V50KDMES	5000K	27W	3,500 lm	130 lm/W	100W MH
EPT01MCP0645W27V50KDMES	5000K	45W	5,450 lm	121 lm/W	175W MH
EPT01MCP0660W27V50KDMES	5000K	60W	7,400 lm	123 lm/W	250W MH
EPT01MCP0690W27V50KDMES	5000K	90W	11,200 lm	124 lm/W	250W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.
Only suitable for 45W,60W,90W

LED High Bay (MHB02)

The HB02 are built to withstand standard 55°C temperature and able to eliminate the dust, moisture and airborne contaminants. They are known for their superior optical design and efficient illumination. Hook or pendant mount supports simple one-for-one replacement of outdated lighting, simplifying LED installations and upgrades. MHB02 features economical LED lighting solutions that reduce energy and maintenance costs without sacrificing illumination performance.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- White polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Conduit pendant, hook or surface mounting

UL listing
- Wet location

Ambient Temperature
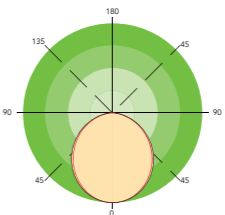- Ambient operating temperature -40° C to 55° C

Recommended Use
- Warehouses
- Industrial
- Retail

140W&180W
Dimensions:Ø15.56x7.08in.

140W&180W
Dimensions:Ø15.56x7.52in.

67W&97W
Dimensions:Ø13.03x7.9in.

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MHB0267W27V50KWMES	5000K	67W	9,400 lm	140 lm/W	175W MH	/
EPT01MHB0297W27V50KWMES	5000K	97W	13,700 lm	141 lm/W	250W MH	/
EPT01MHB02140W27V50KWMES	5000K	140W	19,100 lm	136 lm/W	250W MH	Standard
EPT01MHB02180W27V50KWMES	5000K	180W	24,500 lm	136 lm/W	400W MH	Standard

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Box
NO. EB-16W/90min-1
USE: 2000lm 90min.

LED High Bay (MHB04)

High bay is the ideal light source for energy-efficient, low maintenance illumination in large spaces. Designed with durability and functionality in mind, the LED Round High Bay lighting options are versatile and suited to satisfy most all long-term lighting needs. The MHB04 is ideal for light industrial applications, and is your LED replacement for up to 400W MH fixtures. The MHB04 also excels in large indoor lighting. Optional built-in motion sensor is both convenient and energy efficient, and ultra-high light efficiency exceeds your expectations.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Conduit pendant, hook or J-box mounting

UL listing
- Wet location

Ambient Temperature
- Ambient operating temperature -40˚ C to 55˚ C

Recommended Use
- Warehouses
- Industrial
- Manufacturing

135W&175W&200W
Dimensions:Ø15.354x8.67in.

135W&175W&200W
Dimensions:Ø15.354x18.261in.

135W&175W&200W
Dimensions:Ø15.354x14.20in.

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MHB04135W27V50KDMES	5000K	135W	19,400 lm	144 lm/W	250W MH
EPT01MHB04175W27V50KDMES	5000K	175W	25,600 lm	146 lm/W	400W MH
EPT01MHB04200W27V50KDMES	5000K	200W	29,800 lm	149 lm/W	400W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed
    in factory or field installed

Emergency Box
NO. EB-16W/90min-1
USE: 2000lm 90min.

HIGH BAY

Aluminium Reflector

120°
Optical Lens

Conical Bottom Lens

Smooth Flat Lens
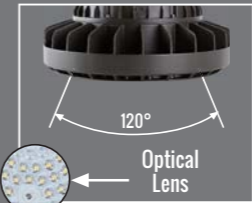
Mounting

Hook Mount
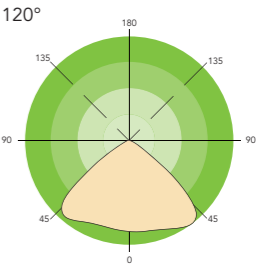Provided hook offers a anti-shedding screw ensure highest security

Conduit Pendant Mount
3/4" conduit entry point is available for pendant mount optional

J-BOX Mount
Suitable for standard J-box mounting

Choose your optical distribution
Each optic is designed for a specific purpose.

