



MESTRON

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#thepolemaker



MESTRON

CATALOGUE

EDITION 24/25

EDITION
2024/2025



MESTRON



MESTRON ENGINEERING SDN BHD (591970-X)
PT 50102, Jalan Meranti 1/9, Seksyen 10
Taman Perindustrian Meranti Utama
47120 Puchong, Selangor Darul Ehsan
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#ThePoleMaker



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ABOUT US

Mestron Holdings Berhad a company incorporated to revolutionize conventional lighting in tandem with consumers growing expectations towards modernization and urban instinct. At Mestron, we strive to provide solutions rather than merely a product, in an innovative yet cost-effective manner.

Mestron provides personal customization to meet your specific need, differentiating your organization from day-to-day ordinaries. Mestron is your partner, rather than just a supplier for your lighting and engineering excellence, in a mutually beneficial manner.

QUALITY POLICY

To develop quality street lighting column efficiently, in a professional and flexible environment and on time to our customer, while striving to become a world-class organization.

To commit to comply with relevant requirements and continually improve the effectiveness of our Quality Management System.

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

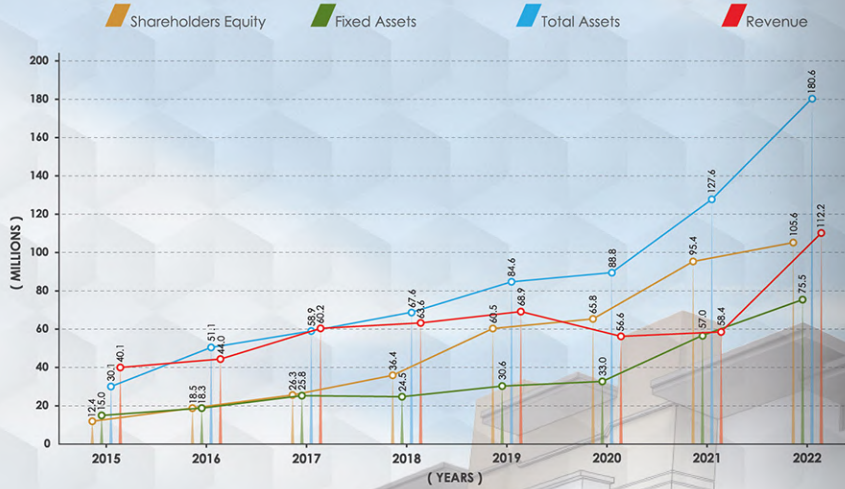
Reg No. 200201024307 (591970-X)

PT 50102, Jalan MU 1/9, Seksyen 10,
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Tel : +603 8069 1815, Fax : +603 8069 1805
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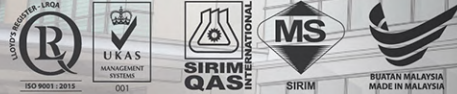


FINANCIAL HIGHLIGHT



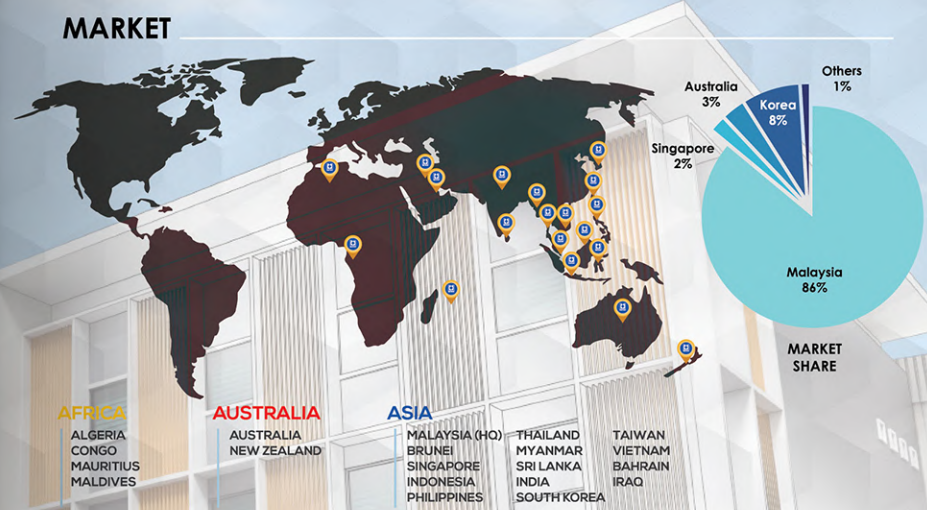
PRODUCT CERTIFICATION / REGISTRATION

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.



ISO 9001: 2015 10453577 CIDB MALAYSIA (012018516-SL012511) LOGO BUATAN MALAYSIA KPDN/LBM/2023/1284-27900 MOF K10352518962825102 MITI A 021411

MARKET



- AFRICA**
ALGERIA
CONGO
MAURITIUS
MALDIVES
- AUSTRALIA**
NEW ZEALAND
- ASIA**
MALAYSIA (HQ)
BRUNEI
SINGAPORE
INDONESIA
PHILIPPINES
- THAILAND
MYANMAR
SRI LANKA
INDIA
SOUTH KOREA
- TAIWAN
VIETNAM
BAHRAIN
IRAQ



SIRIM MALAYSIA J2021390621 TNB MALAYSIA 0120180516-SL012511 TNB MALAYSIA K10352518961871783 IKRAM QA (100) IQAS/CA/SB/09 SARAWAK ENERGY PLS 14/19/SB/cml

PRODUCTION FACILITIES

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



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

APPRECIATION FROM LOCAL AUTHORITIES

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



JABATAN KERJA RAYA
KEDAH



JABATAN KERJA RAYA
N. SEMBILAN



JABATAN KERJA RAYA
KELANTAN



JABATAN KERJA RAYA
KEDAH



JABATAN KERJA RAYA
KEDAH



PERSATUAN KONTRAKTOR
ELEKTRIKAL MELAYU
PERAK (PKEMP)



JABATAN KERJA RAYA
SELANGOR



JABATAN KERJA RAYA
TERENGGANU



JABATAN KERJA RAYA
TERENGGANU



HARI KELUARGA
IPD SEPANG



JABATAN KERJA RAYA
TERENGGANU



MISI BANTUAN BANJIR
2021-2022



JABATAN KERJA RAYA
PERAK



JABATAN KERJA RAYA
PAHANG



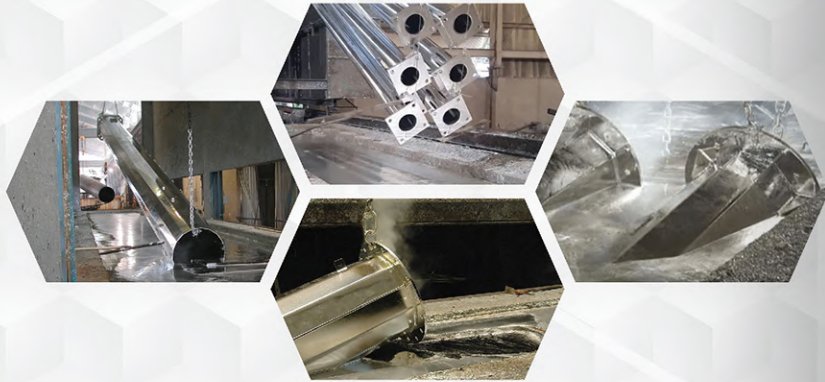
JABATAN KERJA RAYA
PULAU PINANG



PEMBEKAL & KONTRAKTOR
MAJLIS BANDARAYA
KUANTAN

ABOUT HOT-DIP GALVANIZING

Important things to know about Hot-Dip Galvanizing (HDG)



1. Coating Requirement .

Standard HDG items are there 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)

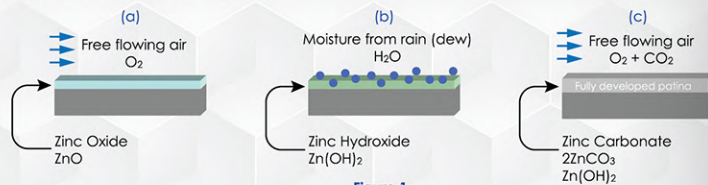


Figure 1 :

- (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 their corrosion resistance is up to 30% greater, providing even longer life.

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

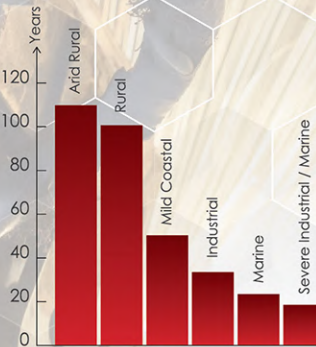


Figure 2

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 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.

Reference : Galvanizers Association of Australia (2009) "After Fabrication Hot Dip Galvanizing Manual". Galvanizers Association of New Zealand, p1 - 146.

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- Telecommunication Monopole

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LIGHTING AND POLE
SECTION



STANDARD LIGHTING POLE

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STANDARD LIGHTING POLE

Product List



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TECHNICAL SPECIFICATION

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 / S3400 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

STANDARD LIGHTING POLE

by Mestron®

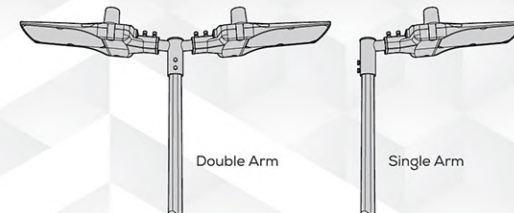
SHORT SPIGOT

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

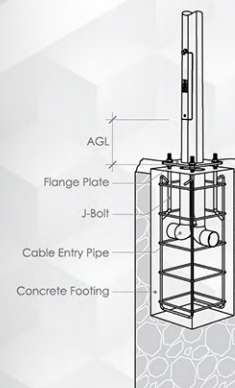
- 4M to 12M height
- Spigot arm Dia. 48/60mm
- Fiberglass Service Door
- Anti-Slick Paint
- Twin Flag Holder
- Retractable Banner Holder



Double Arm

Single Arm

FLANGE MOUNTED

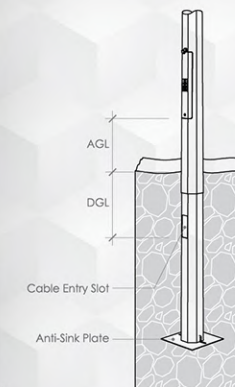


Pole(M)	SECTION HEIGHT		BASE FLANGE PLATE				
	Bottom	Top	Width	C - C	Hole	THK	
4	4000	-	250	195	37 x 20	9	
6	6000	-	300	220	45 x 26	12	
8	8000	-	300	220	45 x 26	12	
9	2050	7200	300	220	45 x 26	15	
10	3050	7200	350	260	52 x 30	16	
12	5050	7200	400	300	56 x 30	18	

