

MESTRON



#ThePoleMaker



EDITION
2022/2023

CATALOGUE

MESTRON



 MESTRON ENGINEERING Sdn Bhd



COMPANY PROFILE

Holding Company

Mestron Holdings Berhad

Reg No. 201801018716 (1280732-K)
Listed on Bursa Malaysia ACE Market
since 18 June 2019
Stock Code : 0207

Name of Company

Mestron Engineering Sdn Bhd

Reg No. 200201024307 (591970-X)

Address

PT 50102, Jalan MU 1/9, Seksyen 10,
Taman Perindustrian Meranti Utama,
47120 Puchong, Selangor Darul Ehsan,
Malaysia

Tel : +603 8069 1815
Fax : +603 8069 1805
Web : www.mestron.com.my
Email : info@mestron.com.my

Incorporation

10 September 2002

Paid-Up Capital

RM 2,500,000

Production Area

Approximate 300,000 Sqft

Production Capacity

Steel Fabrication Works
Up to 1000 Metric Tonnes per Month

Staff Force

150 Persons

Bankers

Public Bank Berhad
Hong Leong Bank Berhad

FINANCIAL HIGHLIGHTS



MARKET



MARKET

PRODUCT CERTIFICATION/ REGISTRATION

Mestron are known for its commitment to customer satisfaction through continuous product innovation and improvement. Our product quality are recognized and certified by various governing authorities.



SIRIM MALAYSIA
Licence No: PC004068



SIRIM MALAYSIA
Licence No: PM074101



**SENARAI BAHAN BINAAN
TEMPATAN (SBBT) IKRAM
(100) IQAS/CA/SB/09**



**LEMBAGA PEMBANGUNAN
INDUSTRI PEMBINAAN
MALAYSIA 1984
(012018518-SL012511)**



**SIJIL EMAL JABATAN KERJA
RAYA MALAYSIA
EEO22003/20/06/03**



**SIJIL PENGIKTIRAFAN
LOGO BUATAN MALAYSIA
KPDNHEP/2020/LBM/000493-25999**



**SIJIL AKUAN PENDAFTARAN
SYARIKAT
K10352516962825102**



**CERTIFICATE OF APPROVAL
ISO 9001: 2015
10207093**

PRODUCTION FACILITIES

- Production Facility Approximate 300,000 Square Feet
- Over 150 Production Workers
- Various Steel Working Machineries

**Steel Plate
Shearing Machine**



**Hydraulic Press Brake
Bending Machine**

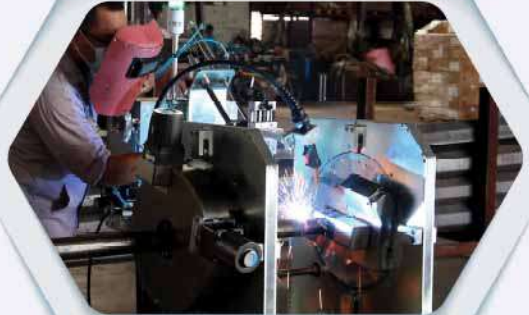


**CNC Steel Plate
Cutting Machine**



**Lazer-cut CNC
Machine**

Automation Spigot
Welding Machine



Automation Welding
Machine



Robotic Plasma Arc
Cutting Machine



Robotic Welding
Machine



Stamping Press
Machine

QUALITY ASSURANCE PROCESS

Various test performed by independent 3rd parties in tandem with Mestron's stringent quality assurance system.



PRODUCT TEST REPORT



MATERIAL TEST



TENSILE TEST REPORT



MECHANICAL TEST REPORT



ULTRASONIC TEST REPORT



WELDING TEST



WELDING REPORT



POWDER COATING
PROCEDURE



HOT DIP GALVANIZED TEST



FOUNDATION ANCHORAGE
BOLT TEST



MAGNETIC PARTICLE TEST



RADIOGRAPHIC INSPECTION
REPORT



ABOUT HOT-DIP GALVANIZING

Important Things To Know About Hot-Dip Galvanizing (HDG)



1. Coating Requirement .

Standard HDG items are here to the following coating thickness.

| Steel Thickness mm | Local Coating Thickness minimum μm | Average Coating Thickness minimum μm | Average Coating Mass minimum g/m^2 |
|--------------------|---|---|--|
| ≤ 1.5 | 35 | 45 | 320 |
| $> 1.5 \leq 3$ | 45 | 55 | 390 |
| $> 3 \leq 6$ | 55 | 70 | 500 |
| ≥ 6 | 70 | 85 | 600 |

2 . Protective life of HDG .

(a). Formation of Zinc Carbonate (Patina)



Figure 1 :

Figure 1

- (i) The zinc layer begins its development with exposure to oxygen in the atmosphere to form Zinc Oxide
- (ii) It then reacts with moisture in the atmosphere and forms Zinc Hydroxide.

(iii) A layer of tightly adherent, insoluble zinc patina is then developed after it was exposed to carbon dioxide in the atmosphere.

Note: The self-regenerating patina recovers itself by slowly consuming the zinc outer coating. Once the pure zinc of the outer layer is consumed, the iron-zinc alloy is exposed to the environment and its corrosion resistance is up to 30% greater, providing even longer life.

(b). Life Expectancy of HDG and its performance under various environments.

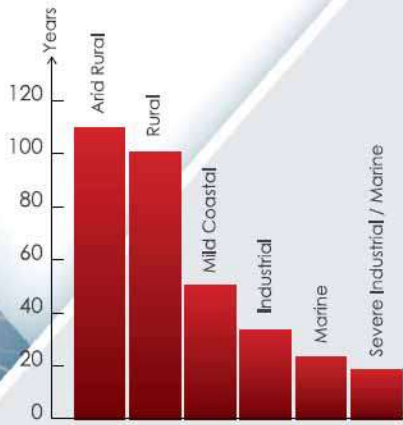


Figure 2
Figure 2: Anticipated life of 700g/m² (100µm) galvanized coatings in various environments (years)

| Environment | Description |
|----------------------------------|--|
| Arid Rural Area | • Characterized by a land that severe lack of available water. |
| Rural Area | • Countryside or a geographic area that is located outside towns and cities. |
| Mild Coastal Area | • A land near an ocean and influenced by the temperature of the oceans. |
| Industrial Area | • A land used for commercial establishments, manufacturing plants, public utilities, mining, etc. |
| Marine Area | • Area where the salty water are covers a large part of the surface, or a large area of salty water. |
| Severe Industrial/ Marine | • Extreme atmospheric conditions in both industrial and marine area. |

APPRECIATION FROM LOCAL AUTHORITIES

A testament of our customer satisfaction proven via recognition from multiple government agencies and non-government organization.



**JABATAN KERJA RAYA
KELANTAN**



**JABATAN KERJA RAYA
N. SEMBILAN**



**JABATAN KERJA RAYA
PAHANG**



**JABATAN KERJA RAYA
PULAU PINANG**



**PERSATUAN PENGILANG,
PEMBAKAL, KONTRACTOR,
INDUSTRI ELEKTRICAL,
MEKANIKAL DAN ICT MELAYU
DAN BUMIPUTERA
MALAYSIA (PERKEM)**



**JABATAN KERJA RAYA
TERENGGANU**



**JABATAN KERJA RAYA
PULAU PINANG**



**JABATAN KERJA RAYA
KELANTAN**



**JABATAN KERJA RAYA
KEDAH**



**JABATAN KERJA RAYA
N. SEMBILAN**



**KKM SULTAN AZLAN SHAH
PERAK**

APPRECIATION PLAQUE



**JABATAN PEMBANGUNAN
PERSEKUTUAN
KELANTAN**



**JABATAN KERJA RAYA
PULAU PINANG**



**JABATAN KERJA RAYA
PULAU PINANG**



**MASJID MERANTI,
PUCHONG
SELANGOR**



**JABATAN KERJA RAYA
NEGERI PAHANG**

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Project Photo Reference





Standard Lighting Pole_____



Standard Lighting Pole

Product List



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Short Arm Pole

Street Lighting Pole equipped with short spigot arm suited for wide range of application ranging from residential area to expressway. Special consideration is catered for ease of storage while facilitating maintenance works.

Option and Accessories

- 4M to 12M height
- Spigot arm Dia. 48/60mm
- Fiberglass Service Door
- Anti-Stick Paint
- Twin Flag Holder
- Retractable Banner Holder

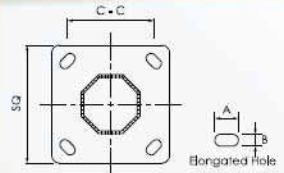
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Range Mounted Type

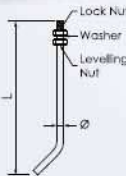


Base Flange Plate

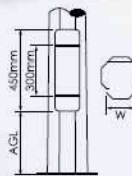


| (M) | Bottom | Top | SQ(mm) | C-C(mm) | AxB(mm) | THK(mm) |
|-----|--------|------|--------|---------|---------|---------|
| 4 | 4000 | - | 250 | 195 | 37x20 | 9 |
| 6 | 6000 | - | 300 | 220 | 45x26 | 12 |
| 8 | 8000 | - | 300 | 220 | 45x26 | 12 |
| 9 | 2050 | 7200 | 300 | 220 | 45x26 | 15 |
| 10 | 3050 | 7200 | 350 | 260 | 56x30 | 16 |
| 12 | 5050 | 7200 | 400 | 300 | 56x30 | 18 |

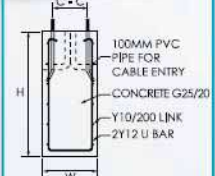
J-Bolt



Service Door

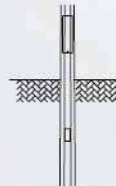


Footing Size

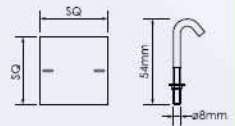


| (M) | ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|-------|-------|---------|
| 4 | 16 | 280 | 305 | 90 | 300 | 600 | 195 |
| 6 | 20 | 450 | 305 | 100 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 110 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 120 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 120 | 450 | 1100 | 260 |
| 12 | 24 | 570 | 610 | 120 | 500 | 1200 | 300 |

Planted Type

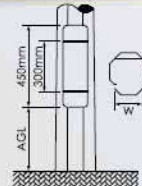


Anti-Sink Plate

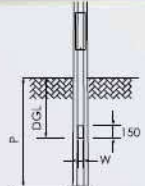


| (M) | Bottom | Top | SQ(mm) | THK(mm) |
|-----|--------|------|--------|---------|
| 4 | 4800 | - | 250 | 2.5 |
| 6 | 7200 | - | 300 | 2.5 |
| 8 | 2450 | 7200 | 300 | 2.5 |
| 9 | 3450 | 7200 | 300 | 2.5 |
| 10 | 4550 | 7200 | 350 | 2.5 |
| 12 | 6750 | 7200 | 350 | 2.5 |

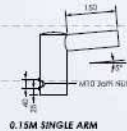
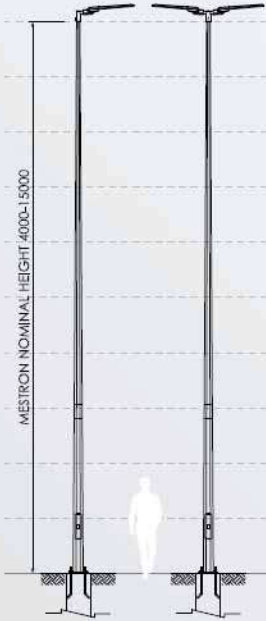
Service Door



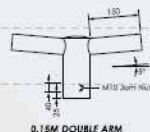
Planting Depth



| (M) | AGL(mm) | W(mm) | P(mm) | DGL(mm) | W(mm) |
|-----|---------|-------|-------|---------|-------|
| 4 | 305 | 90 | 800 | 500 | 50 |
| 6 | 305 | 100 | 1200 | 500 | 60 |
| 8 | 305 | 110 | 1300 | 500 | 60 |
| 9 | 610 | 120 | 1400 | 500 | 60 |
| 10 | 610 | 120 | 1500 | 500 | 60 |
| 12 | 610 | 120 | 1700 | 500 | 60 |

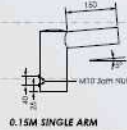


0.15M SINGLE ARM

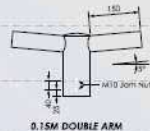


0.15M DOUBLE ARM

By default, all spigot arm supplied with Dia. 48mm. Upon special request for Dia. 33mm, 42mm, 60mm



0.15M SINGLE ARM



0.15M DOUBLE ARM

By default, all spigot arm supplied with Dia. 48mm. Upon special request for Dia. 33mm, 42mm, 60mm

Curved Arm Pole

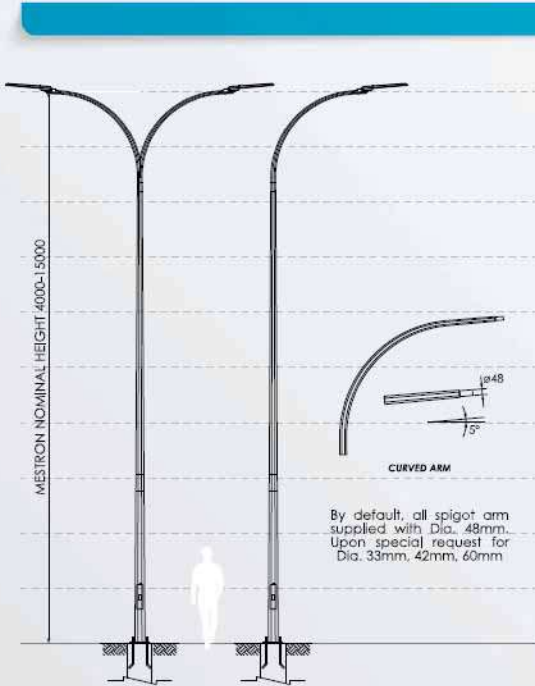
With a wider road in mind, Street Lighting Pole with curve arm is specially designed for a better coverage due to its extended reach. It is optimized for main road and expessway.

Option and Accessories

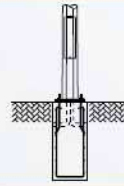
- 6M to 15 M height
- Curve Arm from 1.5M to 3.0M
- Spigot arm Dia. 48/60mm
- Fiberglass Service Door
- Anti-Stick Point
- Twin Flag Holder
- Retractable Banner Holder

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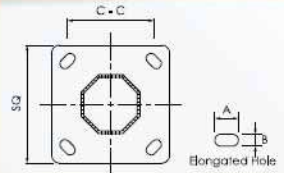




Range Mounted Type

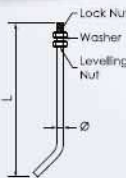


Base Flange Plate

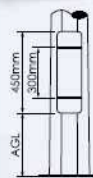


| (M) | Bottom | Top | SQ(mm) | C-C(mm) | Ax8(mm) | THK(mm) |
|-----|--------|------|--------|---------|---------|---------|
| 6 | 4350 | - | 300 | 220 | 45x26 | 12 |
| 8 | 6350 | - | 300 | 220 | 45x26 | 12 |
| 9 | 2050 | 5600 | 300 | 220 | 45x26 | 15 |
| 10 | 3050 | 5600 | 350 | 260 | 56x30 | 16 |
| 12 | 5050 | 5600 | 400 | 300 | 56x30 | 18 |

J-Bolt



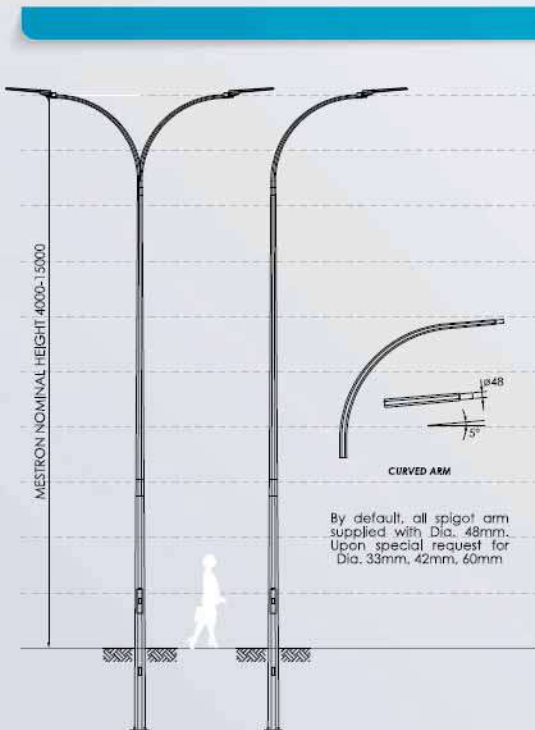
Service Door



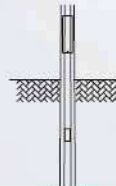
Footing Size



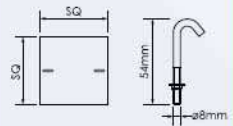
| (M) | Ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|-------|-------|---------|
| 6 | 20 | 450 | 305 | 100 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 110 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 120 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 120 | 450 | 1100 | 260 |
| 12 | 24 | 570 | 610 | 120 | 500 | 1200 | 300 |



Planted Type

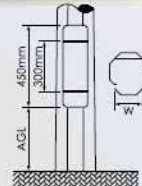


Anti-Sink Plate

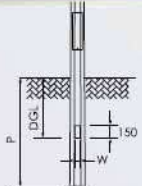


| (M) | Bottom | Top | SQ(mm) | THK(mm) |
|-----|--------|------|--------|---------|
| 6 | 5600 | - | 300 | 2.5 |
| 8 | 2450 | 5600 | 300 | 2.5 |
| 9 | 3450 | 5600 | 300 | 2.5 |
| 10 | 4550 | 5600 | 350 | 2.5 |
| 12 | 6750 | 5600 | 350 | 2.5 |

Service Door



Planting Depth



| (M) | AGL(mm) | W(mm) | P(mm) | DGL(mm) | W(mm) |
|-----|---------|-------|-------|---------|-------|
| 6 | 305 | 100 | 1200 | 500 | 60 |
| 8 | 305 | 110 | 1300 | 500 | 60 |
| 9 | 610 | 120 | 1400 | 500 | 60 |
| 10 | 610 | 120 | 1500 | 500 | 60 |
| 12 | 610 | 120 | 1700 | 500 | 60 |

Flood Lighting Pole

Flood Lighting Pole are known for its versatility in providing luminaire on a huge area with minimal effort.

It is typically used for open area such as carpark, playground, field, warehouse and many others. Various options of headframe design is available to suit floodlight of all size and quantity.

