

LED Roadway Lighting

META Series

GigaTera®
beyond light

MT200 / MT180 / MT150 / MT130

Product Description

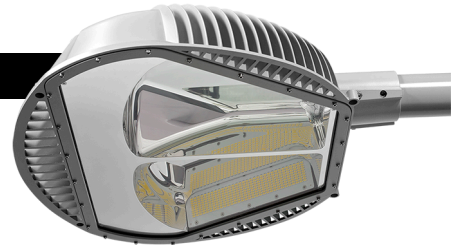
- High Luminous Efficacy 140 lm/W
- Excellent Light Distribution and Uniformity
- Silver Reflector with 97% Reflection Ratio
- Wireless Lighting Control
- Built-in 20kV Surge Protection Device

Application

- Expressway
- Highway
- Street

Certification

- UL / FCC / DLC
- CE
- PSE
- KC
- SABS
- TIS



META Series Specifications

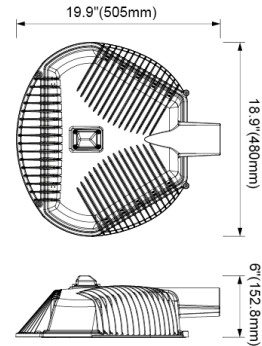
| Model Name | MT200 | MT180 | MT150 | MT130 |
|--------------------------|---|---|----------------------|-----------------------|
| Power Consumption | 200W | 180W | 150W | 130W |
| CCT | 5000K (5700K / 4000K / 3000K available) | | | |
| Luminous Flux * | 28,000 lm | 25,200 lm | 21,000 lm | 18,200 lm |
| Luminous Efficacy * | 140 lm/W | | | |
| CRI | 80 Ra | | | |
| LED Driving Current | 83.3 mA | | 72.7 mA | 72.2 mA |
| Light Distribution | Type III-S | | | |
| BUG Rating | B4 – UX – G4 | B4 – U0 – G4 | B3 – U0 – G3 | |
| Input Voltage | 100 ~ 277 Vac | 100 ~ 277 Vac (*UL) / 100 ~ 240 Vac (*Except UL) / 347 ~ 480 Vac | | |
| Input Current | Max. 2.5A (@100 Vac) | | Max. 1.9A (@100 Vac) | Max. 1.55A (@100 Vac) |
| Power Factor | ≥0.9 at Max load | | | |
| Frequency | 50 / 60 Hz | | | |
| Surge Protection | Line – Line 20kV, Line – FG 20kV | | | |
| Driver Type | Constant Current (CC) | | | |
| Fixture Manufacturer | GigaTera Lighting Inc. | | | |
| Size | 19.9 x 18.9 x 6 (inch) / 505 x 480 x 152.8 (mm) | | | |
| Weight (Driver included) | 17.4 lb / 7.9 kg | | | |
| Material | Body | Cast Aluminum | | |
| | Optic | Al Coating Reflector | | |
| | Cover | Tempered Glass 4.0T (Clear) | | |
| Finish | Powder Coating | | | |
| IP Rating | IK Rating | IP66 / IK08 | | |
| Operating Temperature | -30°C ~ 50°C | | | |
| Option | Control | Wireless (ZigBee) / Sensor (Daylight) | | |
| | Mounting | Horizontal Tenon Mount (*Mount Hole : Ø2.38 inch (Ø60.5 mm)) / Junction Box | | |
| Warranty | 5 Years (12 hours usage per day) | | | |

* Tolerance : ± 10%

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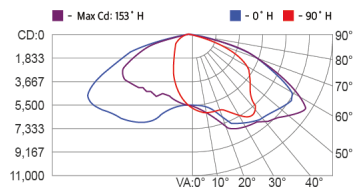
META Series (200W / 180W / 150W / 130W)



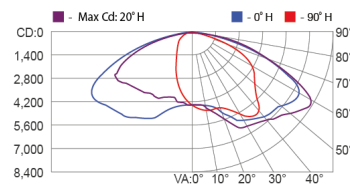
| | |
|-------------|------------------------|
| Size | 19.9 x 18.9 x 6 (inch) |
| | 505 x 480 x 152.8 (mm) |

Photometry Data

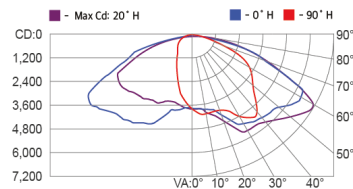
MT200,180 / 5000K / Type III-S



MT150 / 5000K / Type III-S



MT130 / 5000K / Type III-S



Control System (Optional)

| ZigBee | Wireless Control |
|-------------------------------|--------------------------------------|
| Input Voltage | 15 Vdc |
| Max. Power Consumption | 0.3W (@15 Vdc) |
| Standard | 2.4 GHz – IEEE 802.15.4 (Compatible) |
| Network | Mesh |
| RF Tx Power | Max. +8 dBm (Typ. 5 dBm) |
| Data Rate | 250 kbps |
| Security | 128 bit AES Encryption Algorithms |
| Dimmer | PWM |
| Antenna | Omni Type, 2 dBi |





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| Daylight Sensor | Smart Sensor Module |
|-------------------------------|---|
| Operating Voltage Range | 15 Vdc |
| Max. Power Consumption | 0.6W (@15 Vdc) |
| Detectable Illumination Range | 9.2 – 92 fc (Default : 64 fc) / 100 – 1,000 lx (Default : 700 lx) |
| LED Light BI-level Setting | 0 % to 30 % (Adjustable) / 10% (Default) |
| Output Signal | PWM |
| Weight | 0.33 lb / 150 g |

Mount Bracket Installation (Optional)

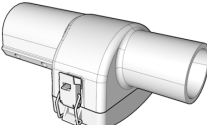
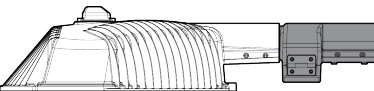
MT200 / 180 / 150 / 130

| KMDLMBK010180 | | KETBKTLA4BG1001 | |
|---|---|--|---|
|  | Pole Mounting Bracket (Junction Box type) |  | Pole Mounting Bracket (Junction Box type) |
| |  | |  |
| | | | Tilting Angle 5° |

KETBKTLA4BG1002

| | | | |
|---|---|--|--|
|  | Pole Mounting Bracket (Junction Box type) | | |
| |  | | |
| | Tilting Angle 10° | | |

MTL200 / 180 / 150 / 130

| Junction Box for UL | | | |
|---|---|--|--|
|  | *Supplied accessory for UL product | | |
| |  | | |

Ordering Information

Ordering Code Usage : MT150-B3S50NG1S

| | | | | | | | |
|----|--|--|-------------------|--|--|------------------|-----------------------|
| MT | OOO | O | OO | OO | O | OO | O |
| | Power Consumption | Input Voltage | Distribution Type | CCT(K) | Control System | Fixture Color | Surge Protector |
| | 180 = 180W 150 = 150W 130 = 130W | A = 100~277V B = 100~240V C = 347~480V | 3S = Type III-S | 57 = 5700K 50 = 5000K 40 = 4000K 30 = 3000K | G = Daylight Sensor + ZigBee Z = ZigBee N = None | G1 = Gray Powder | S = Surge N = None |