Pole(M)	SERVICE DOOR		J-BOLT		CONCRETE FOOTING		
	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	90	16	280	300	600	195
6	305	100	20	450	350	900	220
8	305	110	20	450	400	1000	220
9	610	120	20	450	400	1000	220
10	610	120	24	570	450	1100	260
12	610	120	24	570	500	1200	300

*All Dimension are in Millimeter (MM) unless stated

PLANTED



Pole(M)	SECTION HEIGHT		ANTI-SINK PLATE	
	Bottom	Top	Width	THK
4	4800	-	250	2.5
6	7200	-	250	2.5
8	2450	7200	300	2.5
9	3450	7200	300	2.5
10	4550	7200	300	2.5
12	6750	7200	300	2.5

Pole(M)	SERVICE DOOR		PLANTING DEPTH		
	AGL	Width	Depth	DGL	Cable Entry
4	305	90	800	500	150 x 50
6	305	100	1200	500	150 x 60
8	305	110	1300	500	150 x 60
9	610	120	1400	500	150 x 60
10	610	120	1500	500	150 x 60
12	610	120	1700	500	150 x 60

*All Dimension are in Millimeter (MM) unless stated

TECHNICAL SPECIFICATION

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5. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
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STANDARD LIGHTING POLE

by Mestron®

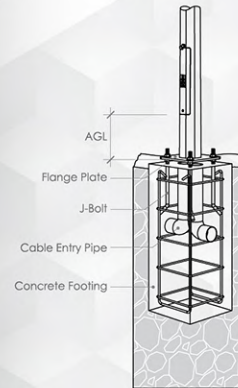
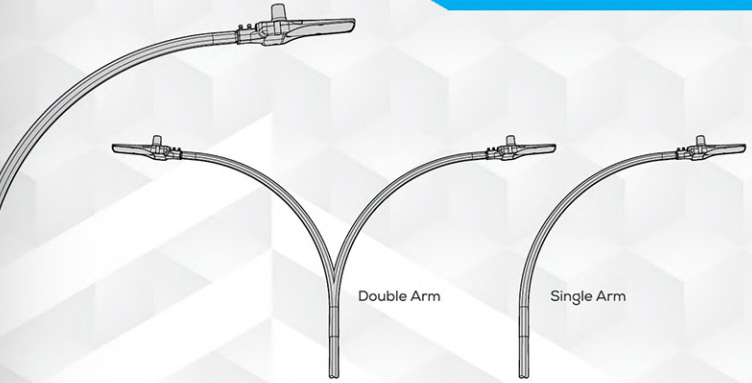
CURVED ARM

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 expressway.

OPTION AND ACCESSORIES

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

FLANGE MOUNTED

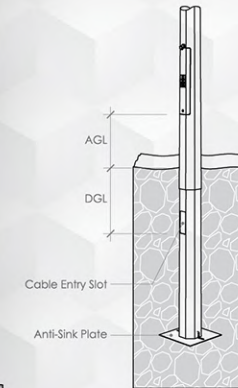


Pole(M)	SECTION HEIGHT			BASE FLANGE PLATE			
	Bottom	Top	Width	C - C	Hole	THK	
6	4350	-	300	220	45 x 26	12	
8	6350	-	300	220	45 x 26	12	
9	2050	5600	300	220	45 x 26	15	
10	3050	5600	350	260	52 x 30	16	
12	5050	5600	400	300	56 x 30	18	

Pole(M)	SERVICE DOOR		J-BOLT		CONCRETE FOOTING		
	AGL	Width	Dia.	Length	Width	Height	C - C
6	305	100	20	450	350	900	220
8	305	110	20	450	400	1000	220
9	610	120	20	450	400	1000	220
10	610	120	24	570	450	1100	260
12	610	120	24	570	500	1200	300

*All Dimension are in Millimeter (MM) unless stated

PLANTED



Pole(M)	SECTION HEIGHT			ANTI-SINK PLATE	
	Bottom	Top	Width	THK	
6	5600	-	250	2.5	
8	2450	5600	300	2.5	
9	3450	5600	300	2.5	
10	4550	5600	300	2.5	
12	6750	5600	350	2.5	

Pole(M)	SERVICE DOOR		PLANTING DEPTH		
	AGL	Width	Depth	DGL	Cable Entry
6	305	100	1200	500	150 x 60
8	305	120	1300	500	150 x 60
9	610	120	1400	500	150 x 60
10	610	120	1500	500	150 x 60
12	610	120	1700	500	150 x 60

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STANDARD LIGHTING POLE

by Mestron®

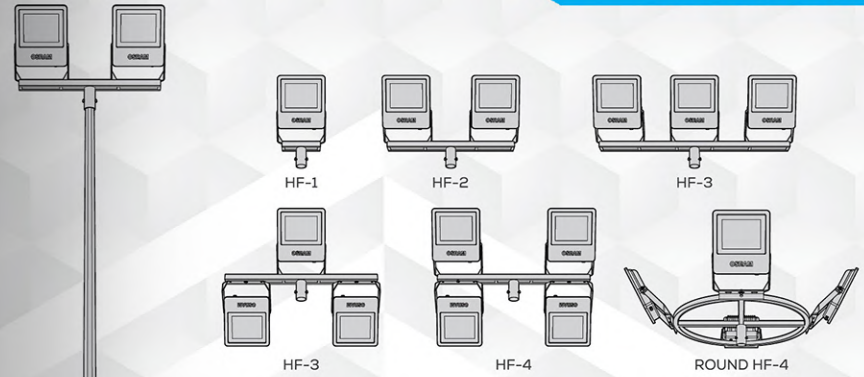
FLOOD LIGHTING COLUMN

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

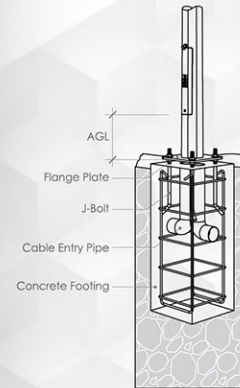
It is typically used for open area such as carpark, playground, field, warehouse and many others. Various options of headframe design is available to suit floodlight of all size and quantity.

OPTION AND ACCESSORIES

- 4M to 20M height
- Customize pole size for various application
- Head-frame to suit all types of fitting
- Bracket for additional attachment
- Fiberglass Service Door
- Anti-Slick Paint
- UV Resistant Polyester Powder Coating for aesthetic finishing



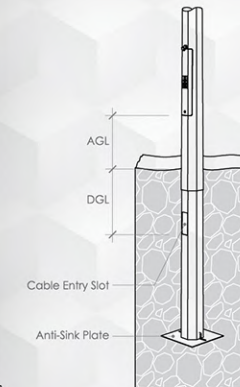
FLANGE MOUNTED



Pole(M)	SECTION HEIGHT		BASE FLANGE PLATE			
	Bottom	Top	Width	C - C	Hole	THK
4	4000	-	250	195	37 x 20	9
6	6000	-	300	220	45 x 26	12
8	8000	-	300	220	45 x 26	12
9	2050	7200	300	220	45 x 26	15
10	3050	7200	350	260	52 x 30	16
12	5050	7200	400	300	56 x 30	18

Pole(M)	SERVICE DOOR		J-BOLT		CONCRETE FOOTING		
	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	90	16	280	300	600	195
6	305	100	20	450	400	1000	220
8	305	110	20	450	400	1300	220
9	610	120	20	450	400	1300	220
10	610	120	24	570	450	1300	260
12	610	120	24	570	500	1500	300

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PLANTED

Pole(M)	SECTION HEIGHT		ANTI-SINK PLATE	
	Bottom	Top	Width	THK
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	300	2.5
12	6750	7200	300	2.5

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	AGL	Width	Depth	DGL	Cable Entry
4	305	90	800	500	150 x 50
6	305	100	1200	500	150 x 60
8	305	110	1300	500	150 x 60
9	610	120	1400	500	150 x 60
10	610	120	1500	500	150 x 60
12	610	120	1700	500	150 x 60

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STANDARD LIGHTING POLE

by Mestron®

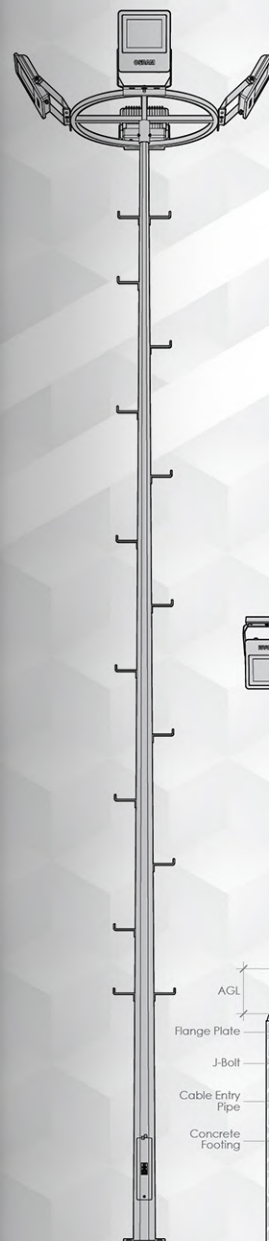
CLIMBING RUNG COLUMN

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

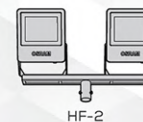
Similar to Standard Flood Lighting Pole, it has a wide range of application for area lighting such as carpark, playground, field, warehouse and etc. Customized lighting design with various options is available to suit floodlight of all size and quantity.