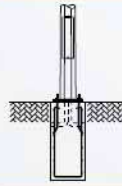
Option and Accessories

- 4M to 20M height
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Stick Paint
- UV Resistant Polyester Powder Coating for Aesthetic Finishing

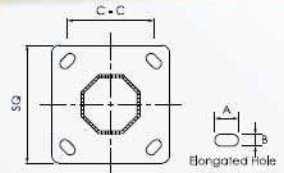
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Range Mounted Type

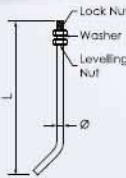


Base Flange Plate

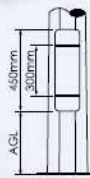


| (M) | Bottom | Top | SQ(mm) | C-C(mm) | Ax8(mm) | THK(mm) |
|-----|--------|------|--------|---------|---------|---------|
| 4 | 4000 | - | 250 | 195 | 37x20 | 9 |
| 6 | 6000 | - | 300 | 220 | 45x26 | 12 |
| 8 | 8000 | - | 300 | 220 | 45x26 | 12 |
| 9 | 2050 | 7200 | 300 | 220 | 45x26 | 15 |
| 10 | 3050 | 7200 | 350 | 260 | 56x30 | 16 |
| 12 | 5050 | 7200 | 400 | 300 | 56x30 | 18 |

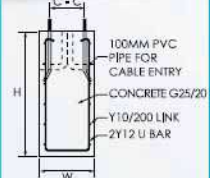
J-Bolt



Service Door

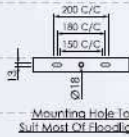


Footing Size

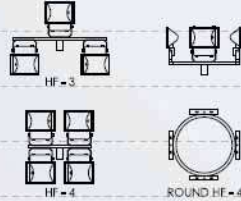
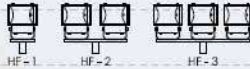


| (M) | Ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|-------|-------|---------|
| 4 | 16 | 280 | 305 | 90 | 300 | 600 | 195 |
| 6 | 20 | 450 | 305 | 100 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 110 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 120 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 120 | 450 | 1100 | 260 |
| 12 | 24 | 570 | 610 | 120 | 500 | 1200 | 300 |

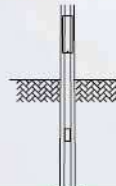
MESTRON NOMINAL HEIGHT 4000-20000



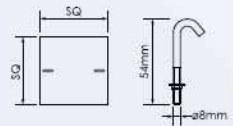
Mounting Hole To Suit Most Of Floodlight



Planted Type

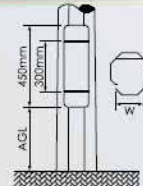


Anti-Sink Plate

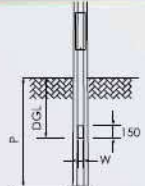


| (M) | Bottom | Top | SQ(mm) | THK(mm) |
|-----|--------|------|--------|---------|
| 4 | 4800 | - | 250 | 2.5 |
| 6 | 7200 | - | 300 | 2.5 |
| 8 | 2450 | 7200 | 300 | 2.5 |
| 9 | 3450 | 7200 | 300 | 2.5 |
| 10 | 4550 | 7200 | 350 | 2.5 |
| 12 | 6750 | 7200 | 350 | 2.5 |

Service Door

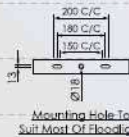


Planting Depth

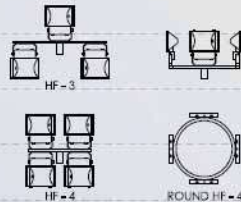
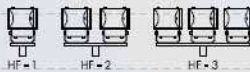


| (M) | AGL(mm) | W(mm) | P(mm) | DGL(mm) | W(mm) |
|-----|---------|-------|-------|---------|-------|
| 4 | 305 | 90 | 800 | 500 | 50 |
| 6 | 305 | 100 | 1200 | 500 | 60 |
| 8 | 305 | 110 | 1300 | 500 | 60 |
| 9 | 610 | 120 | 1400 | 500 | 60 |
| 10 | 610 | 120 | 1500 | 500 | 60 |
| 12 | 610 | 120 | 1700 | 500 | 60 |

MESTRON NOMINAL HEIGHT 4000-20000



Mounting Hole To Suit Most Of Floodlight



Climbing Rung Pole

Climbing Rung Pole is equipped with detachable climbing rung for ease of maintenance without the use of lifting equipments.

Similar to Standard Flood Lighting Pole, it has a wide range of application for area lighting such as carpark, playground, field, warehouse and etc. Customized lighting design with various options is available to suit floodlight of all size and quantity.

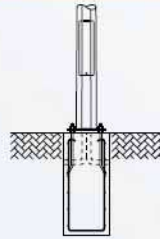
Option and Accessories

- 4M to 20M height
- Detachable / Weld-on Climbing bracket
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Slick Point
- UV Resistant Polyester Powder Coating for Aesthetic Finishing

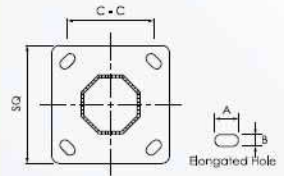
1. LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8I STRUCTURAL DESIGN SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. POLE DESIGN VALIDATED WITH TYPE TEST "DESIGN AND VERIFICATION", TESTING IN ACCORDANCE TO **BS EN 40-3-2 : 2013**
4. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / S5400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
5. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
6. PRODUCTS ARE TREATED WITH ANTI-CORROSIVE TREATMENT KNOWN AS HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**



Range Mounted Type

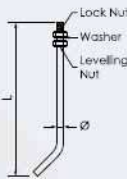


Base Flange Plate

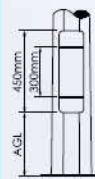


| (M) | Bottom | Top | SQ(mm) | C-C(mm) | Ax ϕ (mm) | THK(mm) |
|-----|--------|------|--------|---------|----------------|---------|
| 4 | 4000 | - | 250 | 195 | 37x20 | 9 |
| 6 | 6000 | - | 300 | 220 | 45x26 | 12 |
| 8 | 8000 | - | 300 | 220 | 45x26 | 12 |
| 9 | 2050 | 7200 | 300 | 220 | 45x26 | 15 |
| 10 | 3050 | 7200 | 350 | 260 | 56x30 | 16 |
| 12 | 5050 | 7200 | 400 | 300 | 56x30 | 18 |

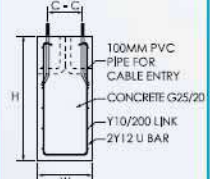
J-Bolt



Service Door



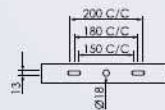
Footing Size



| (M) | ϕ (mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------------|-------|---------|-------|-------|-------|---------|
| 4 | 16 | 280 | 305 | 90 | 300 | 600 | 195 |
| 6 | 20 | 450 | 305 | 100 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 110 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 120 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 120 | 450 | 1100 | 260 |
| 12 | 24 | 570 | 610 | 120 | 500 | 1200 | 300 |

MIESTRON NOMINAL HEIGHT 4000-20000

Standard Head Frame - Light Duty



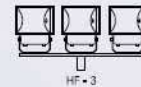
Mounting Hole To Suit Most Of Floodlight



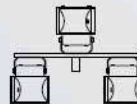
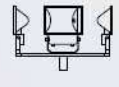
HF-1



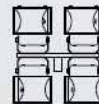
HF-2



HF-3



HF-3



HF-4



ROUND HF-4

Mid-Hinged Pole

Mid-Hinged Pole also known as Collapsible or See-Saw Pole, are designed for ease of maintenance especially under restricted condition.

The hinge mechanism enables top half of the pole to swing down for maintenance at ground level without needing the servicing personnel to climb up.

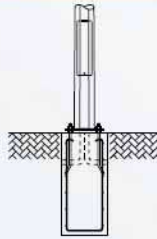
Option and Accessories

- 4M to 20M height
- Apron customized for weight balancing
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Slick Paint
- UV Resistant Polyester Powder Coating for Aesthetic Finishing

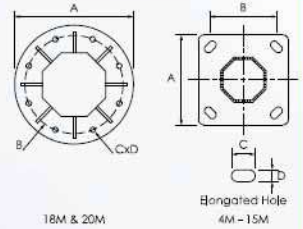
1. LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8I STRUCTURAL DESIGN SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
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Flange Mounted Type



Base Flange Plate

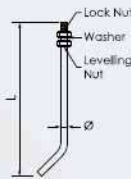


18M & 20M

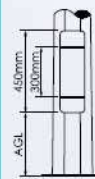
Hongated Hole
4M - 15M

| (M) | Top Load (KGS) | A(mm) | B(mm) | CxD(mm) | THK(mm) |
|-----|----------------|-------|-------|---------|---------|
| 4 | 10 | 250 | 195 | 37x20 | 9 |
| 6 | 15 | 300 | 220 | 45x26 | 12 |
| 8 | 15 | 300 | 220 | 45x26 | 15 |
| 9 | 20 | 300 | 220 | 45x26 | 15 |
| 10 | 20 | 350 | 260 | 52x30 | 16 |
| 12 | 20 | 400 | 300 | 52x30 | 18 |
| ~ | ~ | ~ | ~ | ~ | ~ |
| 15 | 60 | 550 | 400 | 73x39 | 25 |
| 18 | 80 | ø650 | ø500 | ø38 | 25 |
| 20 | 80 | ø750 | ø600 | ø38 | 38 |

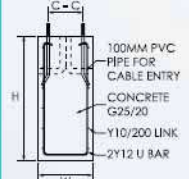
J-Bolt



Service Door

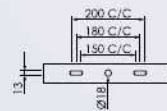


Footing Size



| (M) | ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|------------|-----------|---------|
| 4 | 16 | 280 | 305 | 120 | 300 | 600 | 195 |
| 6 | 20 | 450 | 305 | 120 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 120 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 140 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 140 | 450 | 1000 | 260 |
| 12 | 24 | 570 | 610 | 140 | 450 | 1200 | 300 |
| ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 15 | 33 | 840 | 610 | 160 | 600 | 1600 | 400 |
| 18 | 33 | 840 | 610 | 220 | 900(1800) | 1500(800) | ø600 |
| 20 | 33 | 840 | 610 | 230 | 1000(2000) | 1500(800) | ø700 |

Standard Head Frame - Light Duty



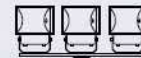
Mounting Hole To Suit
Most Of Floodlight



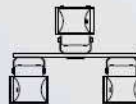
HF-1



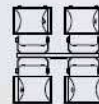
HF-2



HF-3



HF-3



HF-4



ROUND HF-4

MESTRON NOMINAL HEIGHT 4000-20000

Traffic Light Pole

Traffic Light Pole covers typical planted and flanged mounted type Traffic Light as well as Overhead Traffic Light poles with varying arm length.

It can also be fully customized into Joint Use Mast Arm (JUMA) that combines Traffic Light and Street Light Pole together.

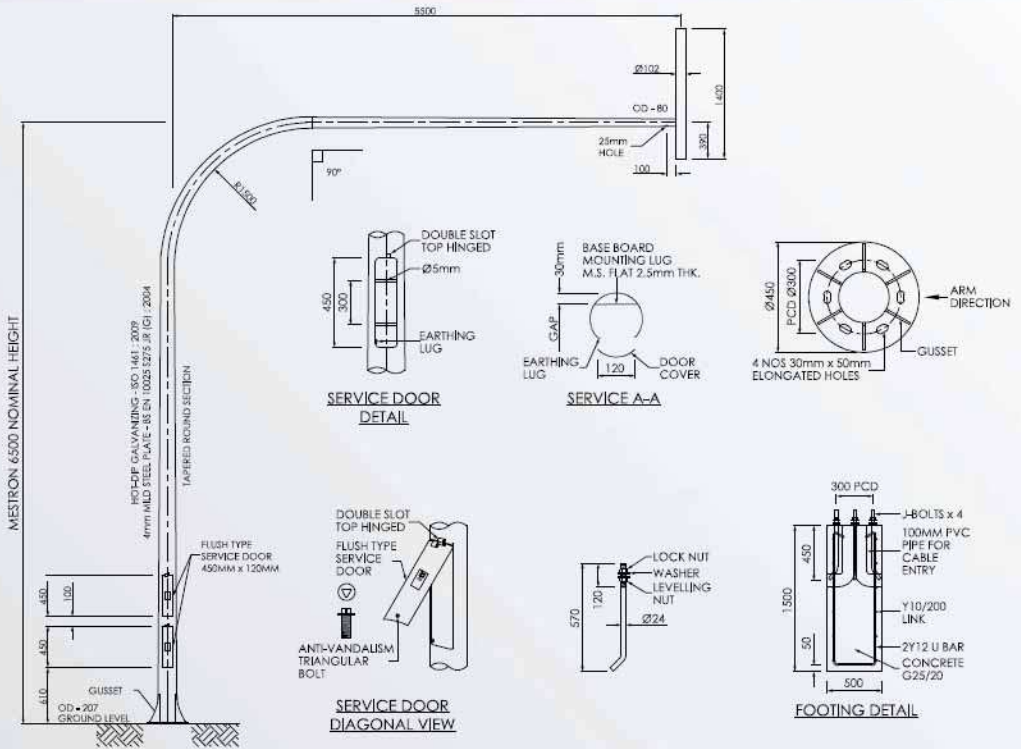
Option and Accessories

- Standard Traffic Pole 12 Feet
- Overhead Traffic Pole 6.5M Height 5.5M Extension Arm
- Bracket for Countdown Timer
- Planted or Flange Mounted Type
- Fiberglass Service Door

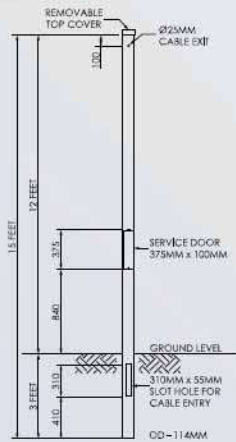
1. LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8I STRUCTURAL DESIGN SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. POLE DESIGN VALIDATED WITH TYPE TEST "DESIGN AND VERIFICATION", TESTING IN ACCORDANCE TO **BS EN 40-3-2 : 2013**
4. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / S5400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
5. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
6. PRODUCTS ARE TREATED WITH ANTI-CORROSIVE TREATMENT KNOWN AS HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**



Overhead Traffic Light Mast

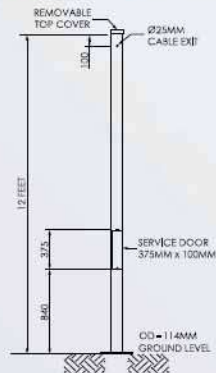


Traffic Light Pole - Planted Type

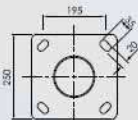


TUBULAR PLANTED TYPE

Traffic Light Pole - Flange Mounted Type



TUBULAR FLANGE TYPE



FLANGE PLATE 9MM THK



FOUNDATION BOLT



Specialty Lighting Pole _____



Specialty Lighting Pole

Product List



High Mast p17-18



Stadium Mast p19-20



Telecommunication Pole p21-22



Oil & Gas, Mining Pole p23-24



CCTV Pole p25-26



Solar Lighting Pole p27-28

High Mast Pole

High Mast is capable of lighting up large area efficiently at great heights.

It is design in such a way that Maintenance Carriage Ring is able to lower to ground level for ease of maintenance. Our custom locking mechanism designed that utilize gravitational force instead of springs and levers ensure flawless operation over time.

At the heart of High Mast, Mestron employs "Germany Made" winch driving motors as a testament of Mestron Quality System.

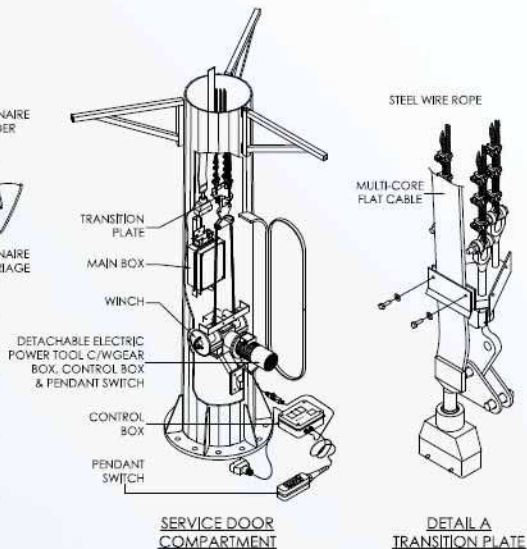
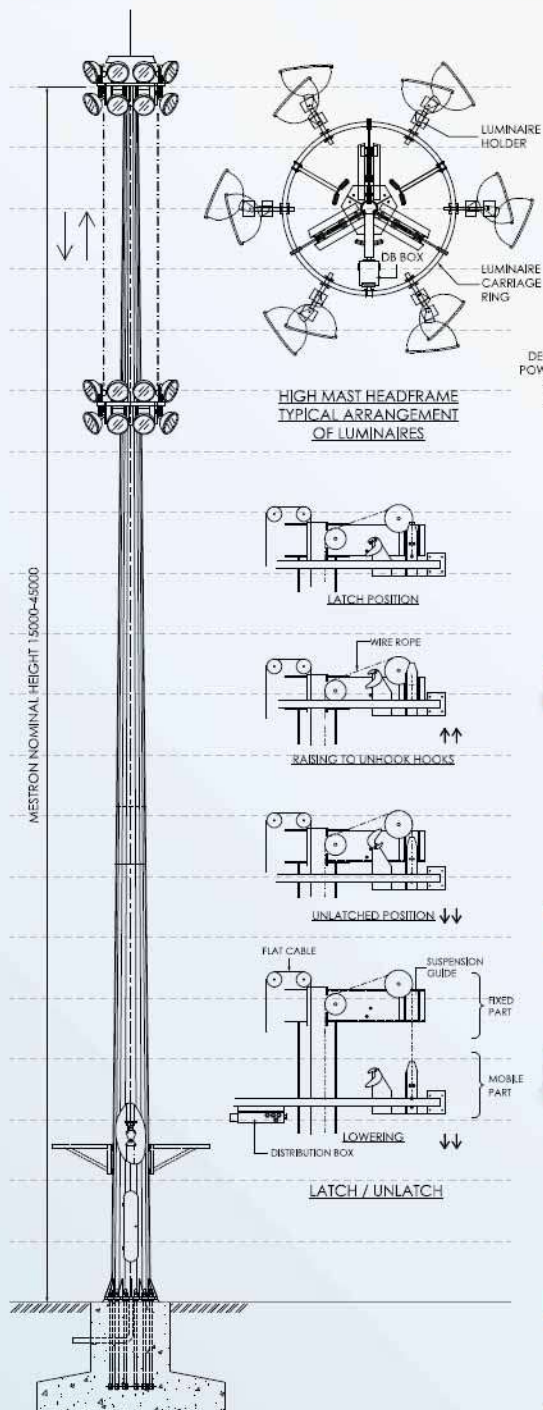
Option and Accessories

- 15M to 45M height
- Lifting capacity 500 kgs to 1000 kgs
- 12 core 2.5mm Electrical System
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment

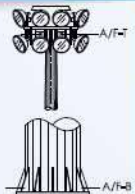


1. LIGHTING POLE COMPLY TO (ILP: 2013) HIGH MAST FOR LIGHTING AND CCTV (2013 EDITION) BY INSTITUTE OF LIGHTING PROFESSIONAL (ILP).
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN ANALYSED SOFTWARE TO WITHSTAND 35 M/S WIND-SPEED TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF 1.0
3. MATERIAL USED FOR LIGHTING POLE COMPLY TO BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / SS400 WITH MINIMUM YIELD AND TENSILE STRENGTH OF 275 MPa AND 430 MPa RESPECTIVELY
4. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER BS EN 1011-2 : 2001
5. PRODUCTS ARE PROTECTED WITH ANTI-CORROSIVE TREATMENT WITH HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO BS EN ISO 1461 : 2009

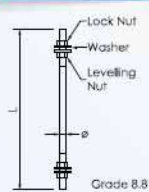
High Mast



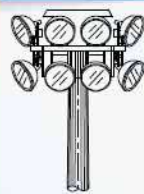
High Mast A/F



Anchor Bolt

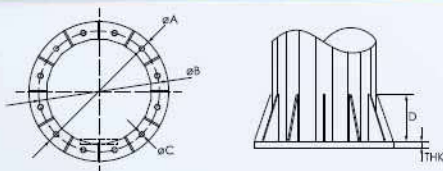


Luminaire & Ballast



| (M) | Top | Bottom | Nos | ø(mm) | L(mm) | Lifting Capacity | Projected Soil Area |
|-----|-----|--------|-----|-------|-------|------------------|---------------------|
| 20 | 315 | 605 | 8 | 33 | 1200 | 500kgs | 2.5m ² |
| 25 | 315 | 605 | 12 | 33 | 1200 | 500kgs | 2.5m ² |
| 30 | 315 | 738 | 12 | 33 | 1200 | 500kgs | 2.5m ² |
| 35 | 315 | 791 | 16 | 33 | 1200 | 500kgs | 2.5m ² |
| 40 | 315 | 864 | 16 | 39 | 1500 | 500kgs | 2.5m ² |
| 45 | 315 | 918 | 20 | 39 | 1500 | 500kgs | 2.5m ² |

Base Flange



| (M) | øA (mm) | øB (mm) | øC (mm) | øD (mm) | THK (mm) |
|-----|---------|---------|---------|---------|----------|
| 20 | 900 | 780 | 38 | 300 | 32 |
| 25 | 900 | 780 | 38 | 300 | 32 |
| 30 | 1150 | 980 | 38 | 300 | 38 |
| 35 | 1150 | 980 | 38 | 300 | 38 |
| 40 | 1350 | 1100 | 50 | 300 | 50 |
| 45 | 1450 | 1200 | 50 | 300 | 50 |

Stadium Mast Pole

Stadium Mast specialize in high concentration lighting to lights up large area efficiently at specific direction typically for sports arena.