120°
180
135   135
90   90
45   45
0

LED High Bay (MHB05)

High bay is the ideal light source for energy-efficient, low maintenance illumination in large spaces. Designed with durability and functionality in mind, the LED Round High Bay lighting options are versatile and suited to satisfy most all long-term lighting needs. The MHB05 delivers ultra-high luminous flux for use in large indoor environments with a clearance of more than 30 feet. Its high luminous efficiency features cost savings for customers and is favored by customers compared with similar products. The MHB05 is ideal for industrial and manufacturing applications, and is your LED replacement for up to 1000W MH fixtures.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Dark bronze polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Conduit pendant, hook mounting

UL listing
- Wet location

Ambient Temperature
- Ambient operating temperature -40˚ C to 65˚ C

Recommended Use
- Warehouses
- Industrial
- Manufacturing

250W&340W
Dimensions:Ø24.25x8.724in.

Replaces up to 1000W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	Temperature
EPT01MHB05250W27V50KDMES	5000K	250W	40,100 lm	160 lm/W	750W MH	-40˚ C to 55˚ C
EPT01MHB05340W27V50KDMES	5000K	340W	55,500 lm	163 lm/W	1000W MH	-40˚ C to 55˚ C
EPT01MHB05200W27V50KDMES	5000K	200W	32,800 lm	164 lm/W	400W MH	-40˚ C to 65˚ C
EPT01MHB05300W27V50KDMES	5000K	300W	49,500 lm	165 lm/W	750W MH	-40˚ C to 65˚ C

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

LED High Bay (MHB06)

MHB06 is a black economical alternative to MHB02 with light efficiency up to 136 lm/ W. The MHB06 is suitable for using in low level of lighting spaces as an economic choice for customers. And more than 80 CRI will generate visual comfortable lighting.

Housing
- Durable, die-cast aluminum housing with heat dissipating fins
- Black polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Conduit pendant, hook or surface mounting

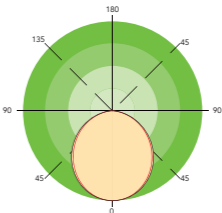**UL listing**
- Wet location

Ambient Temperature
- Ambient operating temperature -40˚ C to 50˚ C

Recommended Use
- Warehouses
- Industrial
- Retail

67W&97W
Dimensions:Ø13.03x7.9in.

190W
Dimensions:Ø15.56x7.08in.

140W
Dimensions:Ø13.03x8.26in.

Replaces up to 400W MH fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MHB0667W27V50KBMES	5000K	67W	9,100 lm	136 lm/W	175W MH
EPT01MHB0697W27V50KBMES	5000K	97W	12,300 lm	127 lm/W	250W MH
EPT01MHB06140W27V50KBMES	5000K	140W	17,500 lm	125 lm/W	250W MH
EPT01MHB06190W27V50KBMES	5000K	190W	24,000 lm	126 lm/W	400W MH

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Box
NO. EB-16W/90min-1
USE: 2000lm 90min.

U-bracket
Use for surface mounting application.

LED Linear High Bay (MLH01)

The Linear High Bay series provides maximum value and performance in a low-profile design. MLH01 delivers high efficacy lumen packages ranging from 13,800 to 60,000 and comes in 2'x4', 2'x2', 1'x4' and 1'x2' sizes. Suggested installations include warehouse, factory, convention center and gymnasium etc.

Housing
- Rugged cold-rolled steel plate corrosion-resistant housing
- White coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277VAC or 347-480VAC input voltage
- Standard with 1-10V dimming

Mounting
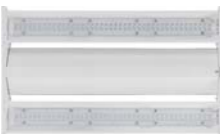- Conduit and chains pendant or surface mount

Recommended Use
- Office
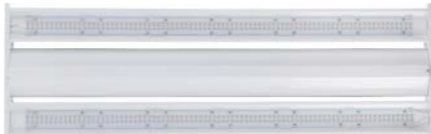- Warehouse
- Commercial lighting

Ambient Temperature
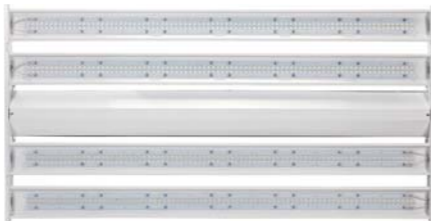- Ambient operating temperature -40˚ C to 55 ˚ C

UL listing
- Damp location

1'x2'(95W & 130W)
Dimensions: 23.9x14.4x2.88in.

2'x2'(160W)
Dimensions: 24.02x23.9x2.88in.

1'x4'(160W & 200W)
Dimensions: 47.55x14.4x2.88in.

2'x4'(250W&320W&400W)
Dimensions: 47.48x24.02x2.88in.

Replace up to 24 F32 T8 fixtures.