OPTION AND ACCESSORIES

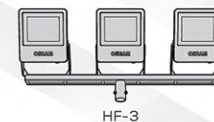
- 4M to 20M height
- Detachable / Weld-on Climbing bracket
- Customize Pole size for various application
- Head-Frame to suit all types of Fitting
- Brackets for additional attachment
- Fiberglass Service Door
- Anti-Slick Paint
- UV Resistant Polyester Powder Coating for Aesthetic Finishing



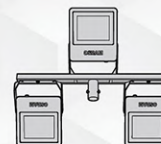
HF-1



HF-2



HF-3



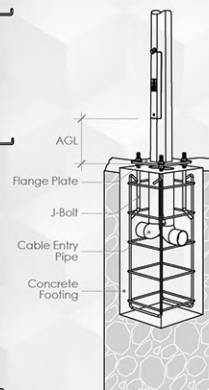
HF-3



HF-4



ROUND HF-4



FLANGE MOUNTED

Pole(M)	SECTION HEIGHT		BASE FLANGE PLATE				
	Bottom	Top	Width	C - C	Hole	THK	
4	4000	-	250	195	37 x 20	9	
6	6000	-	300	220	45 x 26	12	
8	8000	-	300	220	45 x 26	12	
9	3700	5600	300	220	45 x 26	15	
10	4700	5600	350	260	52 x 30	16	
12	6750	5600	400	300	56 x 30	18	
SERVICE DOOR			J-BOLT		CONCRETE FOOTING		
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	90	16	280	300	600	195
6	305	100	20	450	400	1000	220
8	305	110	20	450	400	1300	220
9	610	120	20	450	400	1300	220
10	610	120	24	570	450	1300	260
12	610	120	24	570	500	1500	300

*All Dimension are in Millimeter (MM) unless stated

TECHNICAL SPECIFICATION

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 / S3400 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

STANDARD LIGHTING POLE

by Mestron®

MID-HINGED COLUMN

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



HF-1

HF-2

HF-3

HF-3

HF-4

ROUND HF-4

FLANGE MOUNTED

TOP LOADS		BASE FLANGE PLATE					
Pole(M)	KG/S	Width	C - C	Hole	THK		
4	10	250	195	37 x 20	9		
6	15	300	220	45 x 26	12		
8	15	300	220	45 x 26	15		
9	20	300	220	45 x 26	15		
10	20	350	260	52 x 30	16		
12	20	400	300	56 x 30	18		
~	~	~	~	~	~		
15	60	550	400	73 x 39	25		
18	80	ø650	ø500	ø38	25		
20	80	ø750	ø600	ø38	38		
SERVICE DOOR		J-BOLT		CONCRETE FOOTING			
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	120	16	280	300	800	195
6	305	120	20	450	400	1000	220
8	305	120	20	450	400	1300	220
9	610	140	20	450	400	1300	220
10	610	140	24	570	450	1300	260
12	610	140	24	570	500	1500	300
~	~	~	~	~	~	~	~
15	610	160	33	840	600	1600	400
18	610	180	33	840	800(1800)	1500(800)	ø500
20	610	200	33	840	1000(2000)	1500(800)	ø600

*All Dimension are in Millimeter (MM) unless stated

TECHNICAL SPECIFICATION

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 / S3400 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

STANDARD LIGHTING POLE

by Mestron®

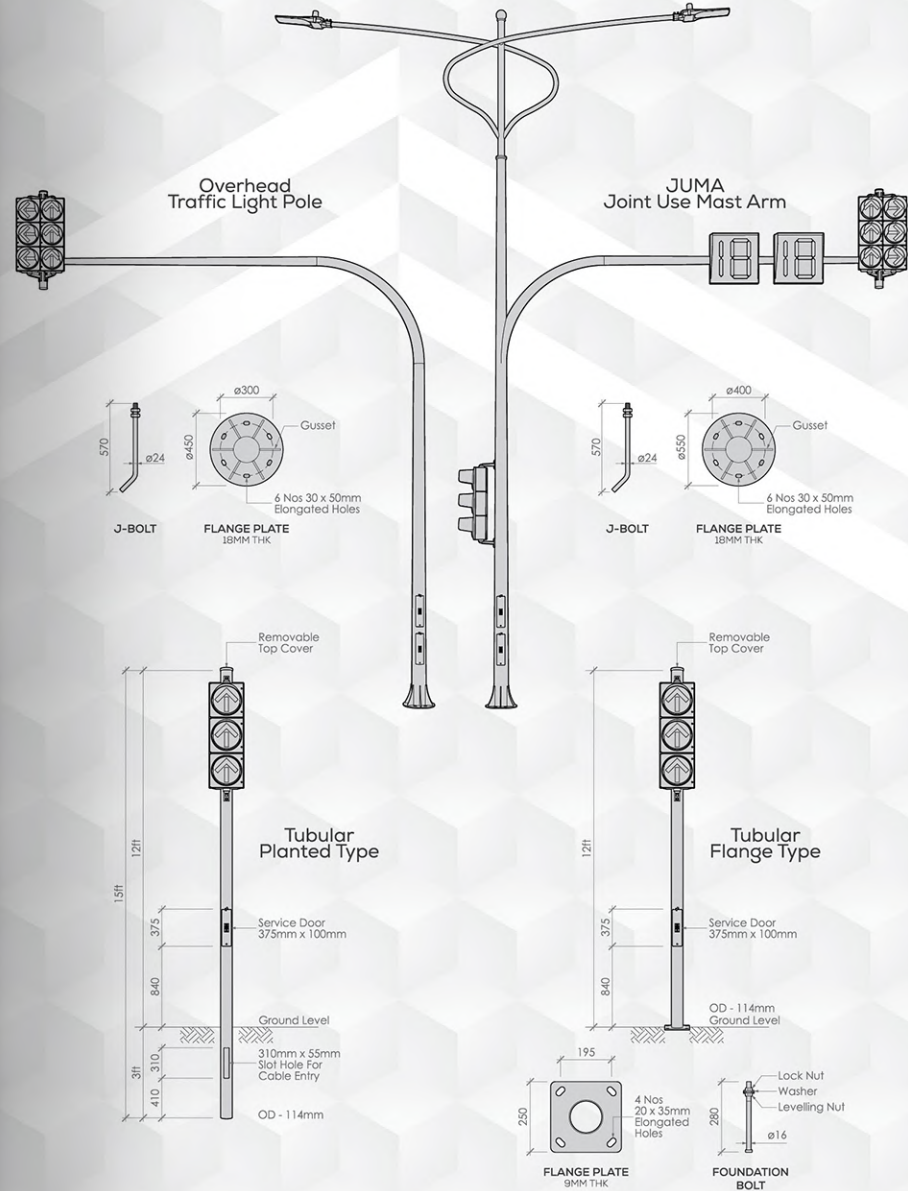
TRAFFIC LIGHT POLE

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



TECHNICAL SPECIFICATION

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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STANDARD LIGHTING POLE

by Mestron®

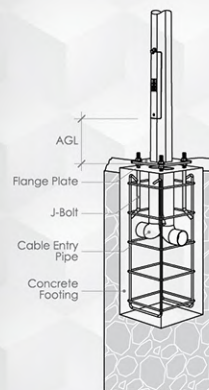
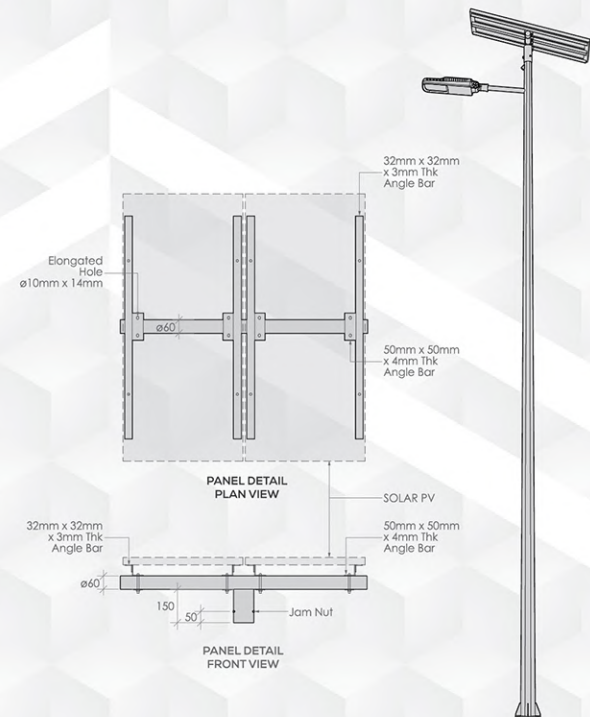
SOLAR LIGHTING POLE

Solar Lightig Pole is designed to cater for additional loading of Photovoltaik (PV) panel or a LED SOLAR Integrated Lighting 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



FLANGE MOUNTED

Pole(M)	ACROSS FLAT, A/F		BASE FLANGE PLATE				
	A/F - T	A/F - B	Width	C - C	Hole	THK	
4	83	133	250	195	37 x 20	9	
6	83	157	300	220	45 x 26	12	
8	83	174	300	220	45 x 26	12	
9	83	185	300	220	45 x 26	15	
10	83	200	350	260	52 x 30	16	
12	100	249	400	300	56 x 30	18	
SERVICE DOOR**			J-BOLT		CONCRETE FOOTING		
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	120	16	280	300	800	195
6	305	120	20	450	350	1000	220
8	305	120	20	450	400	1300	220
9	610	140	20	450	400	1300	220
10	610	140	24	570	450	1300	260
12	610	140	24	570	500	1500	300

*All Dimension are in Millimeter (MM) unless stated
**Service door must be requested

TECHNICAL SPECIFICATION

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 / S3400 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
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STANDARD LIGHTING POLE

by Mestron®

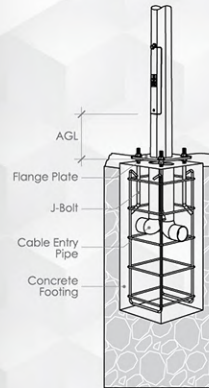
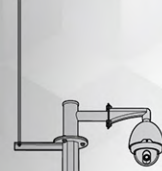
CCTV POLE

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

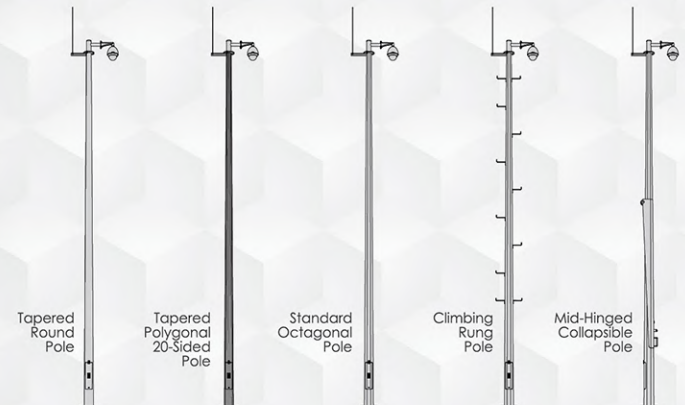


FLANGE MOUNTED

ACROSS FLAT, A/F				BASE FLANGE PLATE			
Pole(M)	A/F-T	A/F-B	Def	Width	C - C	Hole	THK
4	83	133	0.5	250	195	37 x 20	9
6	83	157	0.5	300	220	45 x 26	12
8	83	174	0.5	300	220	45 x 26	12
9	83	186	0.5	300	220	45 x 26	15
10	83	200	0.5	350	260	52 x 30	16
12	83	227	1.0	400	300	56 x 30	18
15	83	258	1.0	400	300	73 x 39	18
18	83	296	1.0	550	400	73 x 39	18
20	83	320	1.0	550	400	73 x 39	25
~	~	~	~	~	~	~	~
12	100	249	0.5	400	300	56 x 30	18
15	120	346	0.5	550	400	73 x 39	18
18	120	393	0.5	ø600	ø500	ø38	25
20	120	426	0.5	ø750	ø600	ø38	25