Maintenance Hoisting Lift provide lifting from ground to platform level for periodic maintenance.

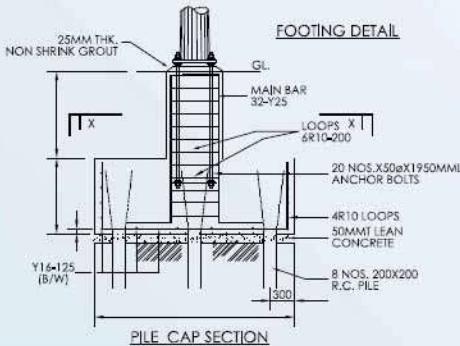
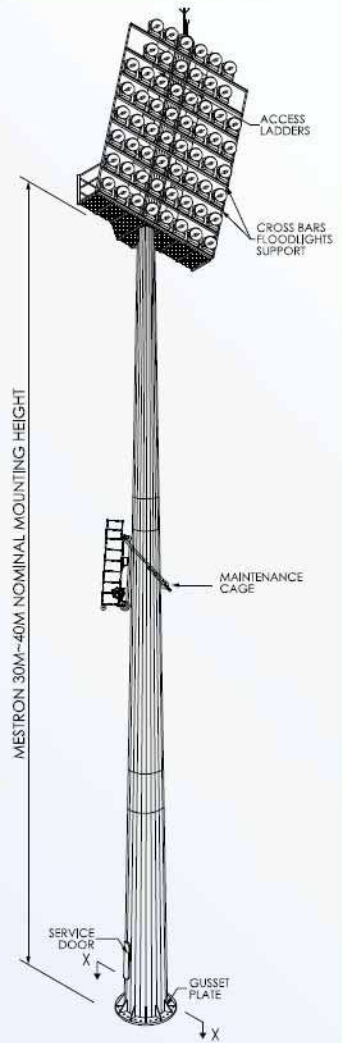
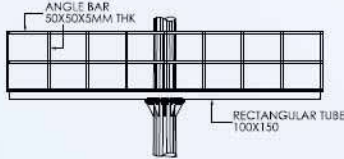
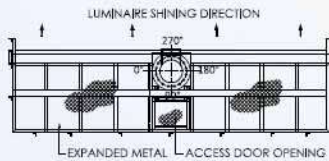
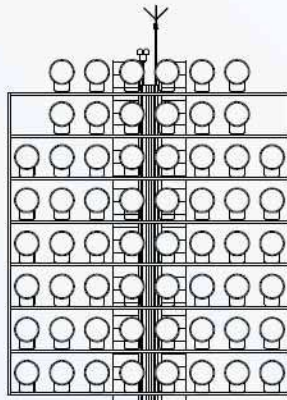
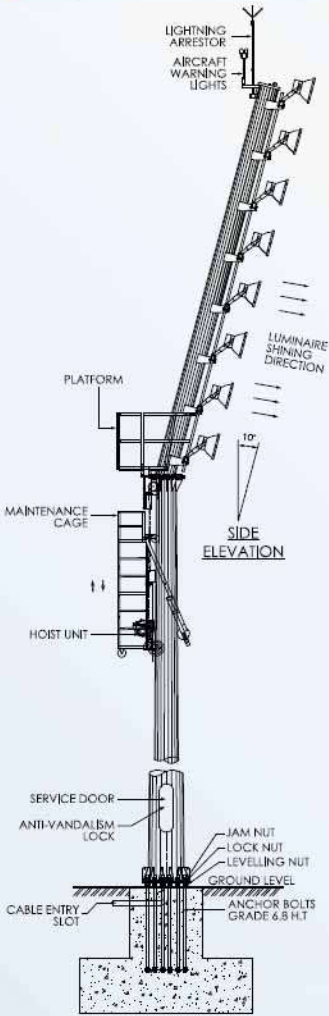
Option and Accessories

- 15M to 45M height
- Lifting capacity 200 kgs (2 workers and equipment)
- Option for climbing ladder
- Head-Frame to suit all types of fitting
- Brackets for additional attachment



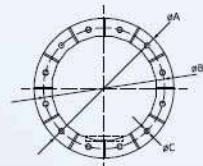
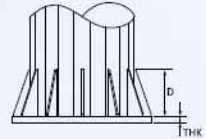
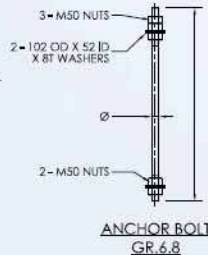
1. LIGHTING POLE COMPLY TO **(AASHTO: 2013)** THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS DULY CERTIFIED BY (SIRIM) STANDARD AND INDUSTRIAL RESEARCH INSTITUTE OF MALAYSIA
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN ANALYSED SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / SS400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
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Stadium Mast



IMPORTANT NOTICE:

FOOTING DETAIL ARE PROVIDED AS A GENERAL GUIDE ONLY. IT IS A RESPONSIBILITY OF THE CONTRACTOR TO SEEK PROFESSIONAL ENGINEER'S VERIFICATION AND ADVISE



Telecommunication Monopole

Telecommunication Monopole are customized to suit telecommunication equipments. It has a smaller footprint making it ideal for high density area with space constrain.

The Telecommunication Monopole commonly consists of a main pole shaft with optional working platform at the top to cater for the installation and maintenance of panel and dish antenna.

Option and Accessories

- Height from 5M - 45M
- Flange Joint or Telescopic Overlapping Joint
- Multiple level of Antenna and Micro Dish Mounting
- Maintenance Platform
- Caged and Secured Climbing Ladder
- Vertical Life Line with Safety Harness
- Custom Antenna & Microwave Dish Mounting Brackets

1. LIGHTING POLE COMPLY TO **(AASHTO: 2013)** THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS DULY CERTIFIED BY (SIRIM) STANDARD AND INDUSTRIAL RESEARCH INSTITUTE OF MALAYSIA
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN ANALYSED SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / SS400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
4. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
5. PRODUCTS ARE PROTECTED WITH ANTI-CORROSIVE TREATMENT WITH HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**



Telecommunication Monopole Type

Monopole Tower (Flange Joint)

with Maintenance Platform, Branches & Leaves



Monopole Tower (Flange Joint)

with Maintenance Platform



Monopole Tower (Telescopic Overlapping Joint)



3 Legged Lattice Tower



Oil & Gas, Mining Pole

Due to its remote location especially on offshore platforms, Oil & Gas and Mining industry requires high level customization for its lighting support structure.

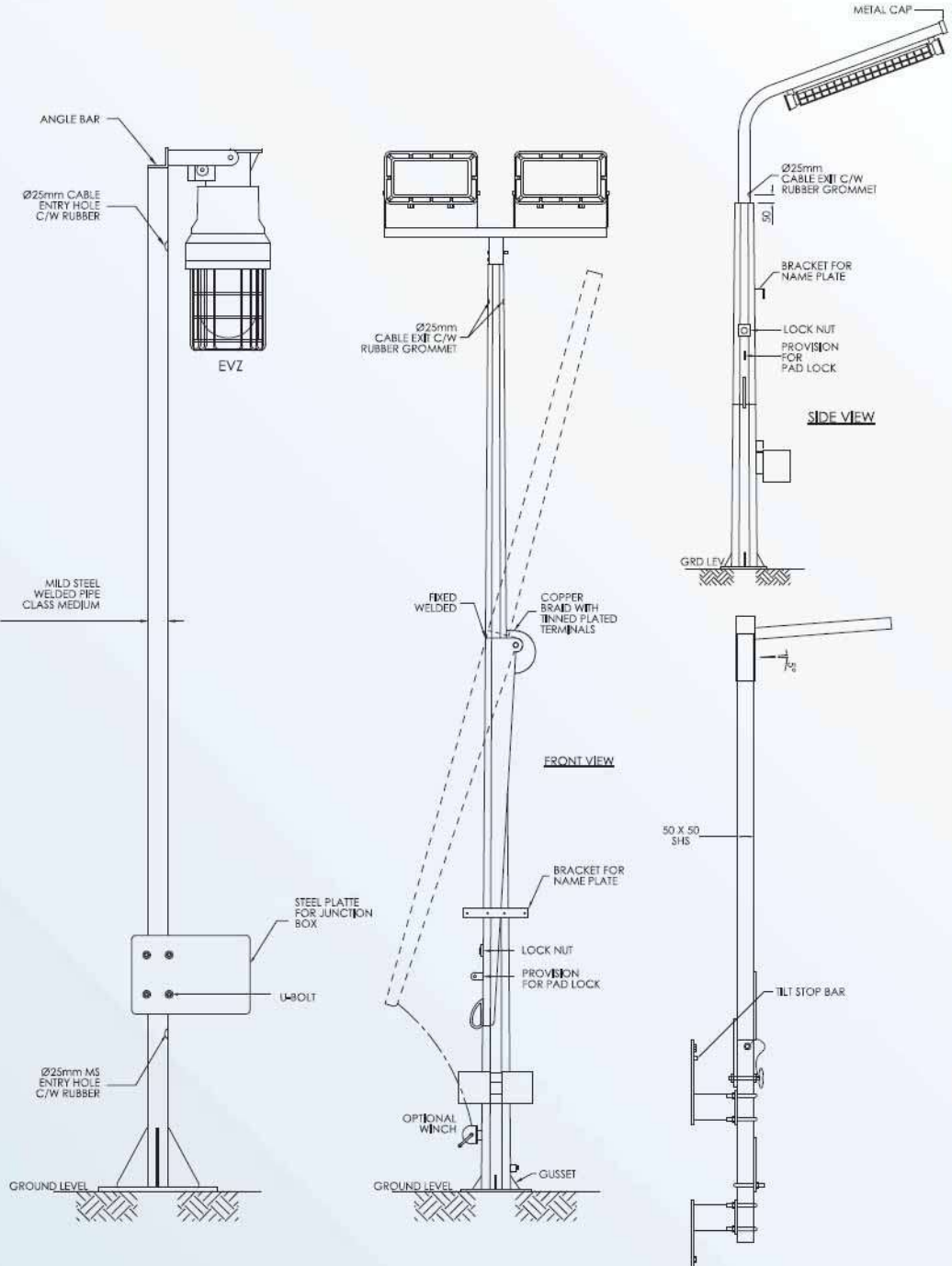
All poles are carefully designed to meet the stringent requirement of this industry.

Option and Accessories

- Height 1M to 30M
- Customized pole design
- Materials of various standard and grade
- Finishing in HDG, Sandblast and Powder Coating

1. LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
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3. POLE DESIGN VALIDATED WITH TYPE TEST "DESIGN AND VERIFICATION", TESTING IN ACCORDANCE TO **BS EN 40-3-2 : 2013**
4. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / S5400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
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6. PRODUCTS ARE TREATED WITH ANTI-CORROSIVE TREATMENT KNOWN AS HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**





Special Application Pole

Pole specially designed for CCTV surveillance & security monitoring application.

Special consideration is given to minimize deflection and vibration. Several option is available such as standard fixed type, climbing rung & mid-hinged collapsible

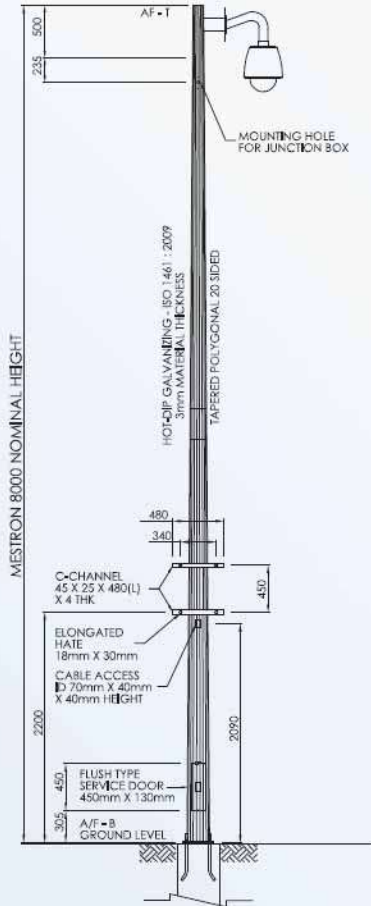
Option and Accessories

- Height up to 20M
- Customize bracket to suit Camera
- Polyester Powder Coating Finish
- Fiberglass Service Door
- Anti-Climb Device

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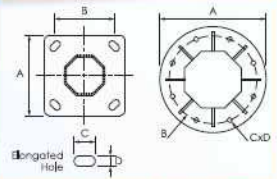
Special Application Pole



Base Flange Plate

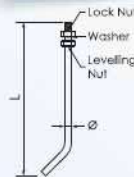


Deflection criteria based on 0.15 M2 soil area and 30 kgs top load. Maximum deflection at 2/3 serviceability wind speed design at 23.3 m/s.

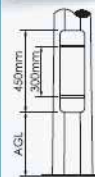


| (M) | A/F-T | A/F-B | Deflection | A(mm) | B(mm) | CxD(mm) | THK(mm) |
|-----|-------|-------|------------|-------|-------|---------|---------|
| 4 | 83 | 133 | 0.5 | 250 | 195 | 37x20 | 9 |
| 6 | 83 | 157 | 0.5 | 300 | 220 | 45x26 | 12 |
| 8 | 83 | 174 | 0.5 | 300 | 220 | 45x26 | 15 |
| 9 | 83 | 186 | 0.5 | 300 | 220 | 45x26 | 15 |
| 10 | 83 | 200 | 0.5 | 350 | 260 | 52x30 | 16 |
| 12 | 83 | 227 | 1.0 | 400 | 300 | 52x30 | 18 |
| 15 | 83 | 258 | 1.0 | 400 | 300 | 87x38 | 18 |
| 18 | 83 | 296 | 1.0 | 550 | 400 | 87x38 | 18 |
| 20 | 83 | 320 | 1.0 | 550 | 400 | 87x38 | 25 |
| - | - | - | - | - | - | - | - |
| 12 | 100 | 249 | 0.5 | 400 | 300 | 52x30 | 18 |
| 15 | 120 | 346 | 0.5 | 550 | 400 | 87x38 | 18 |
| 18 | 120 | 393 | 0.5 | ø600 | ø500 | ø38 | 25 |
| 20 | 120 | 420 | 0.5 | ø750 | ø600 | ø38 | 25 |

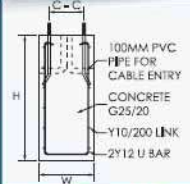
J-Bolt



Service Door

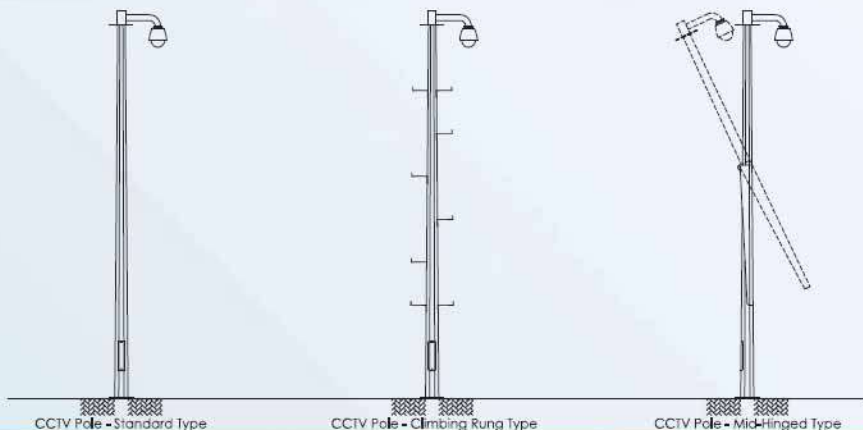


Footing Size



| (M) | ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|------------|-----------|---------|
| 4 | 16 | 280 | 305 | 120 | 300 | 800 | 195 |
| 6 | 20 | 450 | 305 | 120 | 350 | 900 | 220 |
| 8 | 20 | 450 | 305 | 120 | 400 | 1000 | 220 |
| 9 | 20 | 450 | 610 | 140 | 400 | 1000 | 220 |
| 10 | 24 | 570 | 610 | 140 | 450 | 1100 | 260 |
| 12 | 24 | 570 | 610 | 140 | 500 | 1200 | 300 |
| 15 | 33 | 840 | 610 | 160 | 600 | 1400 | 300 |
| 18 | 33 | 840 | 610 | 220 | 800(1800) | 1500(800) | 400 |
| 20 | 33 | 840 | 610 | 230 | 1000(2000) | 1500(800) | 400 |
| - | - | - | - | - | - | - | - |
| 12 | 24 | 570 | 610 | 140 | 500 | 1200 | 300 |
| 15 | 33 | 840 | 610 | 160 | 600 | 1400 | 400 |
| 18 | 33 | 840 | 610 | 220 | 800(1800) | 1500(800) | ø500 |
| 20 | 33 | 840 | 610 | 230 | 1000(2000) | 1500(800) | ø600 |

Special Application Pole - CCTV Pole Type



CCTV Pole - Standard Type

CCTV Pole - Climbing Rung Type

CCTV Pole - Mid-Hinged Type

Solar Lighting Pole

Solar Lighting Pole is designed to cater for additional loading of Photovoltaic (PV) panel on top.

The power generated by PV then be used for lighting, communication, transmission, charging and other purpose. Thus, it provides a self-sufficient solution for remote areas.