SKU	Size	CCT	Power	Light Output	Efficacy	Replaces
EPT01HBL12D95W27V50KBMDMES	1'x2'	5000K	95W	13,800 lm	145 lm/W	(6) F32 T8
EPT01HBL12D130W27V50KBMDMES	1'x2'	5000K	130W	18,500 lm	142 lm/W	(8) F32 T8
EPT01HBL14D160W27V50KBMDMES	1'x4'	5000K	160W	24,000 lm	150 lm/W	(10) F32 T8
EPT01HBL14D200W27V50KBMDMES	1'x4'	5000K	200W	30,000 lm	150 lm/W	(12) F32 T8
EPT01HBL22D160W27V50KBMDMES	2'x2'	5000K	160W	24,000 lm	150 lm/W	(10) F32 T8
EPT01HBL24D250W27V50KBMDMES	2'x4'	5000K	250W	36,000 lm	144 lm/W	(14) F32 T8
EPT01HBL24D320W27V50KBMDMES	2'x4'	5000K	320W	48,000 lm	150 lm/W	(18) F32 T8
EPT01HBL24D400W27V50KBMDMES	2'x4'	5000K	400W	60,000 lm	150 lm/W	(24) F32 T8

Accessories

Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.

Wire guard
USE: Wire guard is field installed

Pendant hanger
USE: Pendant with 3/4" conduit

LED Linear High Bay (MLH03)

The economical solution for warehouse, factory, convention center and gymnasium, the MLH03 series offers multiple lumen packages representing a total range of 12,600 up to 50,000 nominal lumens, provides easy installation into most existing luminaries and replaces linear fluorescent fixtures in new construction or renovation.

Housing
- Rugged cold-rolled steel plate corrosion-resistant housing
- White coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming

Mounting
- Pendant or surface mount.

UL listing
- Damp location

Ambient Temperature
- Ambient operating temperature -40˚ C to 55 ˚ C

Recommended Use
- Office
- Warehouse
- Commercial lighting

90W & 130W
Dimensions: 23.92x10.31x1.83in.

130W & 180W & 205W
Dimensions: 23.92x19.69x1.83in.

130W & 180W
Dimensions: 47.55×14.4×2.88 in.

270W & 300W & 370W
Dimensions: 47.55x24x2.87in.

Replaces up to 18 F32 T8 fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MLH0390W27V50KCDMES	5000K	90W	12,600 lm	140 lm/W	(3) F54T5, (4) F32T8 or 250W HID	Premium
EPT01MLH03E130W27V50KCDMES	5000K	130W	17,700 lm	136 lm/W	(4)F54T5,(6)F32T8 or 400W HID	/
EPT01MLH03130W27V50KCDMES	5000K	130W	18,500 lm	142 lm/W	(4)F54T5, (6)F32T8 or 400W HID	Premium
EPT01MLH03L130W27V50KCDMES	5000K	130W	18,500 lm	142 lm/W	(4)F54T5,(6)F32T8 or 400W HID	/
EPT01MLH03L180W27V50KCDMES	5000K	180W	24,000 lm	133 lm/W	(6)F54T5,(8)F32T8	/
EPT01MLH03180W27V50KCDMES	5000K	180W	24,500 lm	136 lm/W	(6)F54T5, (8)F32T8	Premium
EPT01MLH03205W27V50KCDMES	5000K	205W	29,000 lm	141 lm/W	(8)F54T5, (10)F32T8	Premium
EPT01MLH03270W27V50KCDMES	5000K	270W	36,000 lm	133 lm/W	(12)F54T5, (14)F32T8	Premium
EPT01MLH03300W27V50KCDMES	5000K	300W	40,000 lm	133 lm/W	(16)F54T5, (18)F32T8	Premium
EPT01MLH03370W27V50KCDMES	5000K	370W	50,000 lm	135 lm/W	(20)F54T5,(24)F32T8	/

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.

Steel Wire Rope
USE: Chain mounting.

Pendant hanger
USE: Pendant with 3/4" conduit Only for 130/180/205W

LED Linear High Bay (MLH04)

With 2ft housing and long-life LEDs, MLH04 was designed to replace up to 400W MH or fluorescent linear tubes and can be mounted as high as 40 feet, making them ideal for use in warehouses and industrial applications. The 180 watts and 205 watts LED light engine provide nominal efficacies of 132 lm/w for applying to new lighting layout or more energy-efficient renovation.

Housing
▪ Rugged cold-rolled steel plate corrosion-resistant housing
▪ White coat finish

LEDs
▪ LM-80 certified high performance and reliable LEDs

Electrical
▪ Universal 120-277 VAC or 347-480 VAC input voltage
▪ Standard with 1-10V dimming

Mounting
▪ Pendant or surface mount.