SERVICE DOOR			J-BOLT		CONCRETE FOOTING		
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	90	16	280	300	800	195
6	305	100	20	450	350	900	220
8	305	110	20	450	400	1000	220
9	610	120	20	450	400	1000	220
10	610	120	24	570	450	1100	260
12	610	120	24	570	500	1200	300
15	610	160	33	840	600	1400	300
18	610	180	33	840	800(1800)	1500(800)	400
20	610	200	33	840	1000(2000)	1500(800)	400
~	~	~	~	~	~	~	~
12	610	140	24	570	500	1200	300
15	610	160	33	840	600	1400	400
18	610	180	33	840	800(1800)	1500(800)	ø500
20	610	200	33	840	1000(2000)	1500(800)	ø600

*All Dimension are in Millimeter (MM) unless stated



TECHNICAL SPECIFICATION

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 / S4500 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

STANDARD LIGHTING POLE

by Mestron®

HIGH MAST

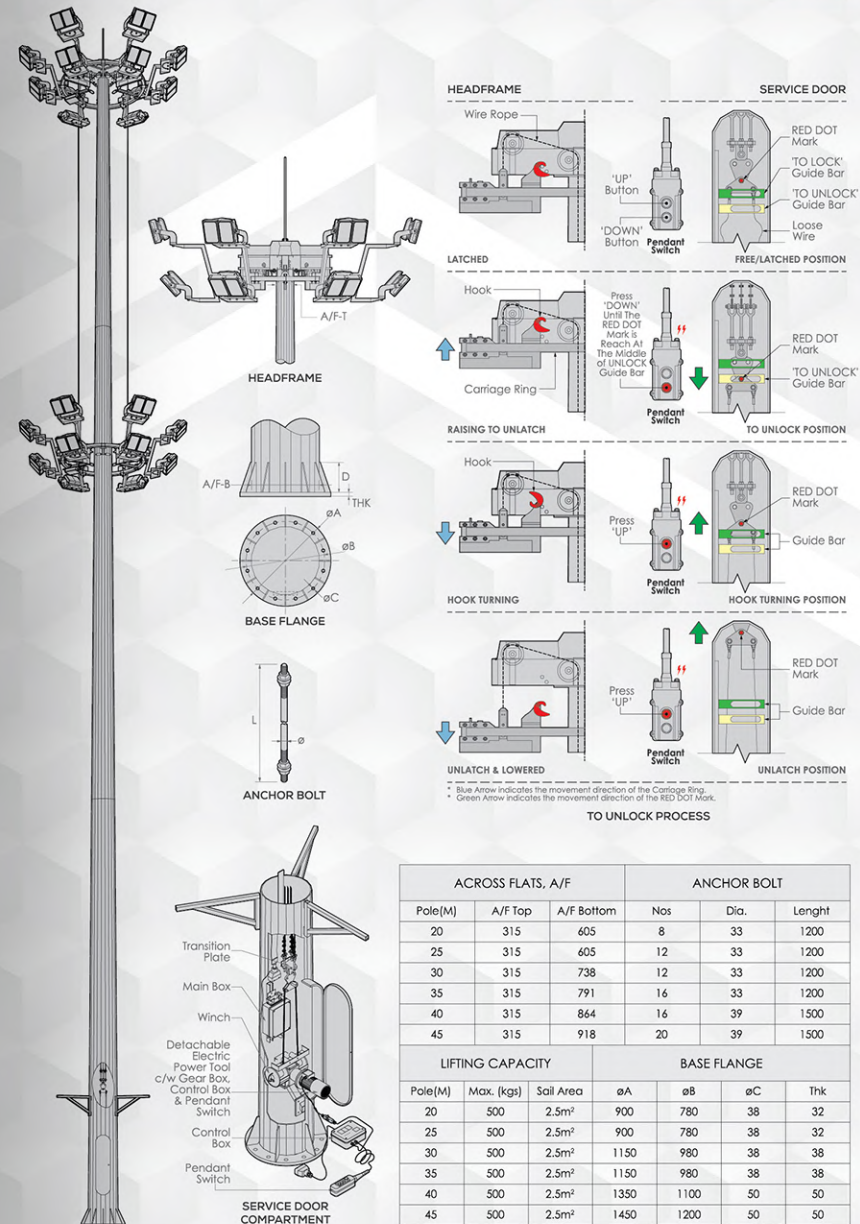
High Mast is capable of lighting up large area efficiently at great heights.

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



TECHNICAL SPECIFICATION

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 / S5400 WITH MINIMUM YIELD AND TENSILE STRENGTH OF 275 MPa AND 430 MPa RESPECTIVELY
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STANDARD LIGHTING POLE

by Mestron®

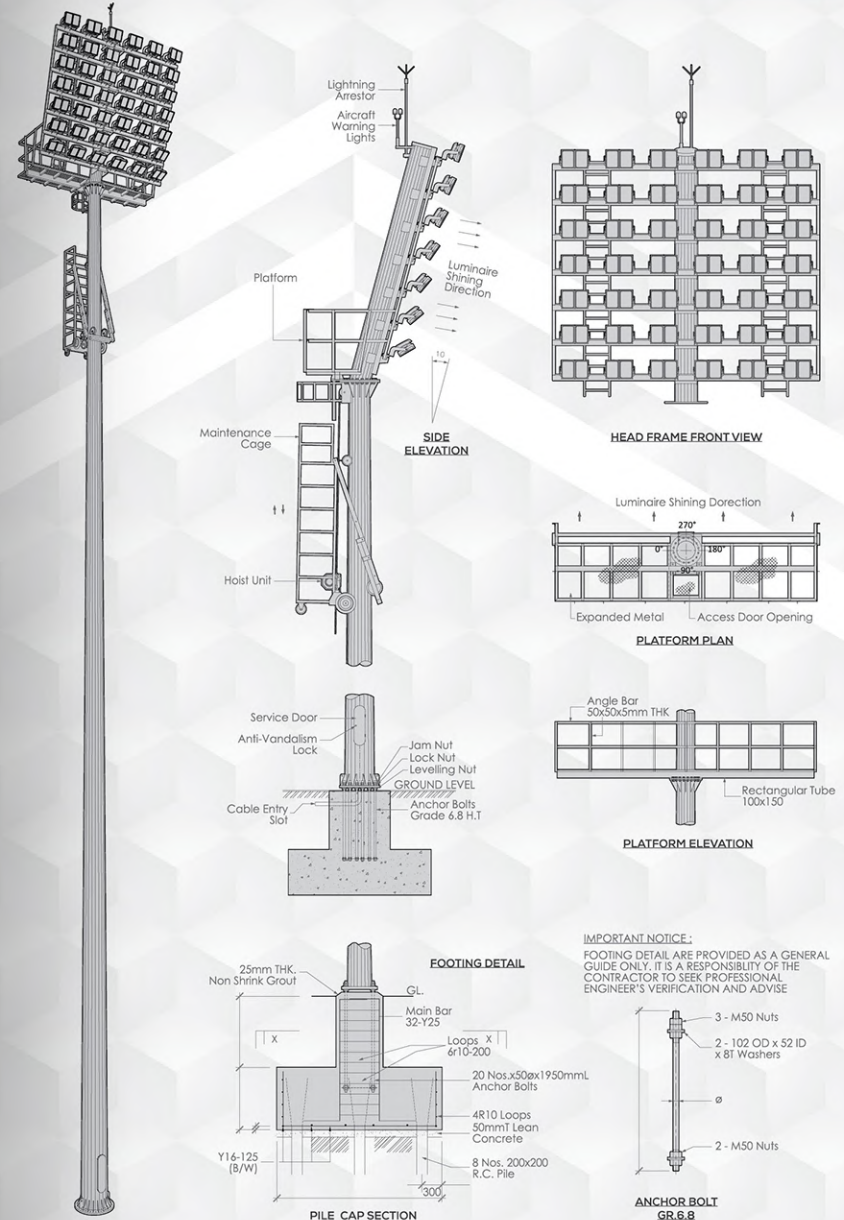
STADIUM MAST

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



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

DECORATIVE LIGHTING POLE

by Mestron®

DECORATIVE LIGHTING POLE

Product List



URBAN Lighting Pole Series
p27-36



CONTEMPORARY Lighting Pole Series
p37-44



MAJESTIC Lighting Pole Series
p45-50

DECORATIVE LIGHTING POLE

by Mestron®

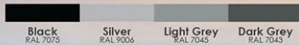
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES UB-001

MES UB-002



MES UB-003

MES UB-004



MES UB-005

MES UB-006

URBAN SERIES



MES UB-007

MES UB-008

MES UB-009



MES UB-010

MES UB-011

MES UB-012

MES UB-101

MES UB-102

URBAN SERIES

DECORATIVE LIGHTING POLE

by Mestron®

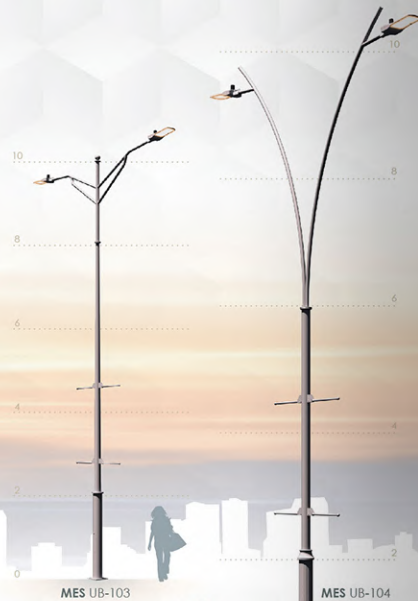
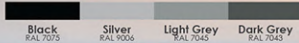
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES UB-103