Option and Accessories

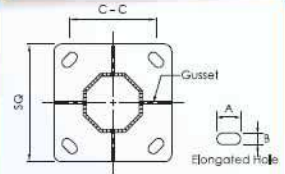
- Height from 4M - 12M
- Frame Support for Solar Panel
- Bracket for Junction / Battery Box
- Detachable Climbing Rung
- Polyester Powder Coating



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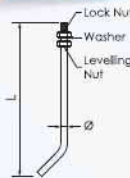
Solar Lighting Pole

Base Flange Plate

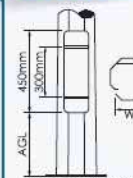


| (M) | A/F-T | A/F-B | SQ(mm) | C-C(mm) | AxB(mm) | THK(mm) |
|-----|-------|-------|--------|---------|---------|---------|
| 4 | 83 | 133 | 250 | 195 | 37x20 | 9 |
| 6 | 83 | 157 | 300 | 220 | 45x26 | 12 |
| 8 | 83 | 174 | 300 | 220 | 45x26 | 15 |
| 9 | 83 | 186 | 300 | 220 | 45x26 | 15 |
| 10 | 83 | 200 | 350 | 260 | 52x30 | 16 |
| 12 | 83 | 227 | 400 | 300 | 52x30 | 18 |

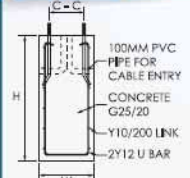
J-Bolt



Service Door

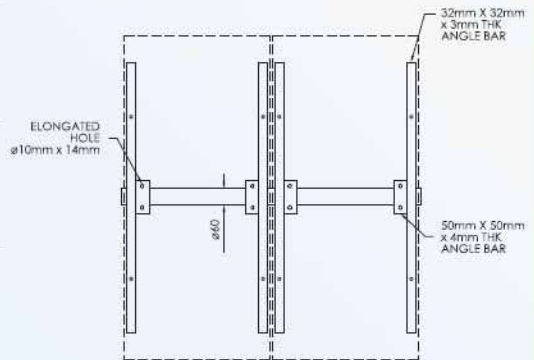


Roofing Size

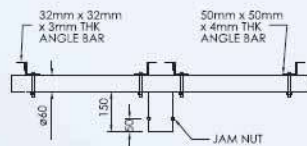


| (M) | ø(mm) | L(mm) | AGL(mm) | W(mm) | W(mm) | H(mm) | C-C(mm) |
|-----|-------|-------|---------|-------|-------|-------|---------|
| 4 | 16 | 280 | 305 | 120 | 300 | 800 | 195 |
| 6 | 20 | 450 | 305 | 120 | 400 | 1000 | 220 |
| 8 | 20 | 450 | 305 | 120 | 400 | 1300 | 220 |
| 9 | 20 | 450 | 610 | 140 | 400 | 1300 | 220 |
| 10 | 24 | 570 | 610 | 140 | 450 | 1300 | 260 |
| 12 | 24 | 570 | 610 | 140 | 500 | 1500 | 300 |

Panel for PV Solar Plate



PANEL DETAIL PLAN VIEW



PANEL DETAIL FRONT VIEW

MESTRON NOMINAL HEIGHT: 4000-12000

WITHOUT SERVICE DOOR



Compound Lighting



Compound Lighting

Product List



MES CL-1001 Basilis L06G **p31**



MES CL-1002 Callista L05G **p32**



MES CL-1003 Elora L06Y **p33**



MES CL-1004 Candida Globe **p34**



MES CL-1005 Maisie AG1 **p35**



MES CL-1006 Veronica Laca **p36**



MES CL-1007 Lasso L07B **p37**



MES CL-1008 Viento L07C **p38**



MES CL-1009 Venezia AG6 **p39**



MES CL-1010 Carissa CL **p40**



MES CL-1011 Milano AG4 **p41**

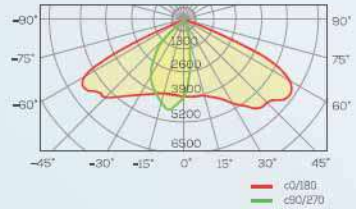


MES CL-1012 Strawberry AG5 **p42**



| | |
|----------------------------|--------------------------|
| Product Code | MES CL-1001 Basilia L06G |
| Wattage | 60W |
| Total Lumen | around 6300 LM |
| Chip Brand | CREE/OSRAM |
| Driver Brand | MW/Inventronics |
| Power Factor | >0,9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 6 kg |
| Installation Spigot | 76 mm |

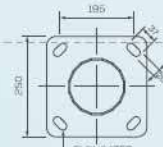
- Remark :
1. Driver is dimmable (1-10V) or non-dimmable optional
 2. Total Lumen is according to project's requirements
 3. All dimensions are in millimeter(MM) unless stated



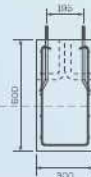
MESTRON NOMINAL HEIGHT 3.5M

HOOP GALVANIZED & POLYESTER POWDER COATED

TAPERED ROUND SECTION



Flange Plate



Concrete Footing



J-Bolt

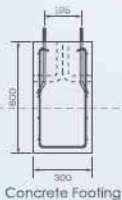
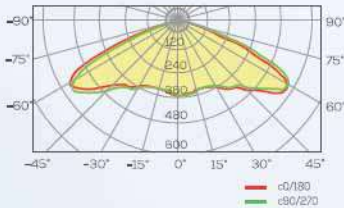
MES CL-1002 Callysta L05G



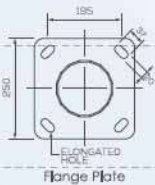
| | |
|----------------------------|---------------------------|
| Product Code | MES CL-1002 Callysta L05G |
| Wattage | 60W |
| Total Lumen | 6300 LM |
| Chip Brand | CREE/OSRAM |
| Driver Brand | MW/Inventronics |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 11 kg |
| Installation Spigot | 60 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated



Concrete Footing



Flange Plate



J-Bolt

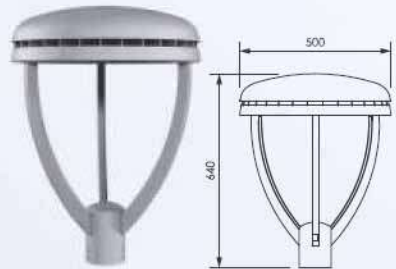
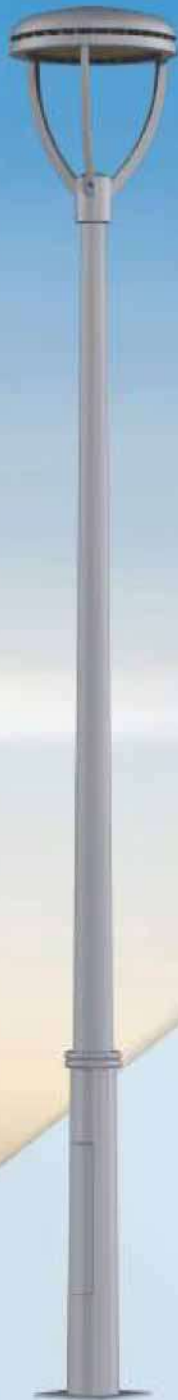


TAPERED ROUND SECTION

NON-PAVEMENT & POLYESTER POWDER COATED

TAPERED POLYCONICAL 16mm

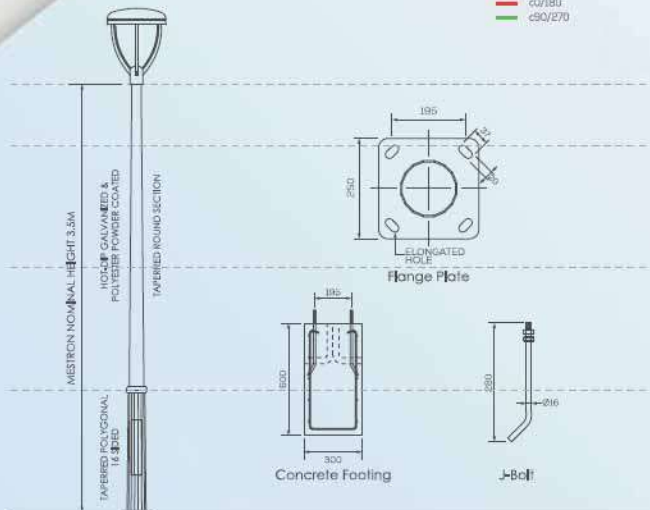
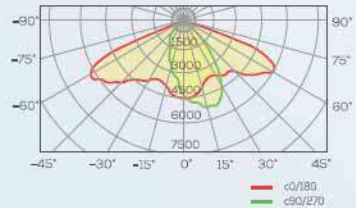
MERTON NORMAL HEIGHT 3.8M



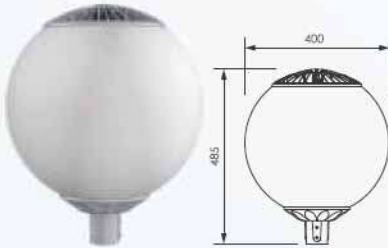
| | |
|----------------------------|------------------------|
| Product Code | MES CL-1003 Elora L06Y |
| Wattage | 60W |
| Total Lumen | around 6300 LM |
| Chip Brand | CREE/OSRAM |
| Driver Brand | MW/Inventronics |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 9.7 kg |
| Installation Spigot | 76 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated



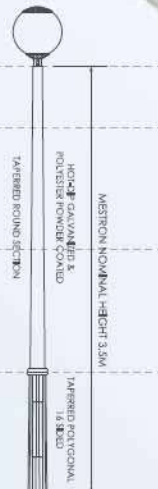
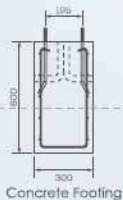
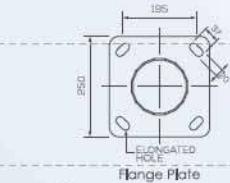
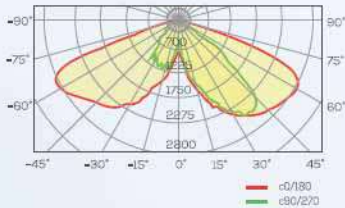
MES CL-1004 Candida Globe

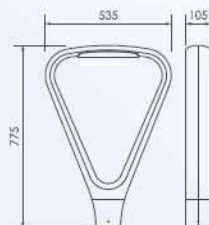


| | |
|----------------------------|---------------------------|
| Product Code | MES CL-1004 Candida Globe |
| Wattage | 30W |
| Total Lumen | 3240 LM |
| Chip Brand | PHILIPS |
| Driver Brand | MW/Inventronics |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >80 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 4.2 kg |
| Installation Spigot | 60 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated

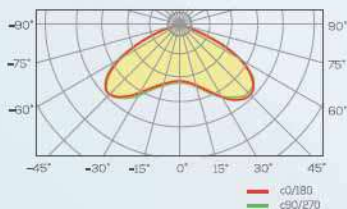




| | |
|----------------------------|---------------------------|
| Product Code | MES CL-1005 Molise AG1 |
| Wattage | 60W 80W |
| Total Lumen | 6600-7200lm 8800-9600lm |
| Chip Brand | CREE/OSRAM/PHILIPS |
| Driver Brand | MW/Inventronics |
| Power Factor | 150x150° |
| Voltage Range | 180V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 13.5 kg |
| Installation Spigot | 60/76 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated

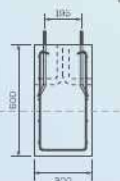
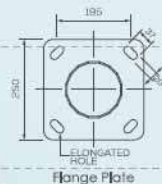


MESTRON NOMINAL HEIGHT 3.5M

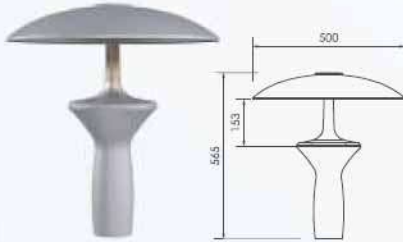
HOOP GALVANIZED & POLYESTER POWDER COATED

TAPERED ROUND SECTION

TAPERED POLYCOVAL 14.3/20



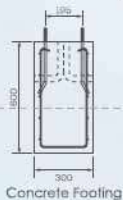
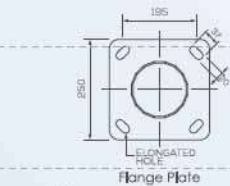
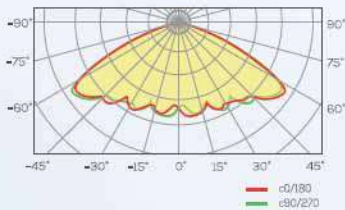
MES CL-1006 Veronica Loca



| | |
|----------------------------|---------------------------|
| Product Code | MES CL-1006 Veronica Loca |
| Wattage | 30W 60W |
| Total Lumen | 1480-1550lm 3020-3170lm |
| Chip Brand | High Power LED |
| Driver Brand | 150x150° |
| Power Factor | >0.9 |
| Voltage Range | 180V-270V |
| Insulation Class | Class 1 |
| CCT | 3000/4000/5700K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP66 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 5.7 5.9 kg |
| Installation Spigot | 89 mm |

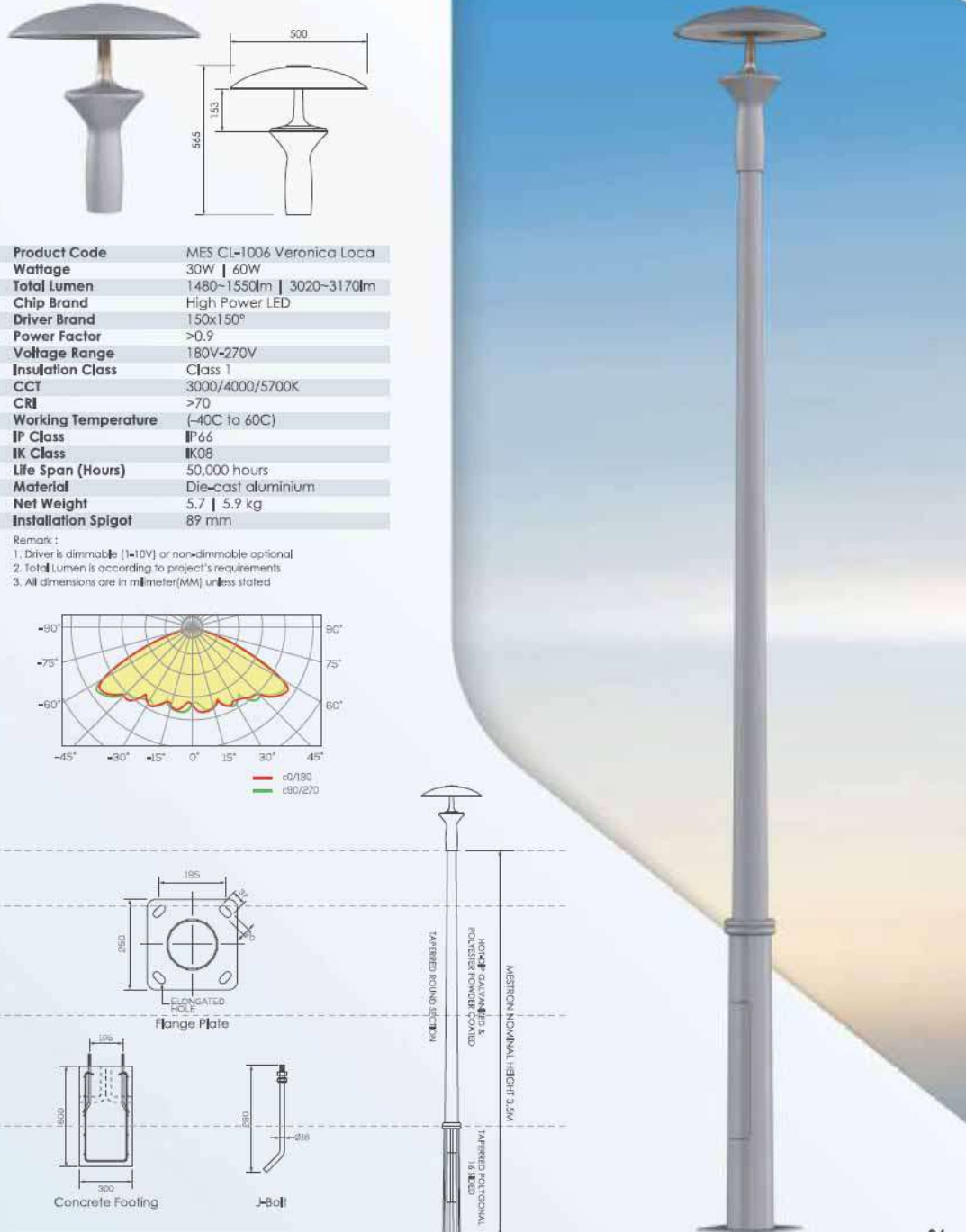
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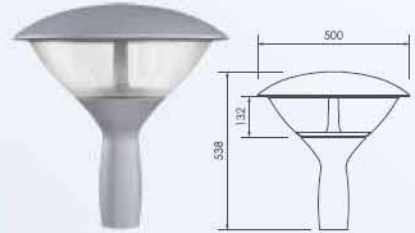
1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated



MERTON NORMAL HEIGHT 3.8M

NON-PAVEMENT & POLYESTER POWDER COATED

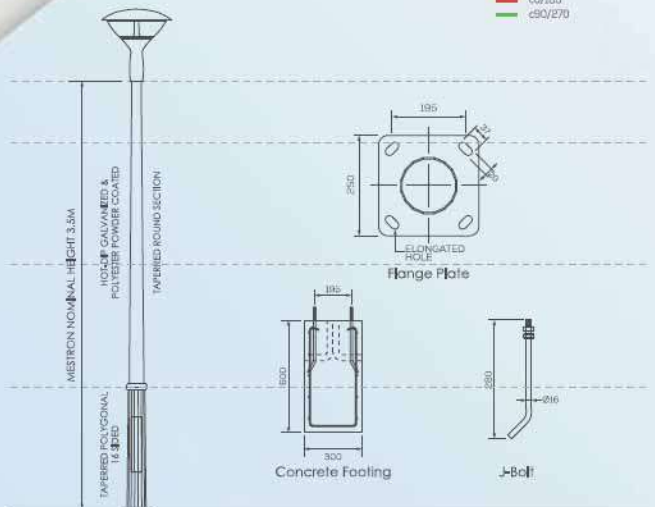
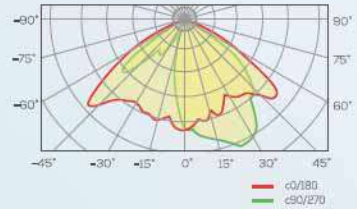




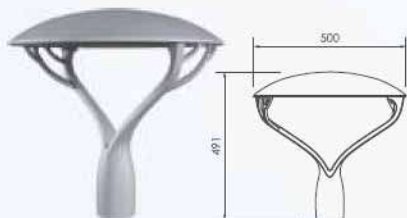
| | |
|----------------------------|-----------------------------|
| Product Code | MES CL-1007 Lasso L07B |
| Wattage | 30W 60W 90W |
| Total Lumen | >2320lm >4620lm >7390lm |
| Chip Brand | High Power LED |
| Driver Brand | 120x120° |
| Power Factor | >0.9 |
| Voltage Range | 180V-270V |
| Insulation Class | Class 1 |
| CCT | 3000/4000/5700K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP66 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 5.7 5.9 7.1 kg |
| Installation Spigot | 89 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated



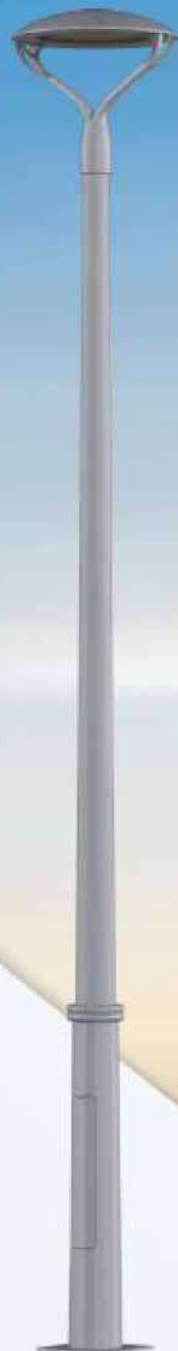
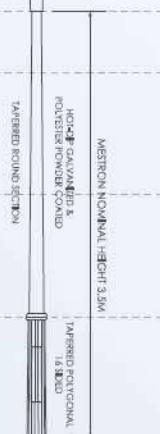
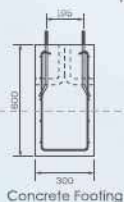
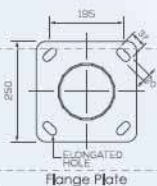
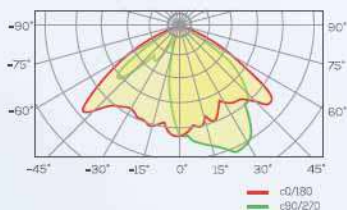
MES CL-1008 Viento L07C