UL listing
▪ Damp location

Ambient Temperature
▪ Ambient operating temperature -40˚ C to 55 ˚ C

Recommended Use
▪ Office
▪ Warehouse
▪ Commercial lighting

90W & 130W
Dimensions: 23.62×9.84×1.77in.

180W & 205W
Dimensions: 23.62×15.75×1.77in.

Replaces up to 10 F32 T8 fixtures.

SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MLH0490W27V50KMES	5000K	90W	12,600 lm	140 lm/W	(3) F54T5, (4) F32T8 or 250W HID
EPT01MLH04130W27V50KMES	5000K	130W	18,500 lm	142 lm/W	(4)F54T5, (6)F32T8 or 400W HID
EPT01MLH04180W27V50KMES	5000K	180W	23,800 lm	132 lm/W	(6)F54T5, (8)F32T8
EPT01MLH04205W27V50KMES	5000K	205W	27,000 lm	132 lm/W	(8)F54T5, (10)F32T8

Accessories

PIR Motion Sensor, 120-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.

LED Linear Fixture (MLF02)

The linear fixture series provides aesthetic and performance choices, integrated controls options and innovative mounting accessories ideal for commercial, retail, manufacturing, warehouse, cove and display applications. When paired with occupancy sensors, dimming and intuitive controls, you save energy and extend the life of the fixtures.

Housing
▪ Rugged cold-rolled steel plate with powder coat finish

LEDs
▪ LM-80 certified high performance and reliable LEDs

Electrical
▪ Universal 120-277 VAC or 347-480 VAC input voltage
▪ Standard with 1-10V dimming

Mounting
▪ Surface or chain mounting

UL listing
▪ Damp location

Ambient Temperature
▪ Ambient operating temperature -40˚ C to 40 ˚ C

Recommended Use
▪ Retail
▪ Manufacturing
▪ Commercial lighting

4' (23W & 35W & 45W& 70W)
Dimensions: 24x3.80x2.88in.

8' (46W & & 65W & 80W)
Dimensions: 48x3.8x2.88in.

Accessories

Sensor - Screw on, 120V-277V
USE: Sensor can be pre-installed in factory or field installed

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.

Steel Wire Rope
USE: Chain mounting.

Mounting Plate
USE: Surface mounting.

Row connector
USE: Connect fixtures as a linear group

Replaces up to T5HO×4 fixtures.

SKU	Size	CCT	Power	Light Output	Efficacy	Replaces	DLC
EPT01MLF0223W27V50KFMES	4'	5000K	23W	3,050 lm	133 lm/W	T5HOx1	Premium
EPT01MLF0235W27V50KFMES	4'	5000K	35W	4,700 lm	134 lm/W	T5HOx1	Premium
EPT01MLF0245W27V50KFMES	4'	5000K	45W	6,005 lm	134 lm/W	T5HOx2	Premium
EPT01MLF0270W27V50KFMES	4'	5000K	70W	9,400 lm	134 lm/W	T8x4	/
EPT01MLF0246W27V50KFMES	8'	5000K	46W	6,100 lm	134 lm/W	T5HOx2	Premium
EPT01MLF0265W27V50KFMES	8'	5000K	65W	8,750 lm	135 lm/W	T8x4	Premium
EPT01MLF0280W27V50KFMES	8'	5000K	80W	10,550 lm	132 lm/W	T5HO×4	Standard

LED Vapor Tight Linear (MVT03)

Mester vapor tight linear provides exceptional illumination performance, cost-effective lighting and are designed for easy installation to save time and money. Housing is completely sealed against moisture and environmental contaminants. The MVT03 is suitable to match existing fluorescent fixtures or keep the same aesthetic throughout your site. Ideal for using in industrial, manufacturing, grocery and retail.

Housing
- Rugged die-cast aluminum, corrosion-resistant housing
- Dark bronze, white or black polyester powder-coat finish