MES UB-104



MES UB-105

MES UB-106



MES UB-107

MES UB-108



MES UB-109

MES UB-110



MES UB-113

MES UB-114



MES UB-111

MES UB-112



MES UB-115

MES UB-116

DECORATIVE LIGHTING POLE

by Mestron®

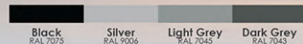
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES UB-117

MES UB-118



MES UB-123

MES UB-124

MES UB-125

MES UB-126



MES UB-121

MES UB-122



MES UB-119

MES UB-120



MES UB-127

MES UB-128



MES UB-129

MES UB-130

DECORATIVE LIGHTING POLE

by Mestron®

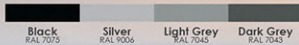
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES UB-131

MES UB-132



MES UB-133

MES UB-134



MES UB-135

MES UB-136



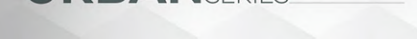
MES UB-137

MES UB-138



MES UB-2001

MES UB-2002



MES UB-2003

MES UB-2004



MES UB-2005

MES UB-2006

DECORATIVE LIGHTING POLE

by Mestron®

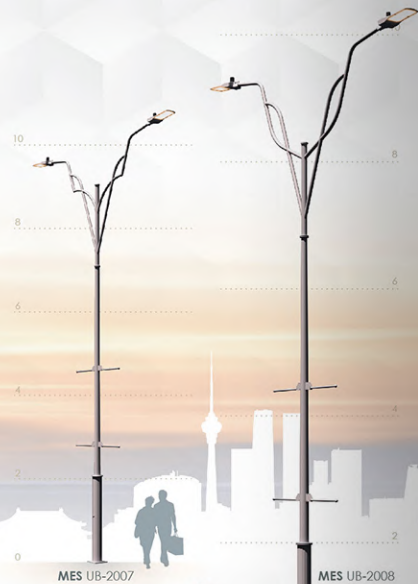
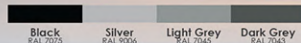
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES UB-2007

MES UB-2008



MES UB-2009

MES UB-2010



MES UB-2011

MES UB-2012



MES UB-2013

MES UB-2014

MES UB-2015

MES UB-2016



MES UB-2017

MES UB-2018

MES UB-2019

MES UB-2020

DECORATIVE LIGHTING POLE

by Mestron®

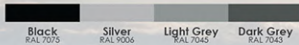
Option & Accessories

- Height from 6M ~ 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES CP-001

MES CP-002



MES CP-003

MES CP-004

MES CP-005

MES CP-006



MES CP-007

MES CP-008

MES CP-009

MES CP-010



MES CP-101

MES CP-102

MES CP-103

MES CP-104

DECORATIVE LIGHTING POLE

by Mestron®

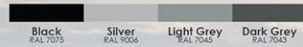
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES CP-105

MES CP-106



MES CP-107

MES CP-108

MES CP-109

MES CP-110



MES CP-111

MES CP-112

MES CP-113

MES CP-114



MES CP-115

MES CP-116

MES CP-117

MES CP-118

DECORATIVE LIGHTING POLE

by Mestron®

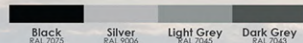
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



DECORATIVE LIGHTING POLE

by Mestron®

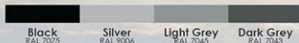
Option & Accessories

- Height from 6M - 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

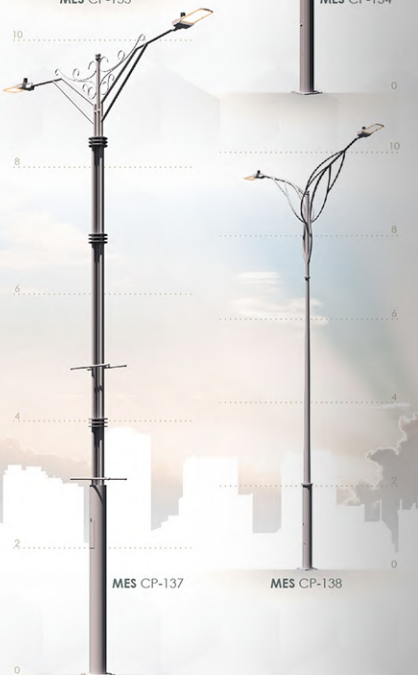
Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES CP-133

MES CP-134



MES CP-135

MES CP-136

MES CP-137

MES CP-138



MES CP-139

MES CP-140

MES CP-141

MES CP-142



MES CP-143

MES CP-144

MES CP-145

MES CP-146

DECORATIVE LIGHTING POLE

by Mestron®

Option & Accessories

- Height from 6M ~ 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

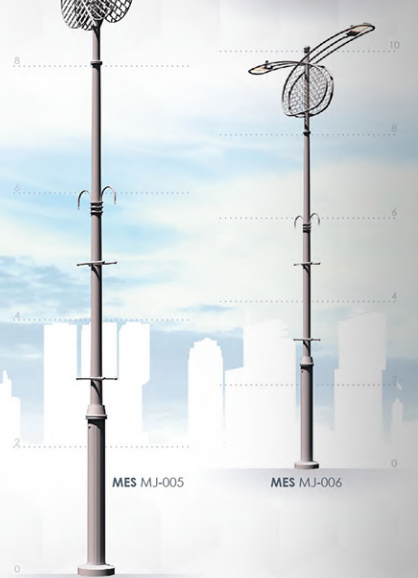
Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES MJ-001 MES MJ-002



MES MJ-005 MES MJ-006



MES MJ-003 MES MJ-004



MES MJ-007 MES MJ-008 MES MJ-009



MES MJ-010 MES MJ-011 MES MJ-012 MES MJ-013

DECORATIVE LIGHTING POLE

by Mestron®

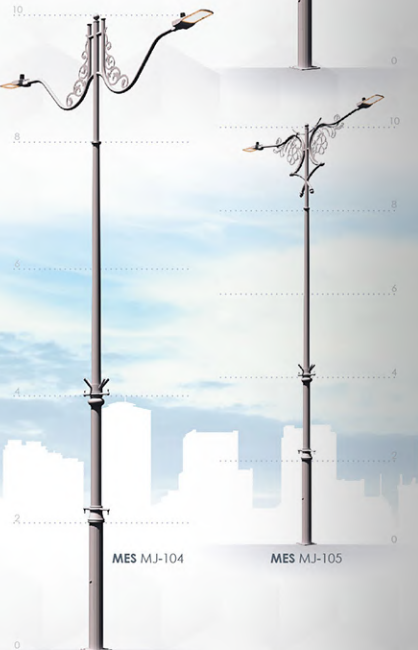
Option & Accessories

- Height from 6M ~ 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



DECORATIVE LIGHTING POLE

by Mestron®

Option & Accessories

- Height from 6M ~ 12M
- Customize design to suit theme
- Custom color finishing
- Flag holder
- Retractable banner holder
- Fiberglass service door
- Anchor bolts base cover

Product Application

Applicable for public/private roads, highways, residential areas, pedestrian walkways, and others.

Standard Colors



MES MJ-114

MES MJ-115



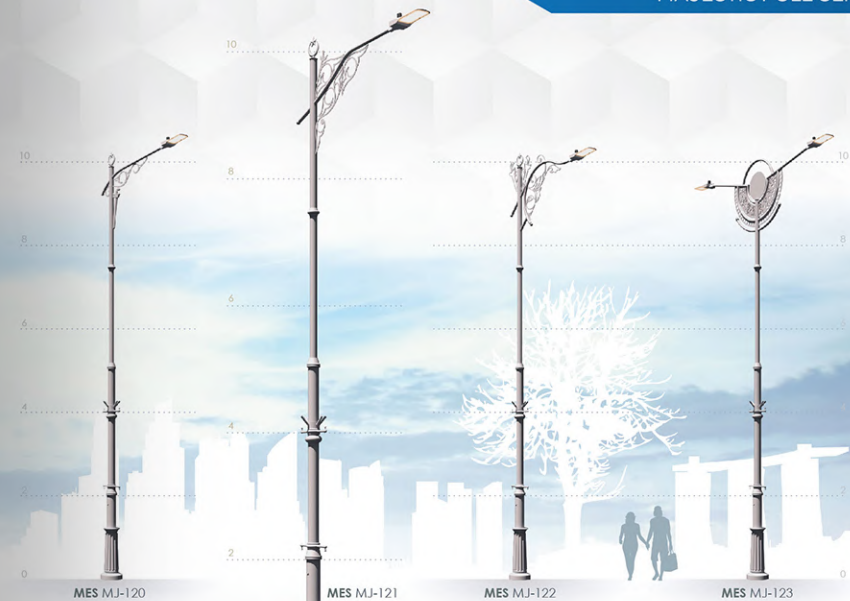
MES MJ-116

MES MJ-117



MES MJ-118

MES MJ-119



MES MJ-120

MES MJ-121

MES MJ-122

MES MJ-123



MES MJ-124

MES MJ-125

COMPOUND LIGHTING

by Mestron®

COMPOUND LIGHTING

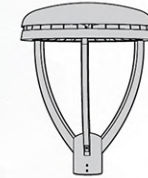
Product List



MES CL-1001
p53



MES CL-1002
p54



MES CL-1003
p55



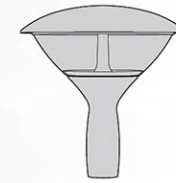
MES CL-1004
p56



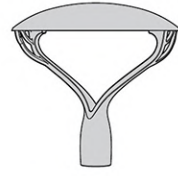
MES CL-1005
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MES CL-1006
p58



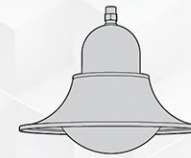
MES CL-1007
p59



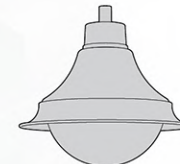
MES CL-1008
p60



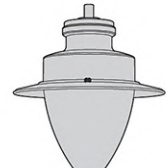
MES CL-1009
p61



MES CL-1010
p62



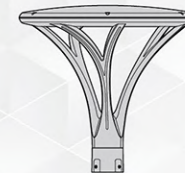
MES CL-1011
p63



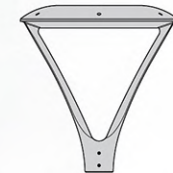
MES CL-1012
p64



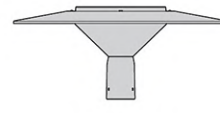
MES CL-1013
p65



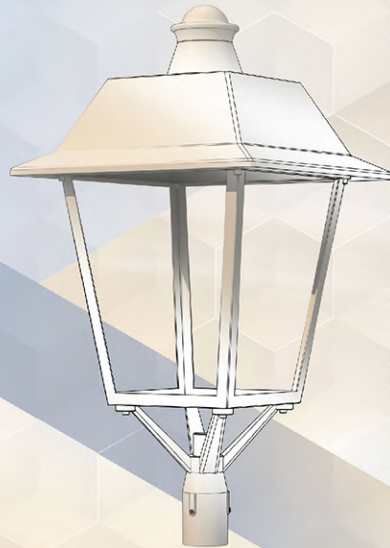
MES CL-1014
p66



MES CL-1015
p67



MES CL-1016
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COMPOUND LIGHTING