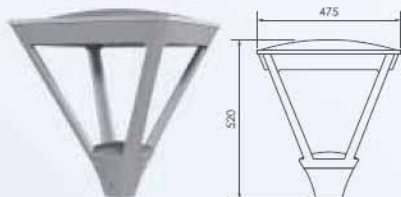
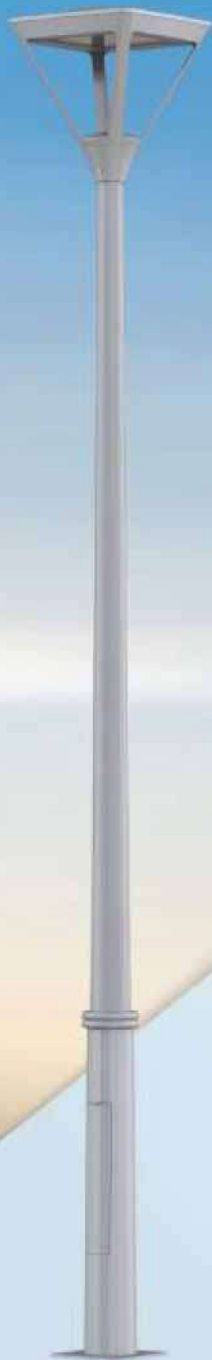


| | |
|----------------------------|-----------------------------|
| Product Code | MES CL-1008 Viento L07C |
| Wattage | 30W 60W 90W |
| Total Lumen | >2450lm >4950lm >7430lm |
| Chip Brand | High Power LED |
| Driver Brand | 120x120° |
| Power Factor | >0.9 |
| Voltage Range | 180V-270V |
| Insulation Class | Class 1 |
| CCT | 3000/4000/5700K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP66 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 6.3 6.6 6.8 kg |
| Installation Spigot | 89 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated

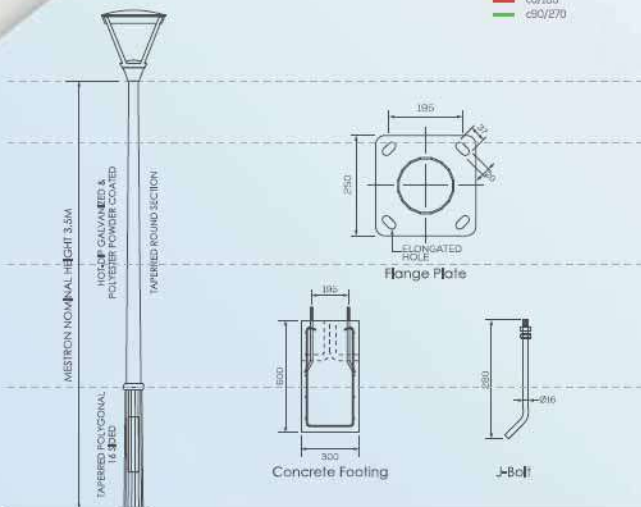
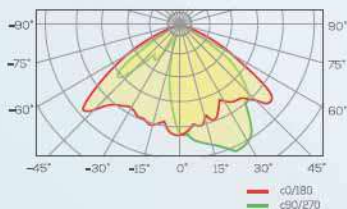




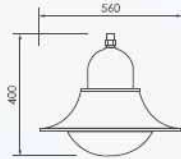
| | |
|----------------------------|-------------------------|
| Product Code | MES CL-1009 Venezia AG6 |
| Wattage | 30W 60W |
| Total Lumen | 3144lm 6324lm |
| Chip Brand | High Power LED |
| Driver Brand | 120x120° |
| Power Factor | >0.9 |
| Voltage Range | 180V-270V |
| Insulation Class | Class 1 |
| CCT | 3000/4000/5700K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP66 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 13.0 13.5 kg |
| Installation Spigot | 60/76 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated



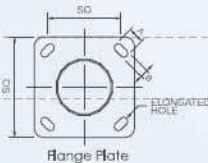
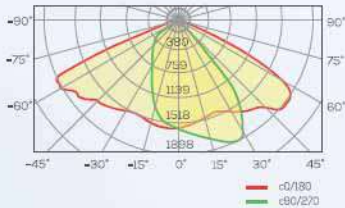
MES CL-1010 Carissa CL



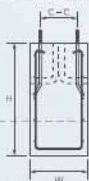
| | |
|----------------------------|------------------------|
| Product Code | MES CL-1010 Carissa CL |
| Wattage | 30W 60W 90W |
| Total Lumen | ≥105lm/W |
| Chip Brand | OSRAM/PHILIPS |
| Driver Brand | MW/Inventronics |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 7.5 kg |
| Installation Spigot | 32 mm |

Remark :

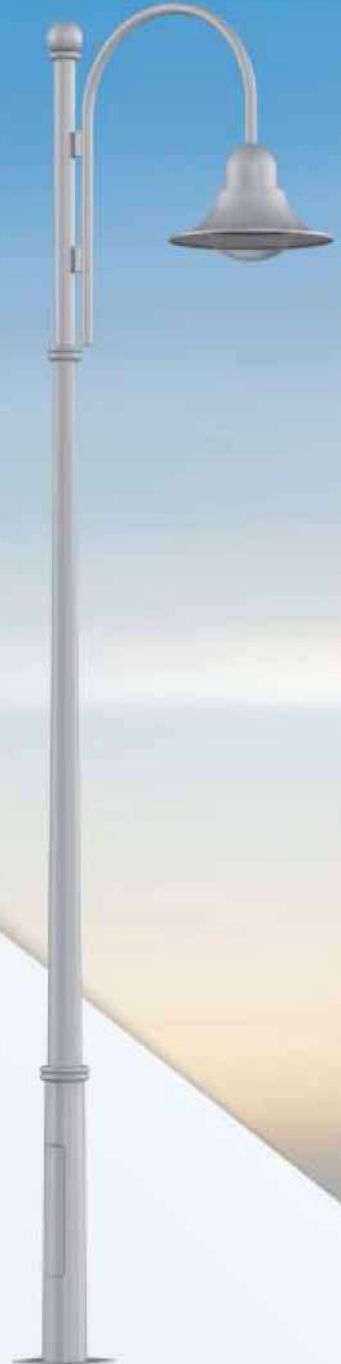
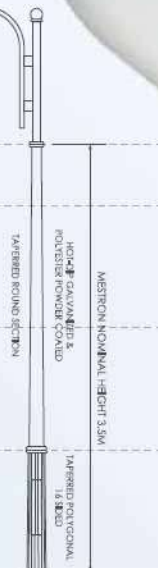
1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated

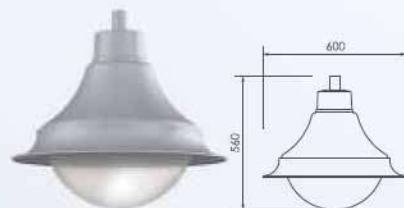
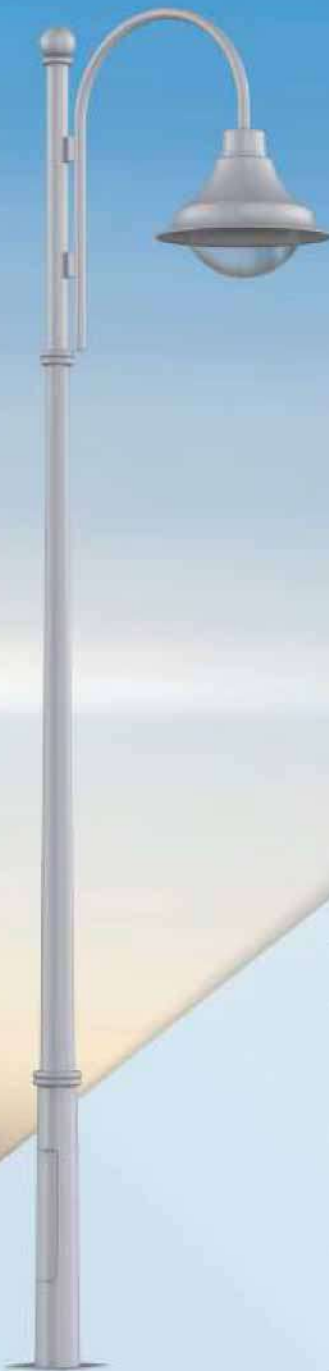


| Pole (M) | SQ | C - C | AxB | THK |
|----------|-----|-------|-------|-----|
| 4.5 | 250 | 195 | 37x20 | 9 |
| 6 | 300 | 220 | 45x26 | 12 |



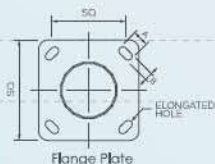
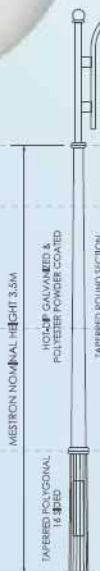
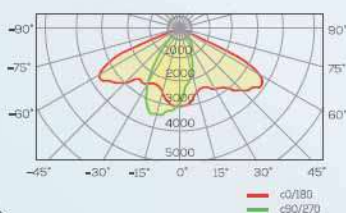
| Pole (M) | W | H | CcC | φ | L |
|----------|-----|-----|-----|----|-----|
| 4.5 | 300 | 600 | 195 | 16 | 280 |
| 6 | 350 | 900 | 220 | 20 | 450 |



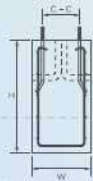


| | |
|----------------------------|------------------------|
| Product Code | MES CL-1011 Milano AG4 |
| Wattage | 30W 60W 90W |
| Total Lumen | 90-110lm/W |
| Chip Brand | OSRAM/PHILIPS |
| Driver Brand | MW/Inventronic |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000/4000/5700K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 12.0 12.5 13.0 kg |
| Installation Spigot | 32 mm |

- Remark :
1. Driver is dimmable (1-10V) or non-dimmable optional
 2. Total Lumen is according to project's requirements
 3. All dimensions are in millimeter(MM) unless stated



| Pole (M) | 50 | C - C | AxB | THK |
|----------|-----|-------|-------|-----|
| 4.5 | 250 | 195 | 37x20 | 9 |
| 6 | 300 | 220 | 45x26 | 12 |



| Pole (M) | W | H | C-C | Ø | L |
|----------|-----|-----|-----|----|-----|
| 4.5 | 300 | 600 | 195 | 16 | 280 |
| 6 | 350 | 700 | 220 | 20 | 450 |

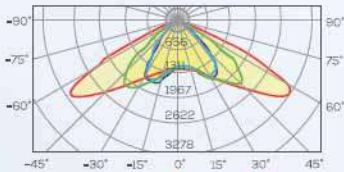
MES CL-1012 Strawberry AG5



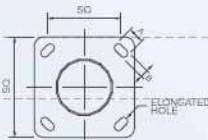
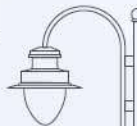
| | |
|----------------------------|----------------------------|
| Product Code | MES CL-1012 Strawberry AG5 |
| Wattage | 30W 60W 90W |
| Total Lumen | 90-110lm/W |
| Chip Brand | OSRAM/PHILIPS |
| Driver Brand | MW/Inventronics |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| IK Class | IK08 |
| Life Span (Hours) | 50,000 hours |
| Material | Die-cast aluminium |
| Net Weight | 12.0 kg |
| Installation Spigot | 32 mm |

Remark :

1. Driver is dimmable (1-10V) or non-dimmable optional
2. Total Lumen is according to project's requirements
3. All dimensions are in millimeter(MM) unless stated

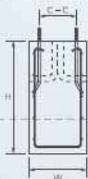


■ c0/180 ■ c60/240
■ c30/210 ■ c90/270



Flange Plate

| Pole (M) | SQ | C - C | AxB | THK |
|----------|-----|-------|-------|-----|
| 4.5 | 250 | 195 | 37x20 | 9 |
| 6 | 300 | 220 | 45x26 | 12 |



Concrete Footing



J-Bolt

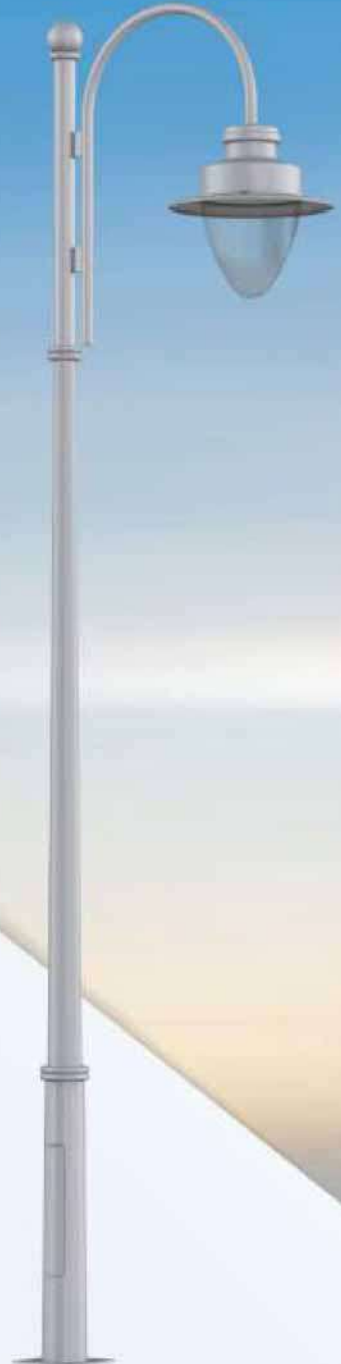
| Pole (M) | W | H | CxC | ø | L |
|----------|-----|-----|-----|----|-----|
| 4.5 | 300 | 600 | 195 | 16 | 280 |
| 6 | 350 | 900 | 220 | 20 | 450 |

TAPERED ROUND SECTION

NON-FLUOROPOLYMER & POLYESTER POWDER COATED

MINIMUM NOMINAL HEIGHT 3.8M

TAPERED POLYCONICAL
1.6-18x20





Bollard Lighting



Bollard Lighting

Product List



MES BL-1001 p45



MES BL-1002 p45



MES BL-1003 p46



MES BL-1004 p46



MES BL-1005 p47



MES BL-1006 p47



MES BL-1007 p48



MES BL-1008 p48



MES BL-1009 p49



MES BL-1010 p49



MES BL-1011 p50



MES BL-1012 p50



MES BL-1013 p51



MES BL-1014 p51



MES BL-1015 p52



MES BL-1016 p52



MES BL-1017 p53



MES BL-1018 p53



MES BL-1019 p54



MES BL-1020 p54



MES BL-1021 p55



MES BL-1022 p55



MES BL-1023 p56



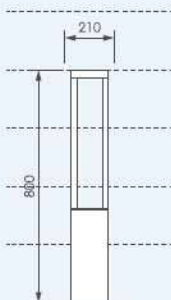
MES BL-1024 p56



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1001 |
| Wattage | 12W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



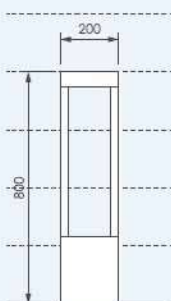
MES BL-1001



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1002 |
| Wattage | 12W 24W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



MES BL-1002



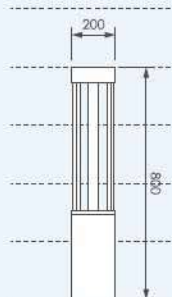
MES BL-1003



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1003 |
| Wattage | 12W 24W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



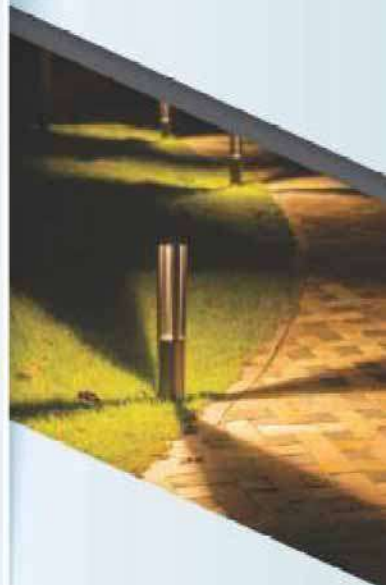
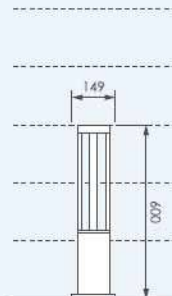
MES BL-1004



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1004 |
| Wattage | 7W 10W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |

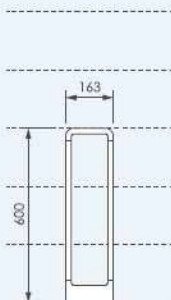




Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|--------------------|
| Product Code | MES BL-1005 |
| Wattage | 7W 10W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



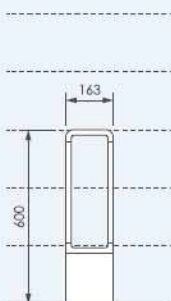
MES BL-1005



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|--------------------|
| Product Code | MES BL-1006 |
| Wattage | 12W 24W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



MES BL-1006



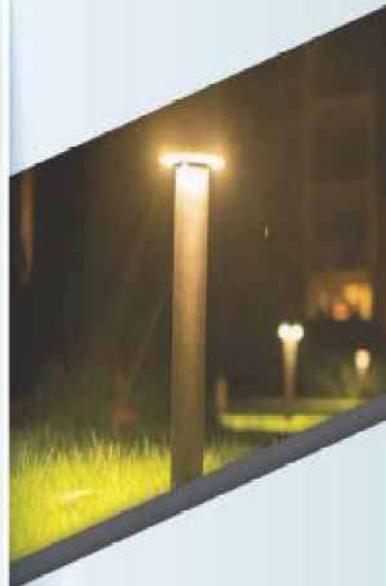
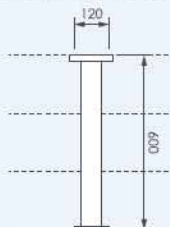
MES BL-1007



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1007 |
| Wattage | 12W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | SMD 2835 |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



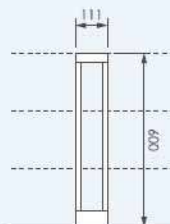
MES BL-1008



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1008 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



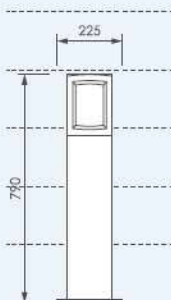


MES BL-1009

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|---------------------|
| Product Code | MES BL-1009 |
| Wattage | 9W ~ 15W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | PLCC / E27 LED Bulb |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |

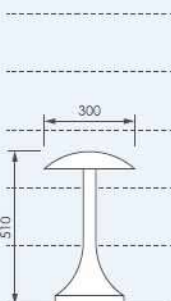


MES BL-1010

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|--------------------|
| Product Code | MES BL-1010 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



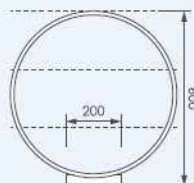
MES BL-1011



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|---------------------|
| Product Code | MES BL-1011 |
| Wattage | 7W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



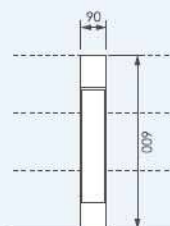
MES BL-1012



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|---------------------|
| Product Code | MES BL-1012 |
| Wattage | 7W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



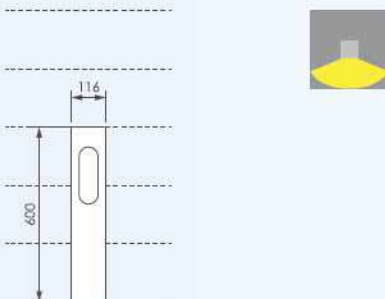


MES BL-1013

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|---------------------|
| Product Code | MES BL-1013 |
| Wattage | 7W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |

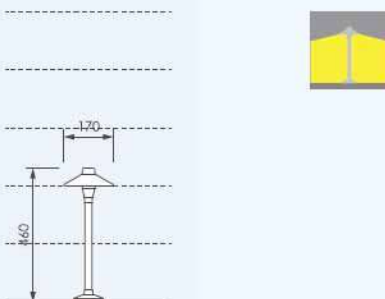


MES BL-1014

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1014 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



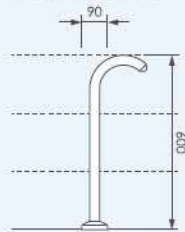
MES BL-1015



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|---------------------|
| Product Code | MES BL-1015 |
| Wattage | 7W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



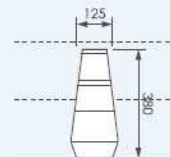
MES BL-1016



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1016 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



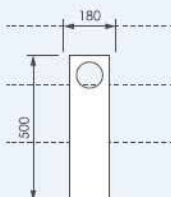


MES BL-1017

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1017 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |

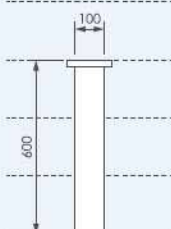


MES BL-1018

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1018 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



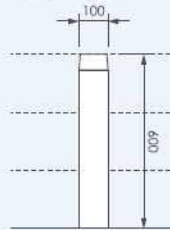
MES BL-1019



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1019 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



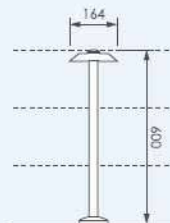
MES BL-1020



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|-------------------|--------------------|
| Product Code | MES BL-1020 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



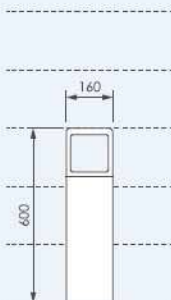


MES BL-1021

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|--------------------|
| Product Code | MES BL-1021 |
| Wattage | 7W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | SMD 2835 |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |

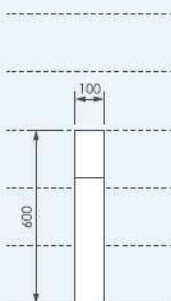


MES BL-1022

Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|--------------------|
| Product Code | MES BL-1022 |
| Wattage | 5W |
| Input Power | AC85-265V, 50/60Hz |
| Lumen | 90~110lm/W |
| Light Source | SMD 2835 |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminum |
| Finishing | Matte black/grey |



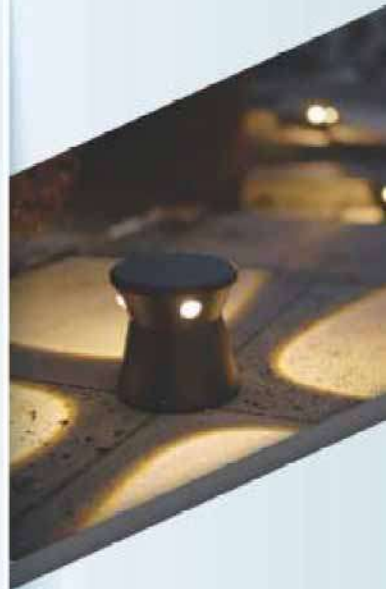
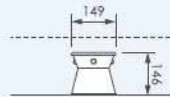
MES BL-1023



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|---------------------|
| Product Code | MES BL-1023 |
| Wattage | 4 x 1W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black/grey |



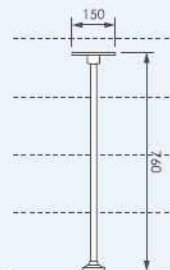
MES BL-1024



Descriptions-

- Die-cast Aluminium Body
- Protective Powder Coated Finish
- Silicon Rubber Gasket
- External Driver With Extended Range 100V-265V

| | |
|--------------------------|---------------------|
| Product Code | MES BL-1024 |
| Wattage | 4W |
| Input Power | AC100-265V, 50/60Hz |
| Lumen | 90-110lm/W |
| Light Source | LED COB |
| Color Temperature | 3000-6500K |
| Protection | IP65 |
| Material | Die-cast aluminium |
| Finishing | Matte black |





Column Lighting



Column Lighting

Product List



MES CM-1001 p59

MES CM-1002 p60

MES CM-1003 p61

MES CM-1004 p62

MES CM-1005 p63



MES CM-1006 p64

MES CM-1007 p65

MES CM-1008 p66

MES CM-1009 p67

MES CM-1010 p68



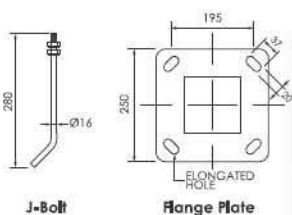
Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1001 |
| Wattage | 30W-60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRJ | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.

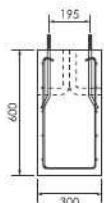
- BLACK**
RAL 7025
- SILVER**
RAL 9006
- LIGHT GREY**
RAL 7045
- DARK GREY**
RAL 7043

Footing Details

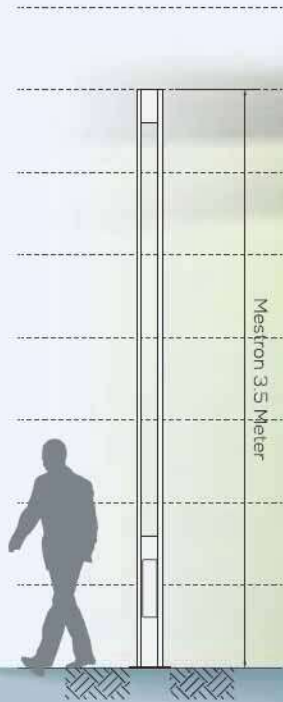


J-Bolt

Flange Plate



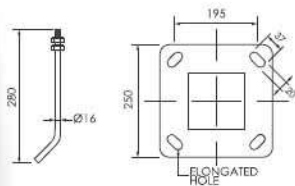
Concrete Footing



MES CM-1002

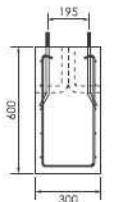


Footing Details

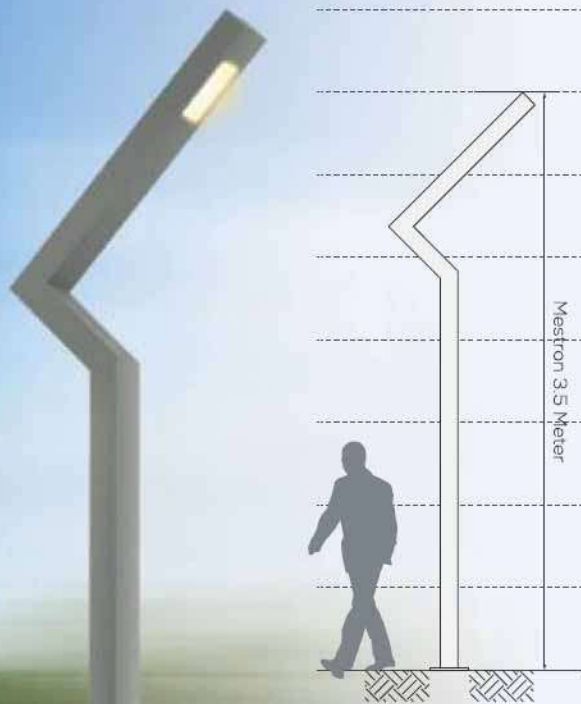


J-Bolt

Flange Plate



Concrete Footing



- BLACK
RAL 7075
- SILVER
RAL 9008
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1002 |
| Wattage | 30W~60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Classa | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.



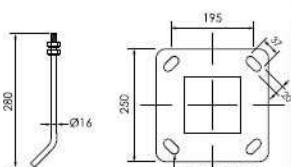
Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1003 |
| Wattage | 30W~60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRi | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.

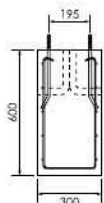
- BLACK**
RAL 7075
- SILVER**
RAL 9006
- LIGHT GREY**
RAL 7045
- DARK GREY**
RAL 7043

Footing Details

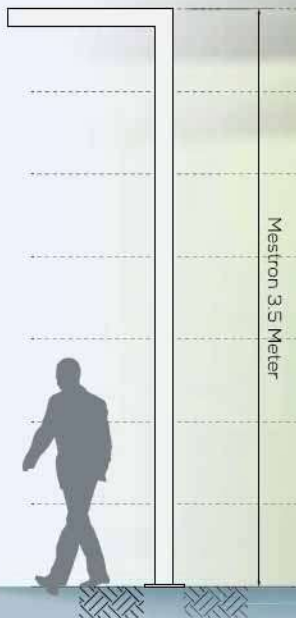


J-Bolt

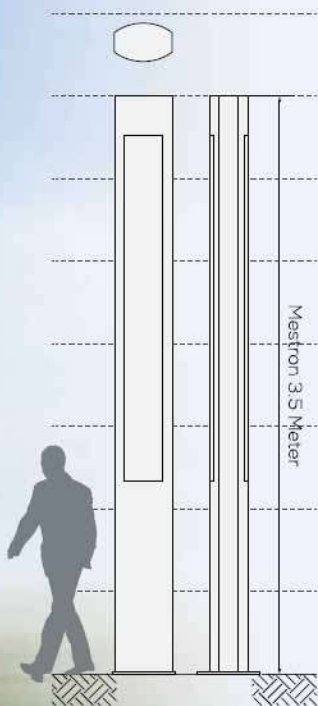
Flange Plate



Concrete Footing

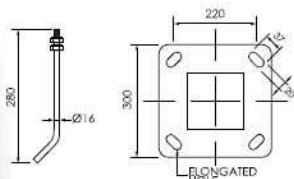


MES CM-1004



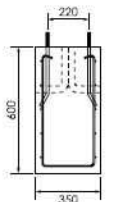
- BLACK
RAL 7075
- SILVER
RAL 9005
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Footing Details



J-Bolt

Flange Plate



Concrete Footing

Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1004 |
| Wattage | 30W-60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Classa | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.



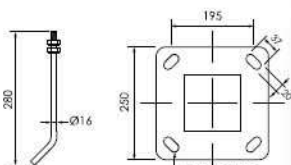
Technical Characteristics

| | |
|---------------------|------------------|
| Product Code | MES-CM-1005 |
| Wattage | 30W-60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.

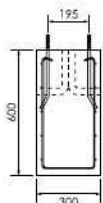
- BLACK
RAL 7075
- SILVER
RAL 9006
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Footing Details

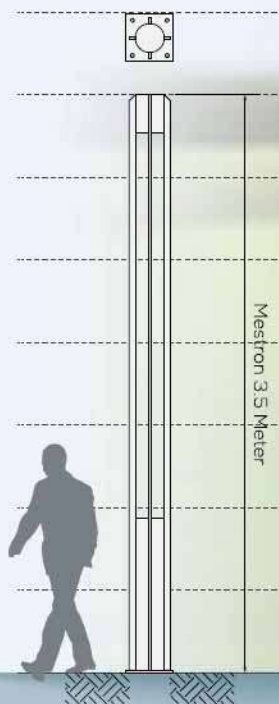


J-Bolt

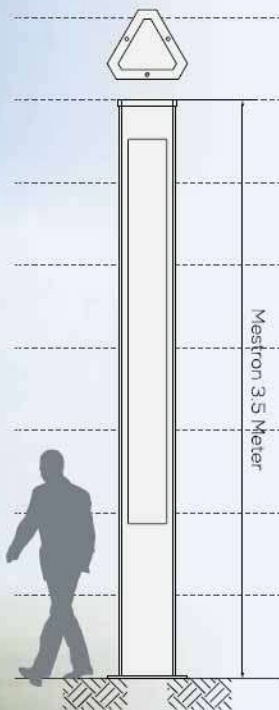
Flange Plate



Concrete Footing

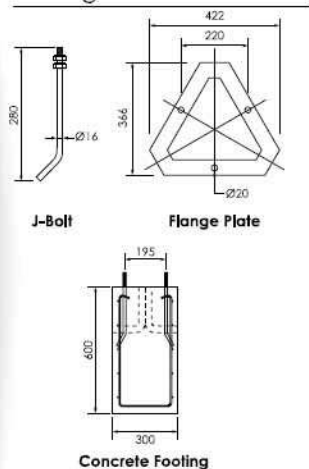


MES CM-1006



- BLACK
RAL 7075
- SILVER
RAL 9005
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

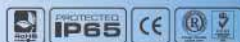
Footing Details



Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1006 |
| Wattage | 30W~60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Classa | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.



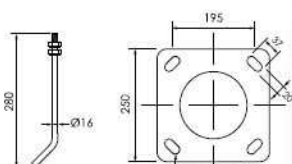
Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1007 |
| Wattage | 30W-60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.

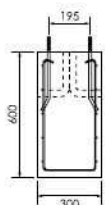
- BLACK**
RAL 7075
- SILVER**
RAL 9006
- LIGHT GREY**
RAL 7045
- DARK GREY**
RAL 7043

Footing Details



J-Bolt

Flange Plate



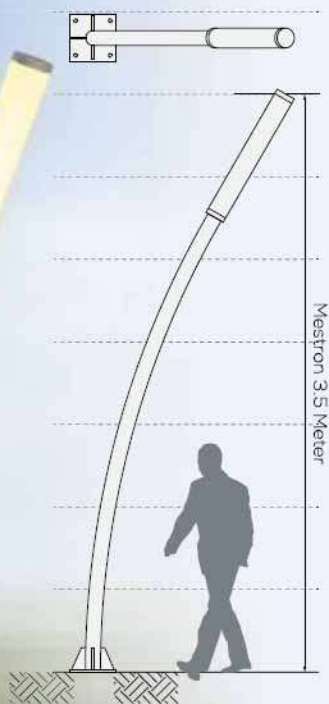
Concrete Footing



Mestron 3.5 Meter

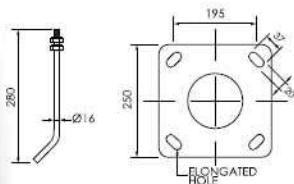


MES CM-1008



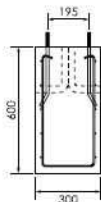
- BLACK
RAL 7075
- SILVER
RAL 9005
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Footing Details



J-Bolt

Flange Plate



Concrete Footing

Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1008 |
| Wattage | 30W-60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Classa | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.



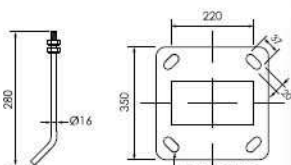
Technical Characteristics

| | |
|---------------------|------------------|
| Product Code | MES-CM-1009 |
| Wattage | 30W~60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Class | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.

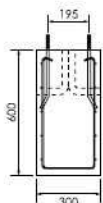
- BLACK
RAL 7075
- SILVER
RAL 9006
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Footing Details



J-Bolt

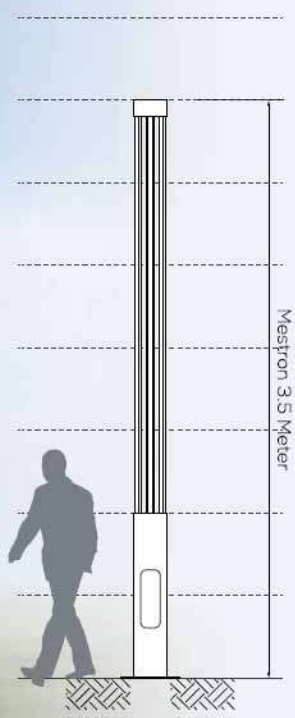
Flange Plate



Concrete Footing

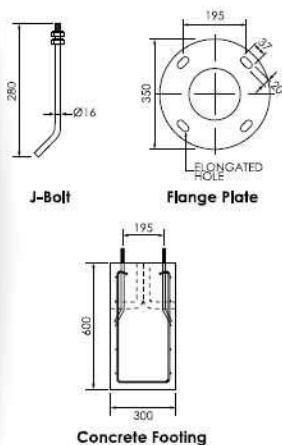


MES CM-1010



- BLACK
RAL 7075
- SILVER
RAL 9005
- LIGHT GREY
RAL 7045
- DARK GREY
RAL 7043

Footing Details



Technical Characteristics

| | |
|----------------------------|------------------|
| Product Code | MES-CM-1010 |
| Wattage | 30W~60W |
| Lumen | 110-130 LM/W |
| Chip Brand | CREE/OSRAM |
| Power Factor | >0.9 |
| Voltage Range | 110V-277V |
| Insulation Classa | Class 1 |
| CCT | 3000-6500K |
| CRI | >70 |
| Working Temperature | (-40C to 60C) |
| IP Class | IP65 |
| Life Span (Hours) | 50,000 hours |
| Material | Mild Steel Sheet |

Applicable for pedestrian walkway, car park, garden lighting, area lighting and others.



Decorative Lighting Pole _____



Decorative Lighting Pole

Product List



URBAN

URBAN Series p79-86



CONTEMPORARY

CONTEMPORARY Series p87-92



MAJESTIC

MAJESTIC Series p93-96

Option and Accessories :

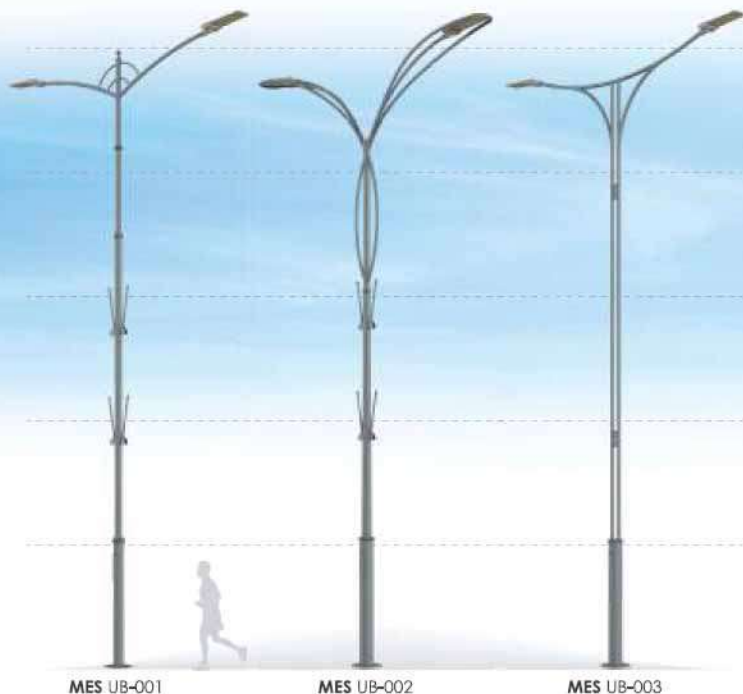
1. Height from 6M-12M
2. Customize design to suit theme
3. Custom colour finishing
4. Flag holder
5. Retractable banner holder
6. Fiberglass service door
7. Anchor bolts base cover

Applications :

Applicable for public/private road, highway, residential area road, pedestrian walkway and others.