LEDs
- LM-80 certified high performance and reliable LEDs

Electrical
- Universal 120-277 VAC input voltage

Photometric
- Parking garage or low bay

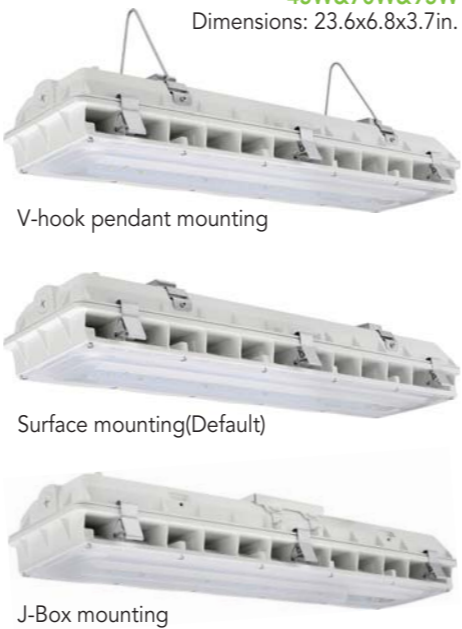**Mounting**
- Surface mounting

UL listing
- Wet location

Ambient Temperature
- Ambient operating temperature -40° C to 40 ° C

Recommended Use
- Grocery
- Parking structures
- Industrial lighting

45W&70W&95W
Dimensions: 23.6x6.8x3.7in.

V-hook pendant mounting

Surface mounting(Default)

J-Box mounting

Replaces up to 250W MH fixtures.

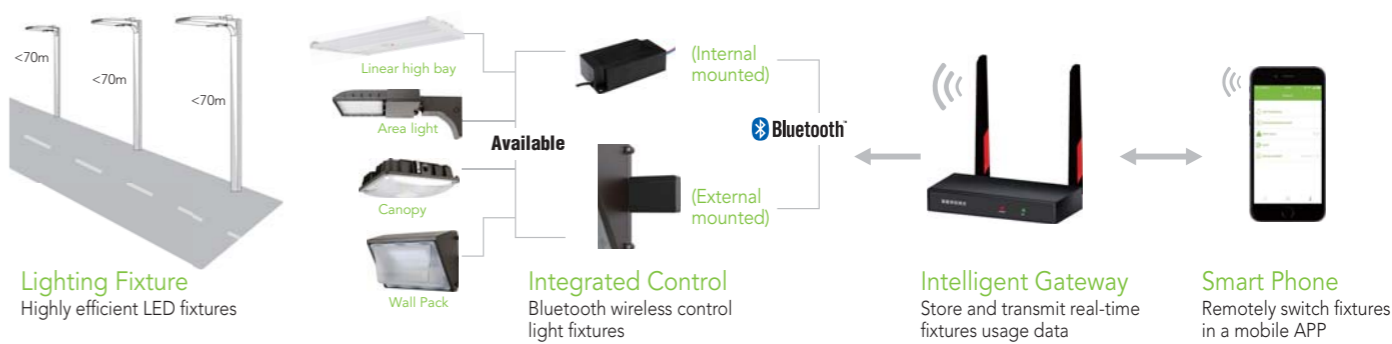| SKU	CCT	Power	Light Output	Efficacy	Replaces
EPT01MVT0345W27V50KPGMES	5000K	45W	5,600 lm	124 lm/W	175W MH
EPT01MVT0370W27V50KPGMES	5000K	70W	8,500 lm	121 lm/W	250W MH
EPT01MVT0395W27V50KPGMES	5000K	95W	11,600 lm	122 lm/W	250W MH
EPT01MVT0345W27V50KLBMES	5000K	45W	6,000 lm	133 lm/W	175W MH
EPT01MVT0370W27V50KLBMES	5000K	70W	9,400 lm	134 lm/W	250W MH
EPT01MVT0395W27V50KLBMES	5000K	95W	13,000 lm	137 lm/W	250W MH

Accessories

Emergency Battery Backup
NO. EB-8W/90min-1
USE: 900lm 90min.
Only suitable for 45W,70W

Sensor - Screw on, 120V-277V
USE: Sensor can be pre-installed
in factory or field installed

Smart Wireless Lighting Controls System

The Smart Wireless Lighting Controls System is an indoor or outdoor Wireless Bluetooth control system for office, warehouse, parking lot, street and commercial lights. The unique technology within the system enables customers to wirelessly control luminaires through an integrated network and Bluetooth system. This control system switches the lights which you need to control at any time to achieve the best energy saving effect. Can be used in perfect combination with area light, canopy, wall pack and linear high bay.

<70m   <70m   <70m

Linear high bay

Area light

Available

Canopy

Wall Pack

(Internal mounted)

Bluetooth

(External mounted)

Lighting Fixture
Highly efficient LED fixtures

Integrated Control
Bluetooth wireless control light fixtures

Intelligent Gateway
Store and transmit real-time fixtures usage data

Smart Phone
Remotely switch fixtures in a mobile APP

Features

- Remote control with one button to turn on the light.
- Able to switch up to 1,000 fixtures at the same time.
- Fixtures can be controlled individually or in groups as required.

- Real-time sync light group data over a wireless network.
- Adjustable light brightness in the smart phone application.
- Available to set schedules for lights to start automatically on time.