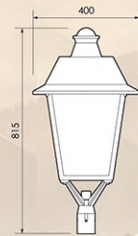
by Mestron®

BASILIA MES CL-1001

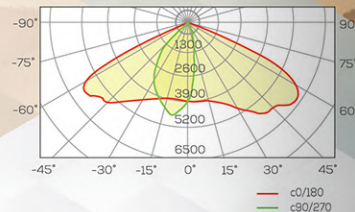
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I					
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor
MES CL-1001	60W	≥6300lm	CREE/OSRAM	MW/Inventronics	>0.9
					CCT
					3000K-6500K
					CRI
					>70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot	
-40°C to 60°C	50,000 hours	Die-cast Aluminium	6.0 kg	76mm	

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



COMPOUND LIGHTING

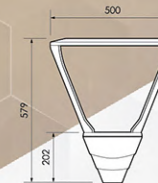
by Mestron®

CALLYSA MES CL-1002

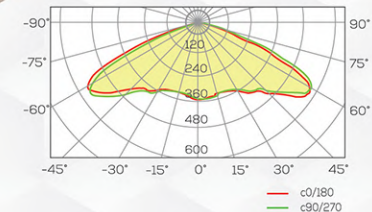
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I					
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor
MES CL-1002	60W	6300lm	CREE/OSRAM	MW/Inventronics	>0.9
					CCT
					3000K-6500K
					CRI
					>70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot	
-40°C to 60°C	50,000 hours	Die-cast Aluminium	11.0 kg	60mm	

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



COMPOUND LIGHTING

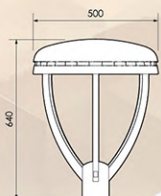
by Mestron®

ELORA MES CL-1003

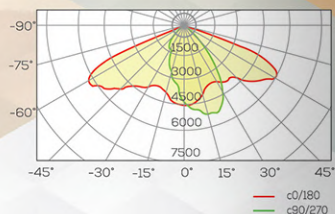
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I					
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor CCT CRI
MES CL-1003	60W	≥6300lm	CREE/OSRAM	MW/Inventronics	>0.9 3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot	
-40°C to 60°C	50,000 hours	Die-cast Aluminium	9.7 kg	76mm	

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



COMPOUND LIGHTING

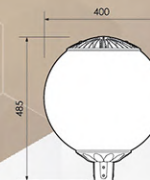
by Mestron®

CANDIDA MES CL-1004

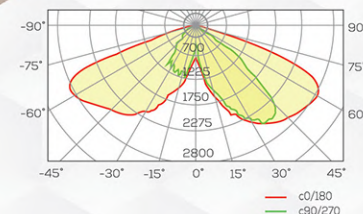
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I					
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor CCT CRI
MES CL-1004	30W	3240lm	Philips	MW/Inventronics	>0.9 3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot	
-40°C to 60°C	50,000 hours	Die-cast Aluminium	4.2 kg	60mm	

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



COMPOUND LIGHTING

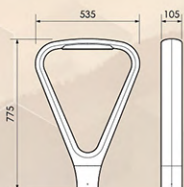
by Mestron®

MOLISE MES CL-1005

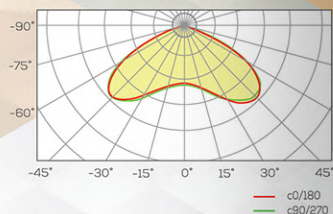
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT CRI
MES CL-1005	60W 80W	6600-7200lm 8800-9600lm	CREE/OSRAM/ Philips	MW/Inventronics	>0.9	3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	13.5 kg	60/76mm		

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



COMPOUND LIGHTING

by Mestron®

VERONICA MES CL-1006

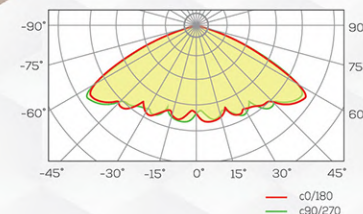
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

180-270VAC 50/60 Hz IP66/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Beam Angle	Power Factor	CCT CRI
MES CL-1006	30W 60W	1480-1550lm 3020-3170lm	LED	150x150°	>0.9	3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	5.7 kg 5.9 kg	89mm		

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



COMPOUND LIGHTING

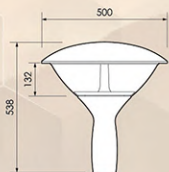
by Mestron®

LASSO MES CL-1007

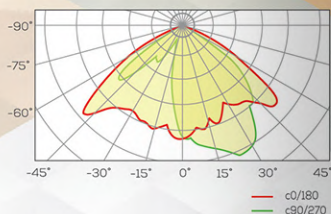
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

180-270VAC 50/60 Hz IP66/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Beam Angle	Power Factor	CCT CRI
MES CL-1007	30W 60W 90W	≥2320lm ≥4620lm ≥7390lm	LED	150x150°	>0.9	3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	5.7 kg 5.9 kg 7.1 kg	89mm		

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



COMPOUND LIGHTING

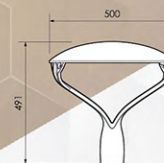
by Mestron®

VIENTO MES CL-1008

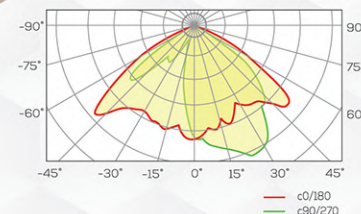
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

180-270VAC 50/60 Hz IP66/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Beam Angle	Power Factor	CCT CRI
MES CL-1008	30W 60W 90W	≥2450lm ≥4950lm ≥7430lm	LED	150x150°	>0.9	3000K-6500K >70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	6.3 kg 6.6 kg 6.8 kg	89mm		

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



COMPOUND LIGHTING

by Mestron®

VENIZIA MES CL-1009

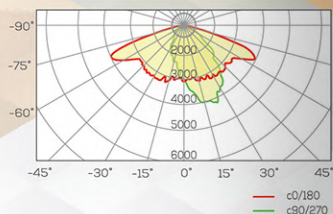
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP66/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT CRI
MES CL-1009	30W	≥3300lm	Philips	MW/OSRAM/Philips	>0.9	3000K-6000K >70
	60W	≥6432lm				
	80W	≥8876lm				
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	11.0 kg 12.0 kg 13.0 kg	76mm		

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



COMPOUND LIGHTING

by Mestron®

CARISSA MES CL-1010

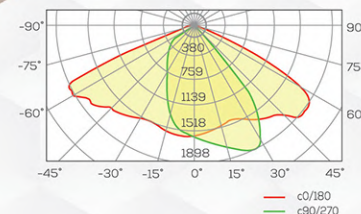
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz IP65/IK08 CLASS I						
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT CRI
MES CL-1010	30W	≥3150lm	OSRAM/Philips	MW/Inventronics	>0.9	3000K-6500K >70
	60W	≥6300lm				
	90W	≥9450lm				
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot		
-40°C to 60°C	50,000 hours	Die-cast Aluminium	7.5 kg	32mm		

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



COMPOUND LIGHTING

by Mestron®

MILANO MES CL-1011

Features

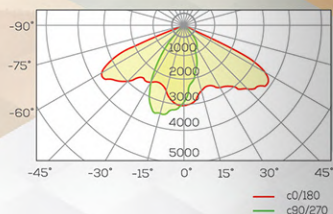
- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.



Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz | IP65/IK08 | CLASS I

Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1011	30W 60W 90W	≥2700lm ≥5400lm ≥8100lm	OSRAM/Philips	MW/Inventronics	>0.9	3000K-6500K	>70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-40°C to 60°C	50,000 hours	Die-cast Aluminium	12.0 kg 12.5 kg 13.0 kg	32mm			

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



COMPOUND LIGHTING

by Mestron®

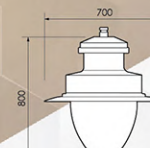
STRAWBERRY MES CL-1012

Features

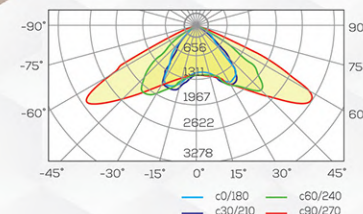
- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.



Dimension



Photometric Data



Luminaire Specifications

110-277VAC 50/60 Hz | IP65/IK08 | CLASS I

Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1012	30W 60W 90W	≥2700lm ≥5400lm ≥8100lm	OSRAM/Philips	MW/Inventronics	>0.9	3000K-6500K	>70
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-40°C to 60°C	50,000 hours	Die-cast Aluminium	12.0 kg	32mm			

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



COMPOUND LIGHTING

by Mestron®

DIAMENTE MES CL-1013

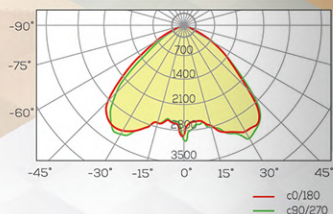
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

100-240VAC 50/60 Hz IP66/IK08 CLASS I							
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1013	30W	≥2865lm	OSRAM/CREE	MW/OSRAM/Sosen	>0.9	3000K-6000K	>80
	60W	≥5744lm					
	80W	≥8565lm					
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-35°C to 50°C	50,000 hours	Die-cast Aluminium	8.5 kg 8.7 kg 8.7 kg	60mm/76mm			

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



COMPOUND LIGHTING

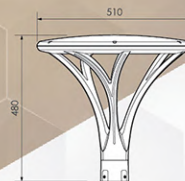
by Mestron®

ELISE MES CL-1014

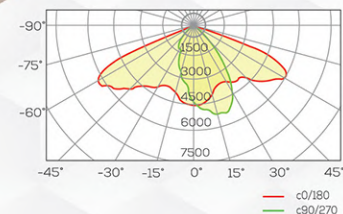
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