Colour Code :

| | |
|---|------------------------|
| ■ | BLACK RAL 7075 |
| ■ | SILVER RAL 9006 |
| ■ | LIGHT GREY RAL 7045 |
| ■ | DARK GREY RAL 7043 |



MES UB-001

MES UB-002

MES UB-003

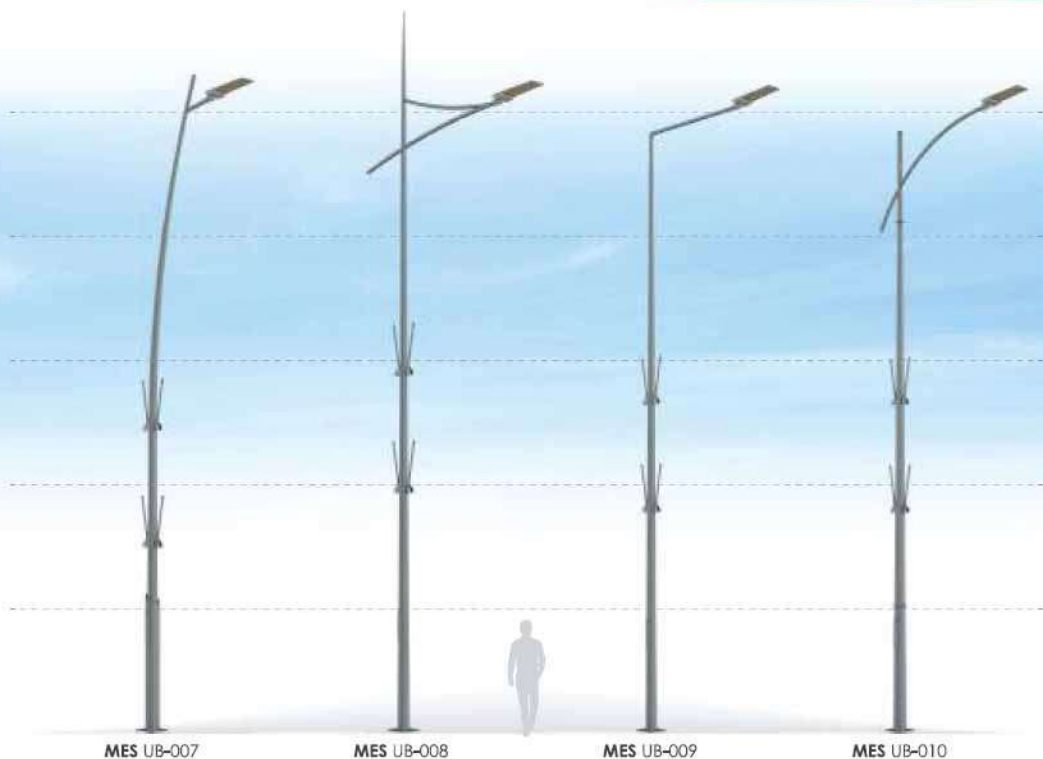


MES UB-004

MES UB-005

MES UB-006

URBAN



MESTRON

Option and Accessories :

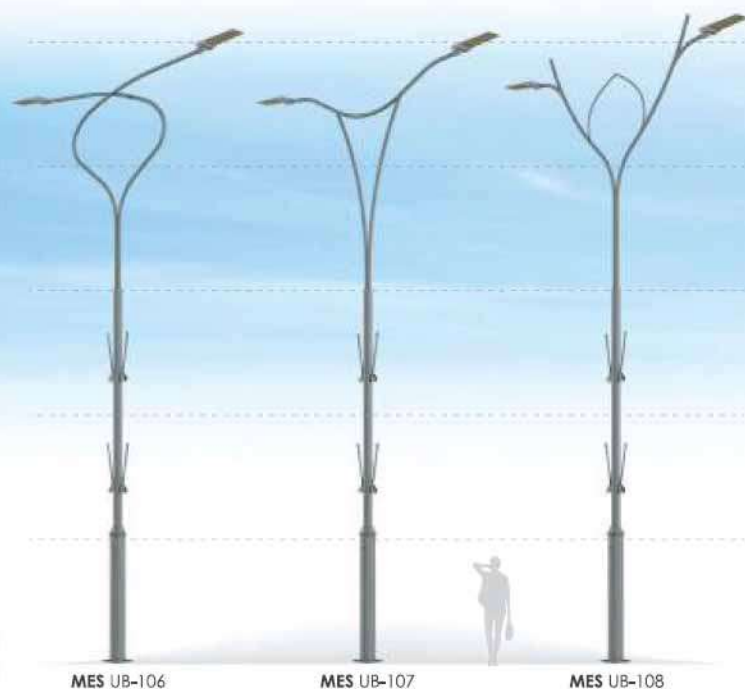
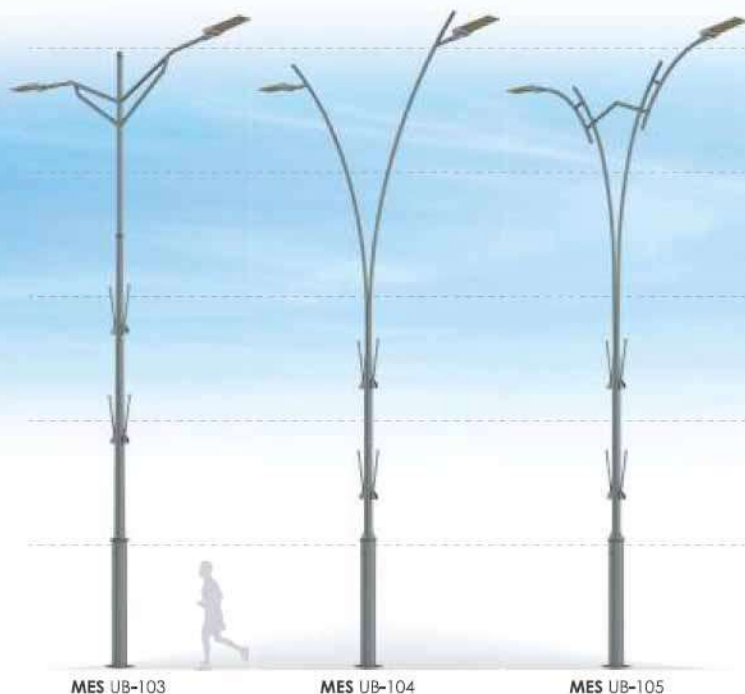
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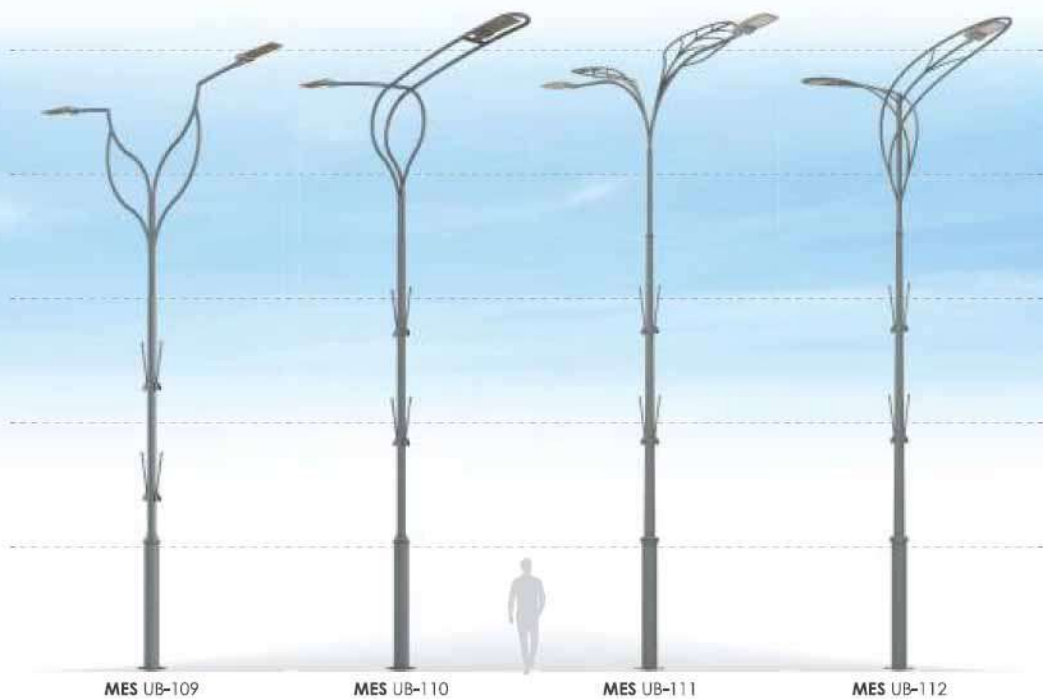
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URBAN



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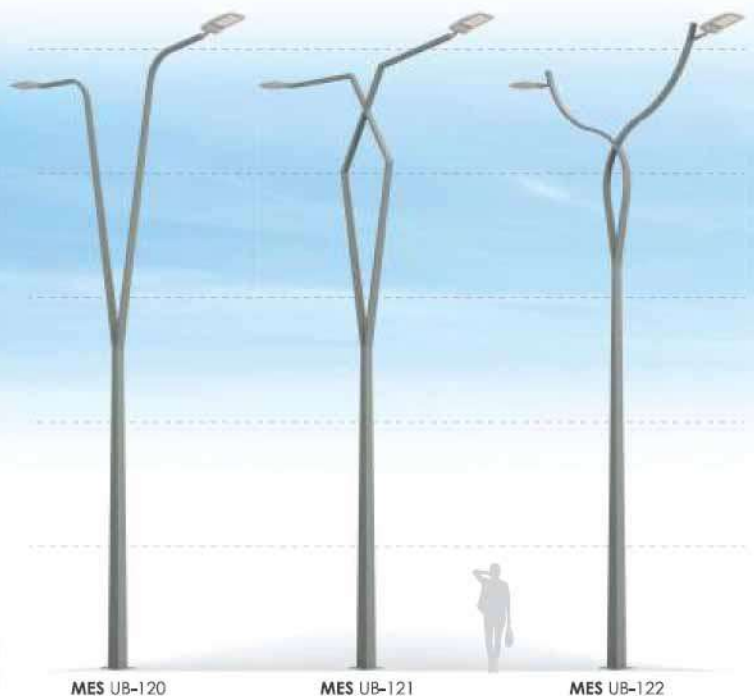
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MES UB-117

MES UB-118

MES UB-119



MES UB-120

MES UB-121

MES UB-122

URBAN



MES UB-123

MES UB-124

MES UB-125

MES UB-126



MES UB-127

MES UB-128

MES UB-129

MES UB-130

MESTRON

Option and Accessories :

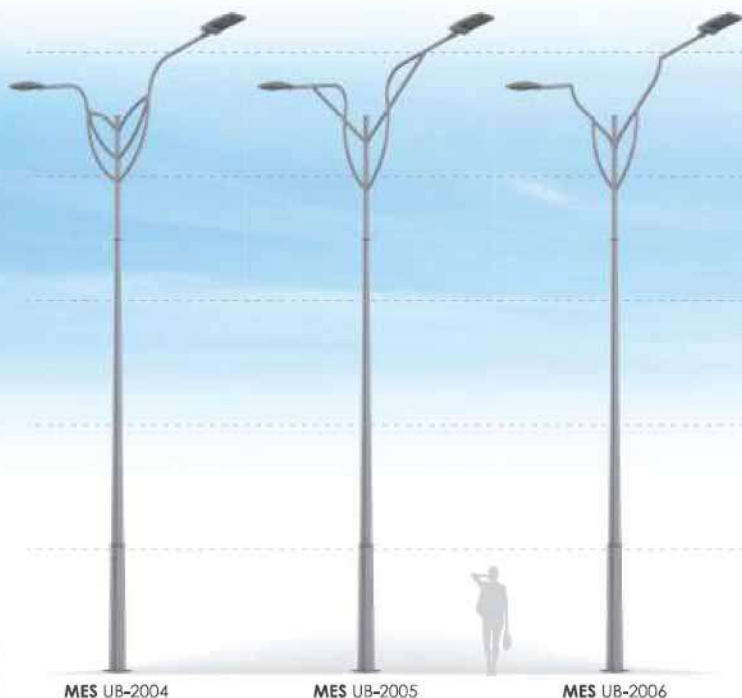
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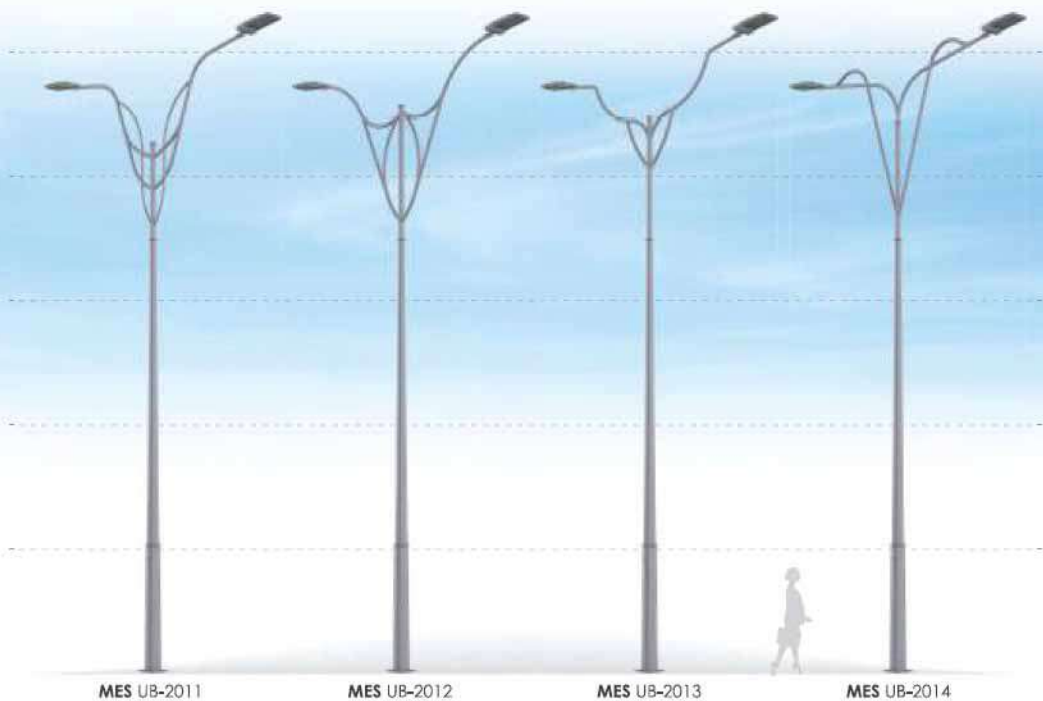
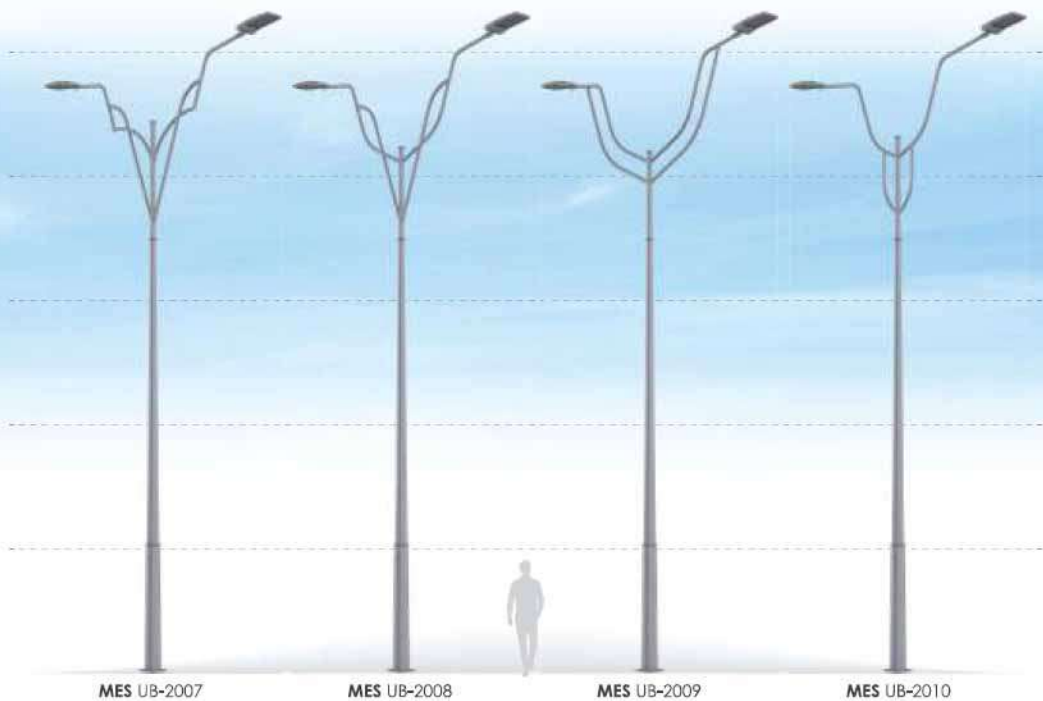
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URBAN



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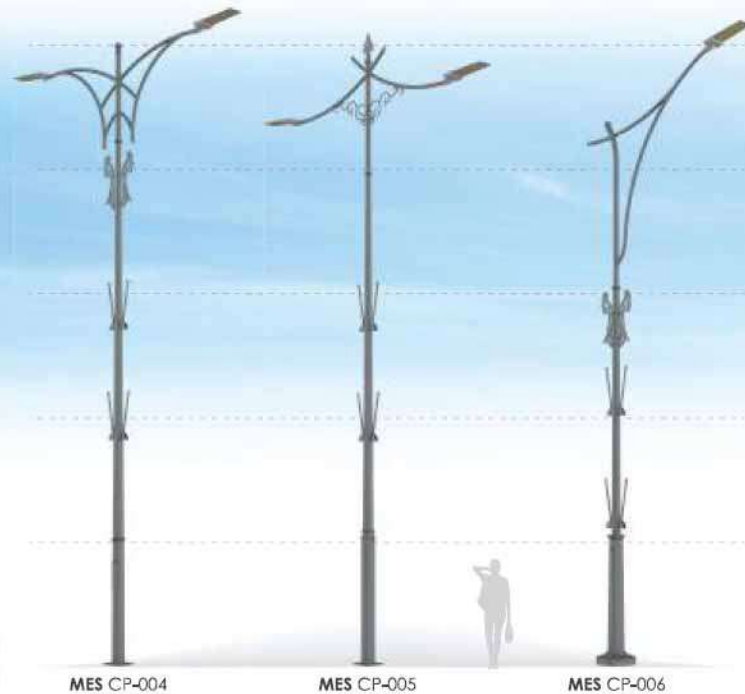
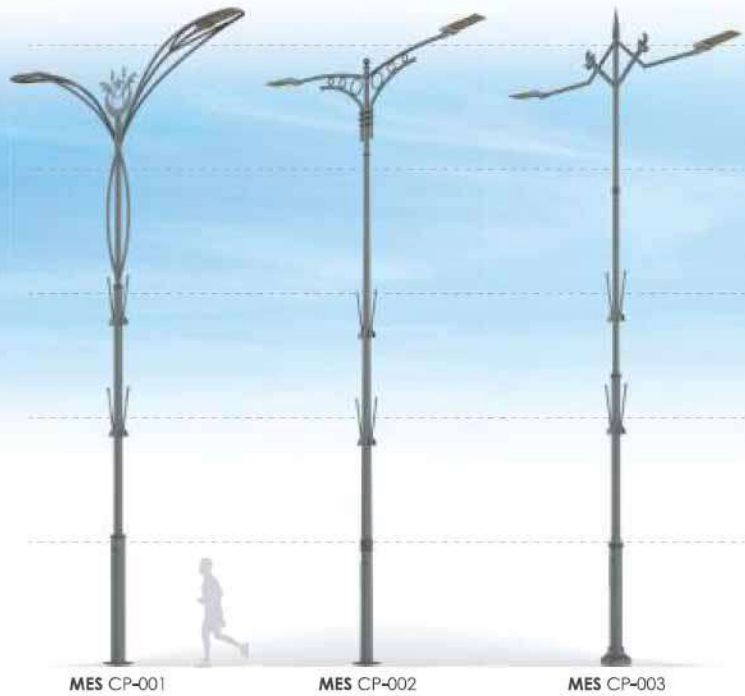
Applications :