100-270VAC 50/60 Hz IP65/IK08 CLASS I							
Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1014	35W	≥3696lm	OSRAM/CREE	MW/OSRAM/Sosen	>0.9	3000K-6000K	>80
	60W	≥6336lm					
	100W	≥10500lm					
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-35°C to 50°C	50,000 hours	Die-cast Aluminium	>8.0kg	60mm/76mm			

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



COMPOUND LIGHTING

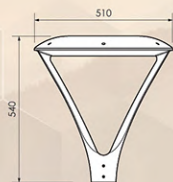
by Mestron®

AESTER MES CL-1015

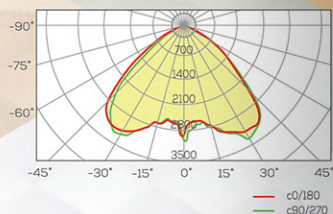
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

100-240VAC 50/60 Hz | IP66/IK08 | CLASS I

Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1015	30W 60W 80W	≥2877lm ≥5439lm ≥8564lm	OSRAM/CREE	MW/OSRAM/Sosen	>0.9	3000K-6000K	>80
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-35°C to 50°C	50,000 hours	Die-cast Aluminium	8.1 kg 8.3 kg 8.4 kg	60mm/76mm			

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



COMPOUND LIGHTING

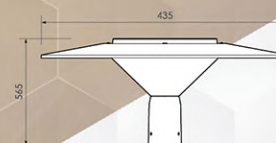
by Mestron®

AEGES MES CL-1016

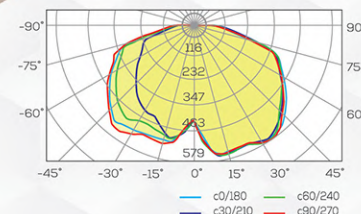
Features

- Designed with excellent downward symmetrical light distribution
- Optical system gives very low glare rating, while reducing light pollution.
- Die-cast aluminum housing with high corrosion resistance
- Finished with high quality powder coated paint
- Stainless steel locking screws.
- Durable silicone rubber gasket
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed for lighting of entrances, footpaths and car parks.

Dimension



Photometric Data



Luminaire Specifications

100-240VAC 50/60 Hz | IP65/IK08 | CLASS I

Product Code	Wattage	Total Lumen	Chip Brand	Driver Brand	Power Factor	CCT	CRI
MES CL-1015	30W	≥3025lm	Lumileds	MW/OSRAM/MOSO	>0.9	3000K-6000K	>80
Working Temperature	Life Span (Hours)	Material	Net Weight	Installation Spigot			
-35°C to 50°C	50,000 hours	Die-cast Aluminium	4.2 kg	60mm/76mm			

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



BOLLARD

LIGHTING

by Mestron®

Product List



MES BL-1001
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MES BL-1002
p71



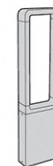
MES BL-1003
p72



MES BL-1004
p72



MES BL-1005
p73



MES BL-1006
p73



MES BL-1007
p74



MES BL-1008
p74



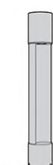
MES BL-1009
p75



MES BL-1010
p75



MES BL-1011
p76



MES BL-1012
p76



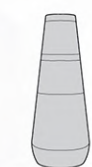
MES BL-1013
p77



MES BL-1014
p77



MES BL-1015
p78



MES BL-1016
p78



MES BL-1017
p79



MES BL-1018
p79



MES BL-1019
p80



MES BL-1020
p80



MES BL-1021
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MES BL-1022
p81



MES BL-1023
p82



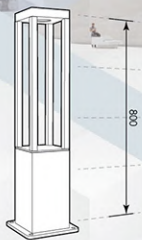
MES BL-1024
p82

BOLLARD LIGHTING

by Mestron®



MES BL-1001



MES BL-1002



Technical Specifications

Product Code	MES BL-1001
Input Power	85-265V, 50/60Hz
Wattage	12W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	800 x 210(Base)

Product Application

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



Standard Colors



Technical Specifications

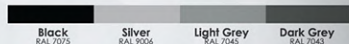
Product Code	MES BL-1002
Input Power	85-265V, 50/60Hz
Wattage	12W 24W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	800 x 200

Product Application

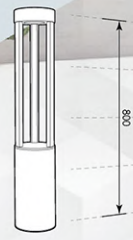
Applicable for pedestrian walkway, car park, garden lighting, lawn lighting and others.



Standard Colors



MES BL-1003



Technical Specifications

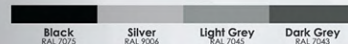
Product Code	MES BL-1003
Input Power	85-265V, 50/60Hz
Wattage	12W 24W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	800 x ø200

Product Application

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



Standard Colors

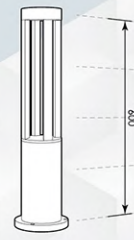


BOLLARD LIGHTING

by Mestron®



MES BL-1004



Technical Specifications

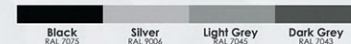
Product Code	MES BL-1004
Input Power	85-265V, 50/60Hz
Wattage	7W 10W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x ø149(Base)

Product Application

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



Standard Colors

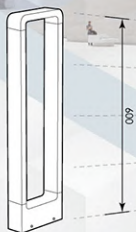


BOLLARD LIGHTING

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MES BL-1005



MES BL-1006



Technical Specifications

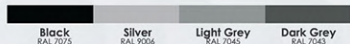
Product Code	MES BL-1005
Input Power	85-265V, 50/60Hz
Wattage	7W 10W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 163

Product Application

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



Standard Colors



Technical Specifications

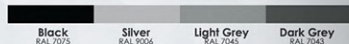
Product Code	MES BL-1006
Input Power	85-265V, 50/60Hz
Wattage	12W 24W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 163

Product Application

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



Standard Colors



BOLLARD LIGHTING

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MES BL-1007



MES BL-1008



Technical Specifications

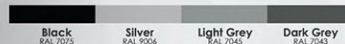
Product Code	MES BL-1007
Input Power	85-265V, 50/60Hz
Wattage	12W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	SMD 2835
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x ø120(Base)

Product Application

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



Standard Colors



Technical Specifications

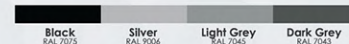
Product Code	MES BL-1008
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 111

Product Application

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



Standard Colors



BOLLARD LIGHTING

by Mestron®



MES BL-1009



MES BL-1010



Technical Specifications

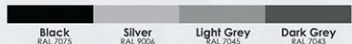
Product Code	MES BL-1009
Input Power	100-265V, 50/60Hz
Wattage	7W ~ 15W
Lumen Efficacy	90~110lm/W
Power Factor	≥0.9
Light Source	PLCE / E27 LED Bulb
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	790 x 225(Base)

Product Application

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



Standard Colors

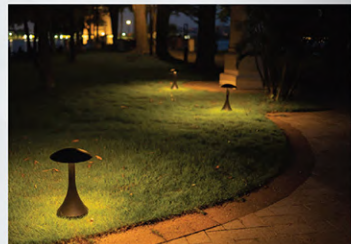


Technical Specifications

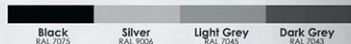
Product Code	MES BL-1010
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90~110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	500 x ø300

Product Application

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



Standard Colors



BOLLARD LIGHTING

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MES BL-1011



MES BL-1012

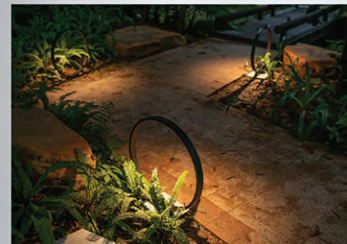


Technical Specifications

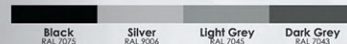
Product Code	MES BL-1011
Input Power	100-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90~110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 200(Base)

Product Application

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



Standard Colors



Technical Specifications

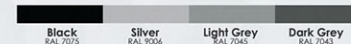
Product Code	MES BL-1012
Input Power	100-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90~110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x ø90

Product Application

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



Standard Colors

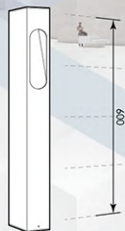


BOLLARD LIGHTING

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MES BL-1013



MES BL-1014



MES BL-1015



MES BL-1016

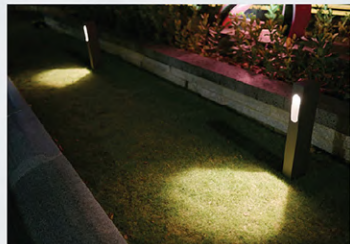


Technical Specifications

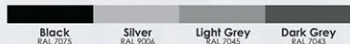
Product Code	MES BL-1013
Input Power	100-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 116

Product Application

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



Standard Colors



Technical Specifications

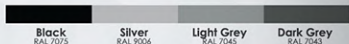
Product Code	MES BL-1014
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	460 x ø170

Product Application

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



Standard Colors

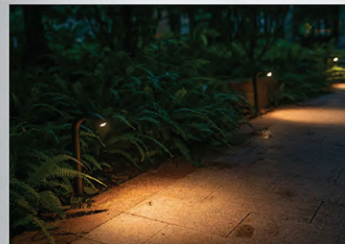


Technical Specifications

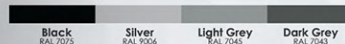
Product Code	MES BL-1015
Input Power	100-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x ø90(Base)

Product Application

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



Standard Colors



BOLLARD LIGHTING

by Mestron®



Technical Specifications

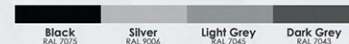
Product Code	MES BL-1016
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	≥0.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	380 x ø125(Base)

Product Application

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



Standard Colors



BOLLARD LIGHTING

by Mestron®



MES BL-1017



MES BL-1018



Technical Specifications

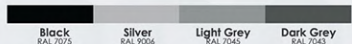
Product Code	MES BL-1017
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	500 x 180(Base)

Product Application

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



Standard Colors

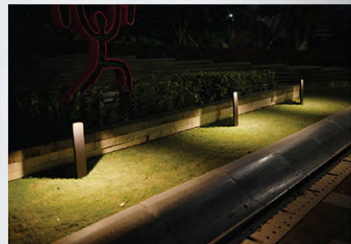


Technical Specifications

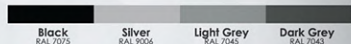
Product Code	MES BL-1018
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 100(Base)

Product Application

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



Standard Colors



BOLLARD LIGHTING

by Mestron®



MES BL-1019



MES BL-1020



Technical Specifications

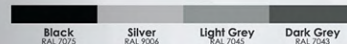
Product Code	MES BL-1019
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 100