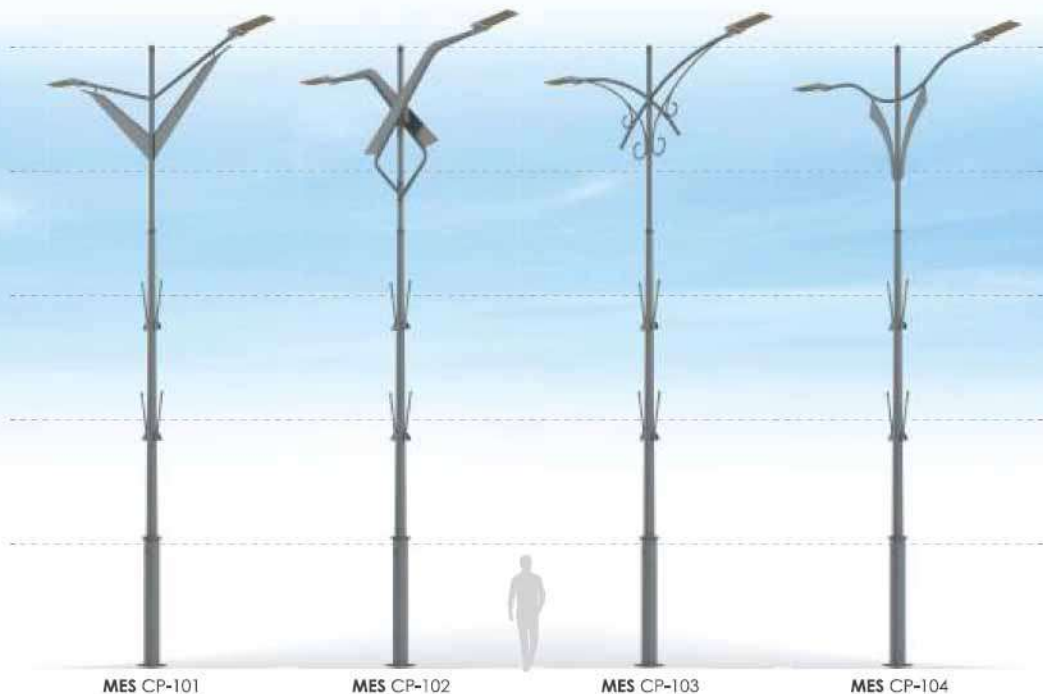
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CONTEMPORARY





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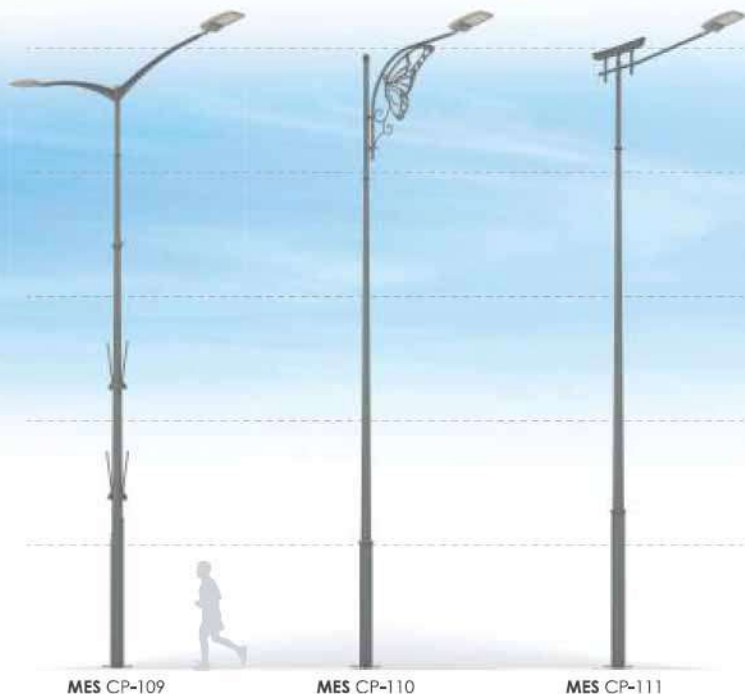
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Colour Code :

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CONTEMPORARY



MES CP-109

MES CP-110

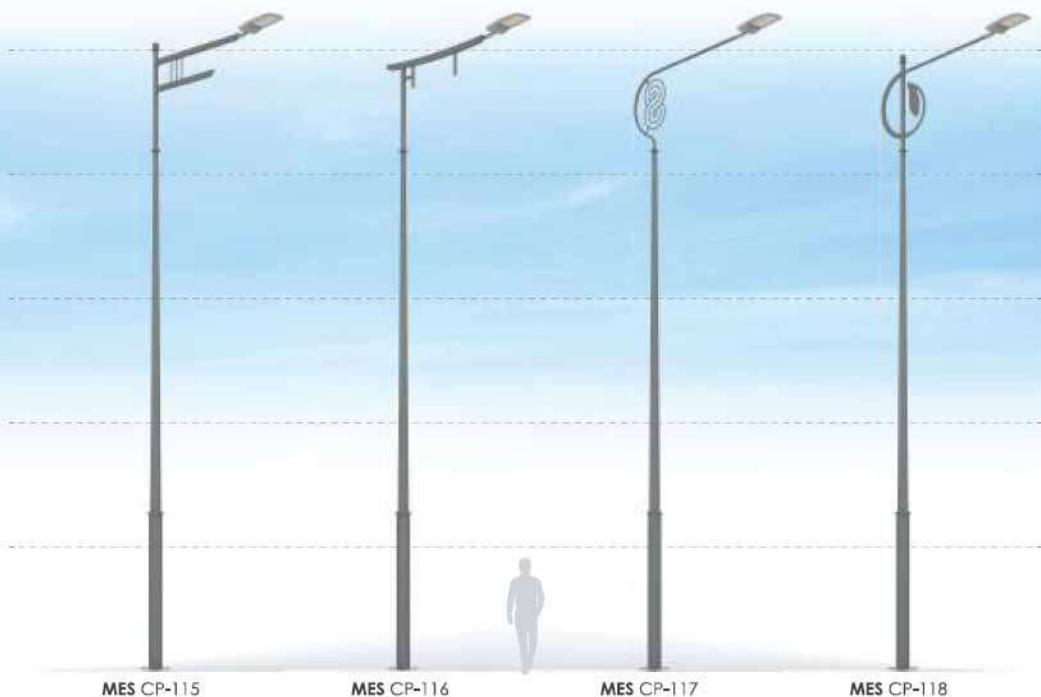
MES CP-111



MES CP-112

MES CP-113

MES CP-114



MESTRON

Option and Accessories :

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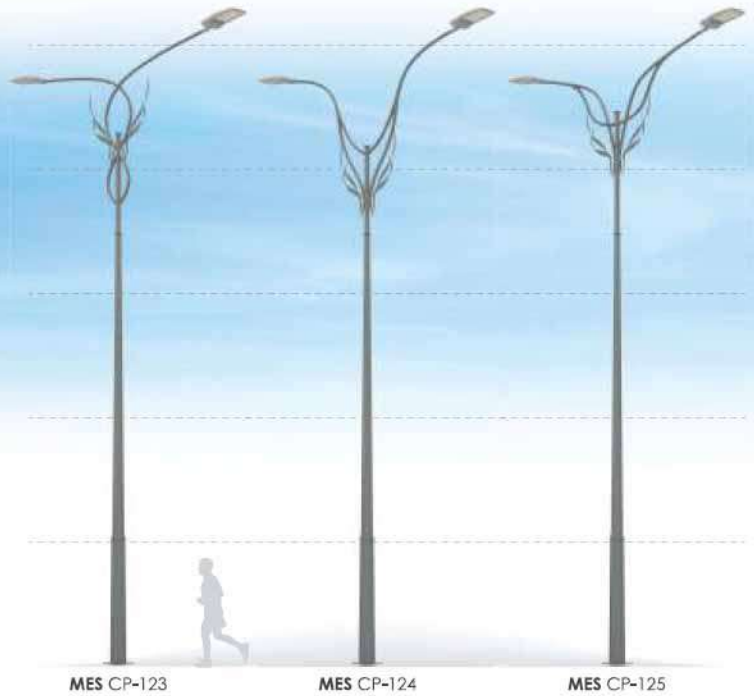
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CONTEMPORARY





MES CP-129

MES CP-130

MES CP-131

MES CP-132



MES CP-133

MES CP-134

MES CP-135

MES CP-136

MESTRON

Option and Accessories :

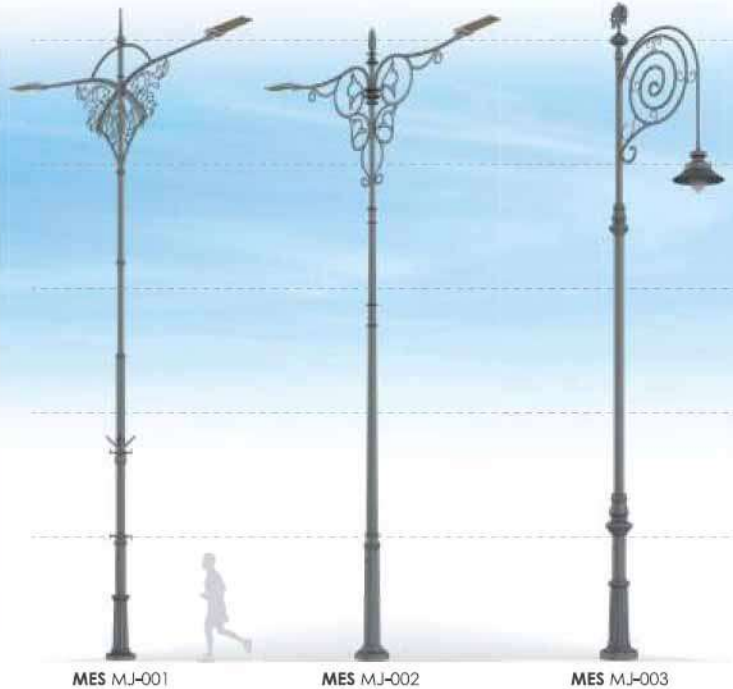
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MAJESTIC



MES MJ-007

MES MJ-008

MES MJ-009

MES MJ-010



MES MJ-011

MES MJ-012

MES MJ-013

MES MJ-014

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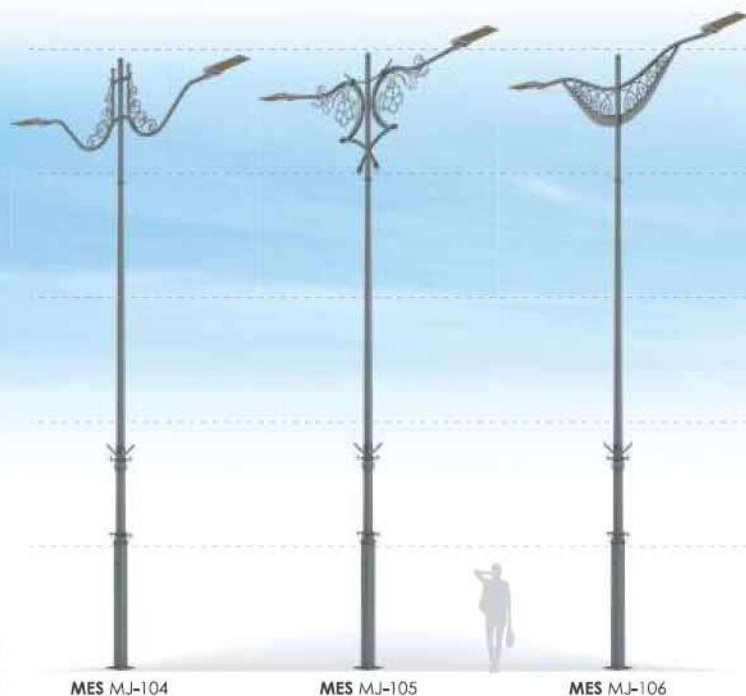
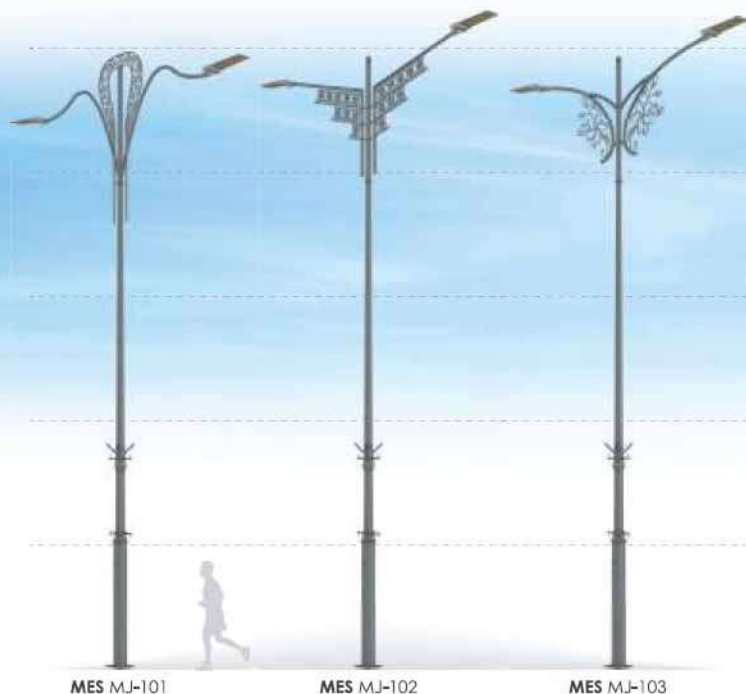
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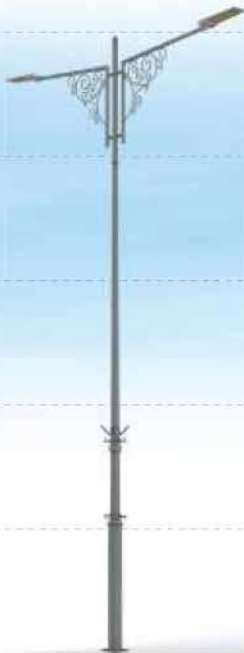
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MAJESTIC





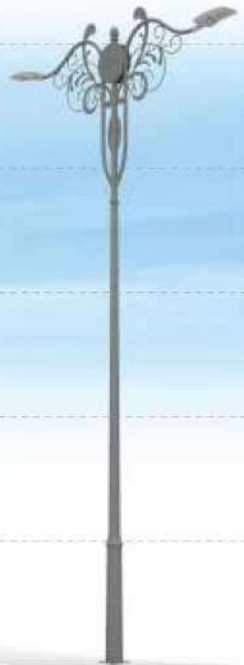
MES MJ-107



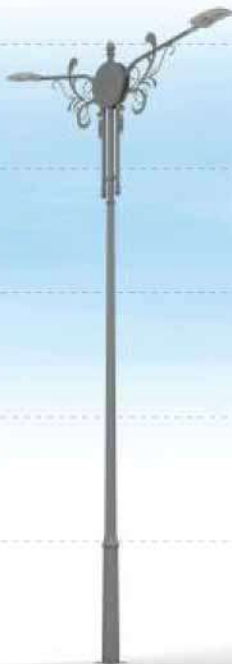
MES MJ-108



MES MJ-109



MES MJ-110



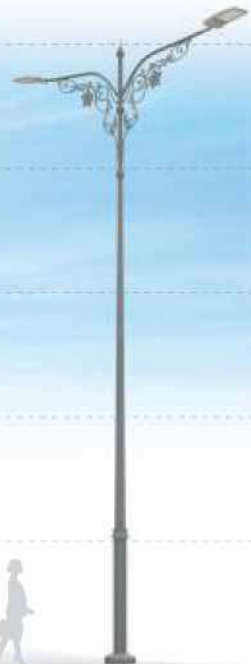
MES MJ-111



MES MJ-112



MES MJ-113



MES MJ-114







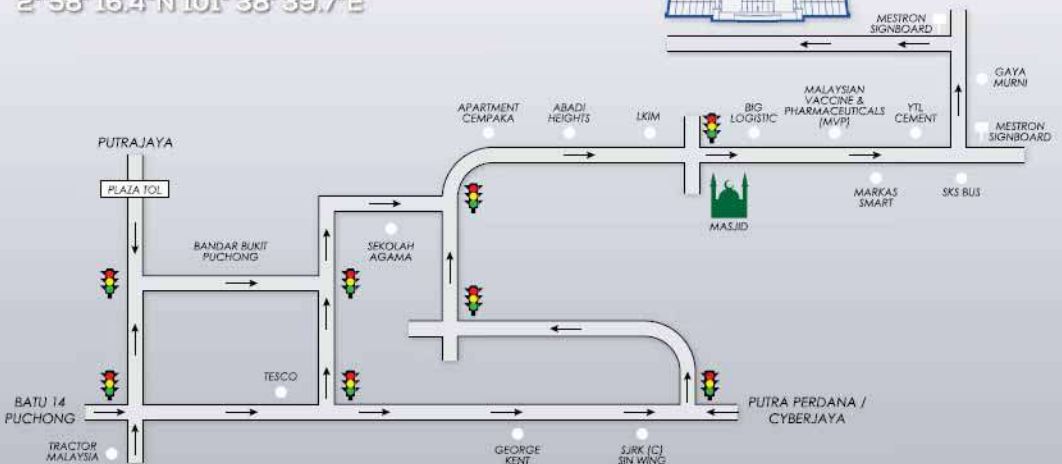
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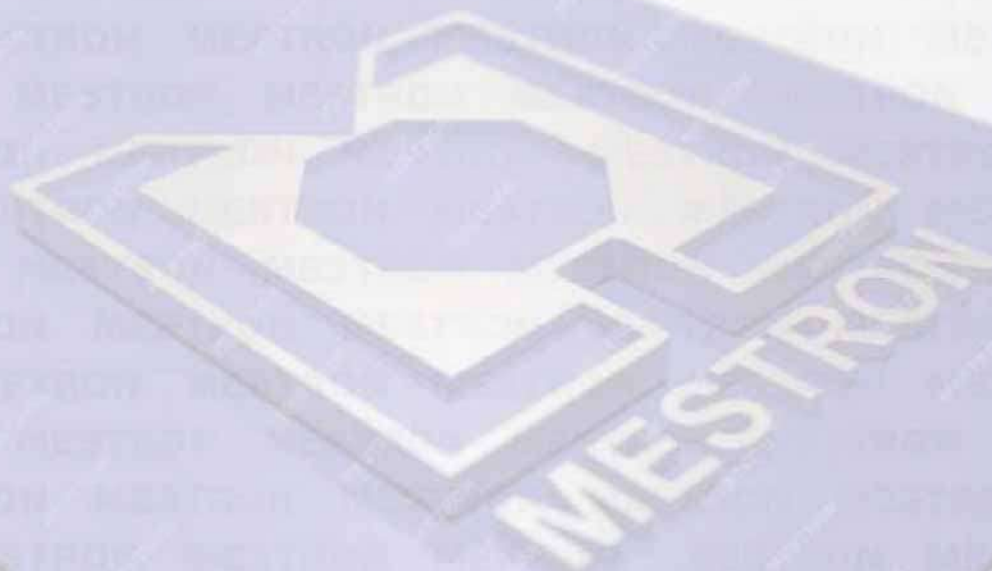
LOCATION MAP

Google Maps

2° 58' 16.4" N 101° 38' 39.7" E

MESTRON







MESTRON ENGINEERING SDN BHD (591970-X)

PT 50102, Jalan Meranti 1/9, Seksyen 10
Taman Perindustrian Meranti Utama
47120 Puchong, Selangor Darul Ehsan
Malaysia



T : +603 - 8069 1815
F : +603 - 8069 1805
E : info@mestron.com.my
W : www.mestron.com.my



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