Product Application

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



Standard Colors



Technical Specifications

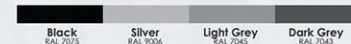
Product Code	MES BL-1020
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x ø164

Product Application

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



Standard Colors

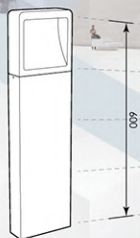


BOLLARD LIGHTING

by Mestron®



MES BL-1020



MES BL-1021

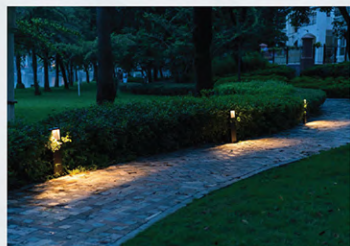


Technical Specifications

Product Code	MES BL-1020
Input Power	85-265V, 50/60Hz
Wattage	7W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	SMD 2835
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 160

Product Application

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



Standard Colors



Technical Specifications

Product Code	MES BL-1021
Input Power	85-265V, 50/60Hz
Wattage	5W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	SMD 2835
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	600 x 100

Product Application

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



Standard Colors



BOLLARD LIGHTING

by Mestron®



MES BL-1023

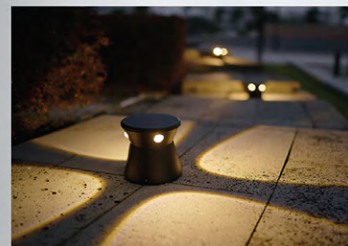


Technical Specifications

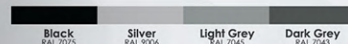
Product Code	MES BL-1023
Input Power	100-265V, 50/60Hz
Wattage	4 x 1W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	146 x ø149

Product Application

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



Standard Colors



MES BL-1024



Technical Specifications

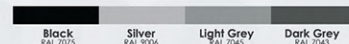
Product Code	MES BL-1024
Input Power	100-265V, 50/60Hz
Wattage	4W
Lumen Efficacy	90-110lm/W
Power Factor	20.9
Light Source	LED COB
Color Temperature	3000K/4000K/6500K
Protection Class	IP65
Insulation Class	Class II
Material	Aluminum
Dimension (mm)	760 x ø150

Product Application

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



Standard Colors



COLUMN LIGHTING

by Mestron®

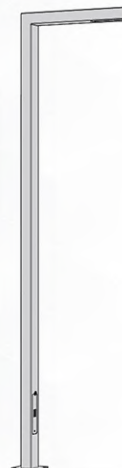
Product List



MES CL-1001
p85



MES CL-1002
p86



MES CL-1003
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MES CL-1004
p88



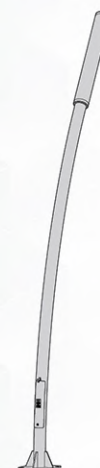
MES CL-1005
p89



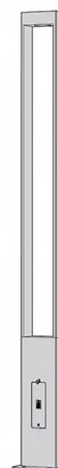
MES CL-1006
p90



MES CL-1007
p91



MES CL-1008
p92



MES CL-1009
p93



MES CL-1010
p94

COLUMN LIGHTING

by Mestron®

AMETHYST MES CL-1001

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

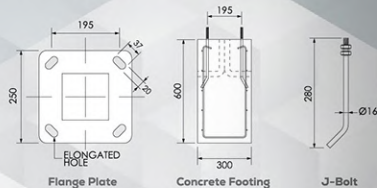
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1001	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



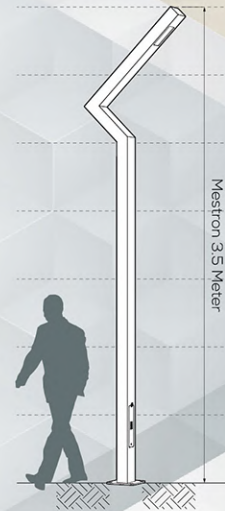
COLUMN LIGHTING

by Mestron®

AMMOLITE MES CL-1002

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

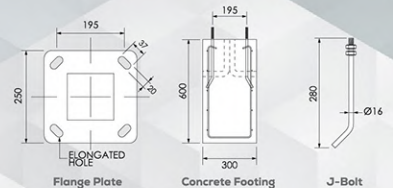
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1002	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



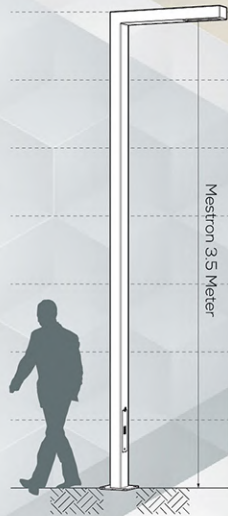
COLUMN LIGHTING

by Mestron®

AMBER MES CL-1003

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

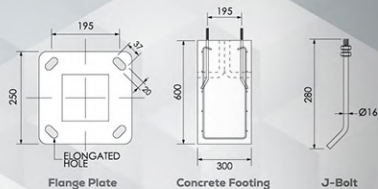
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1003	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



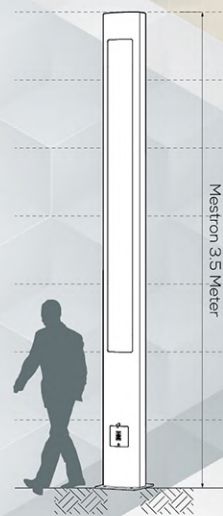
COLUMN LIGHTING

by Mestron®

AMETRINE MES CL-1004

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

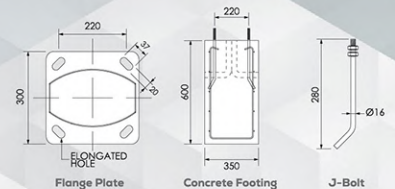
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1004	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



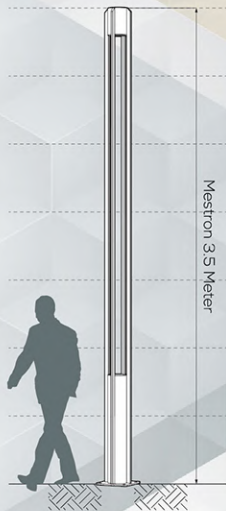
COLUMN LIGHTING

by Mestron®

ANDESINE MES CL-1005

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

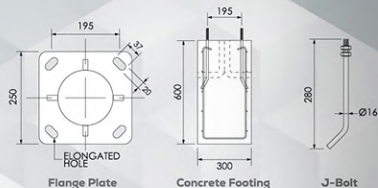
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1005	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



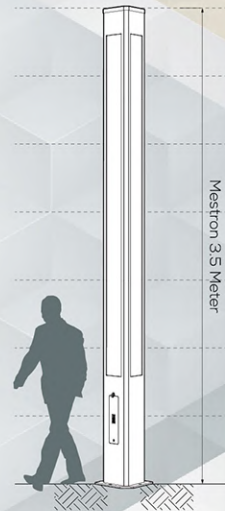
COLUMN LIGHTING

by Mestron®

AZURITE MES CL-1006

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

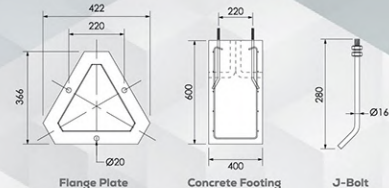
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1006	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



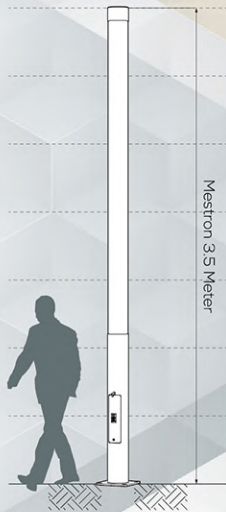
COLUMN LIGHTING

by Mestron®

AVENTURINE MES CL-1007

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

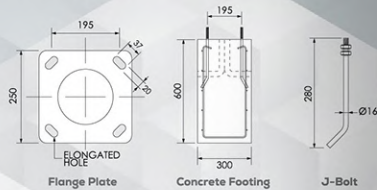
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1007	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



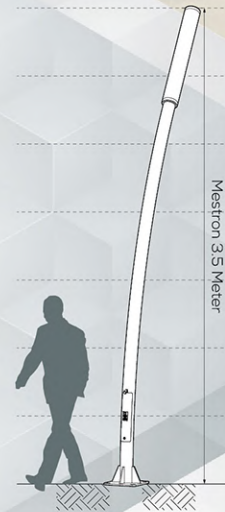
COLUMN LIGHTING

by Mestron®

APATITE MES CL-1008

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

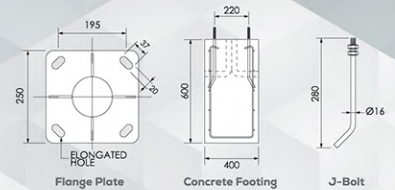
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1008	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



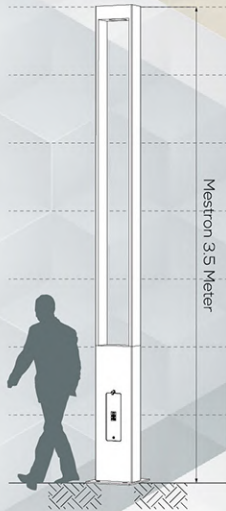
COLUMN LIGHTING

by Mestron®

AQUAMARINE MES CL-1009

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

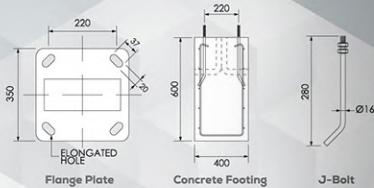
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1009	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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



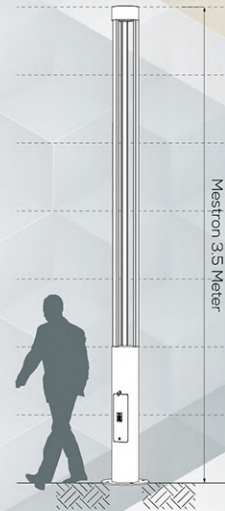
COLUMN LIGHTING

by Mestron®

ANDALUSITE MES CL-1010

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

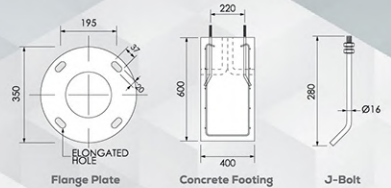
Dimension



Features

- Fully customizable light columns.
- Practical, elegant, efficient. Timeless modern design options
- Easy to maintain, robust and durable construction.
- Height customize from 3 meter to 6 meter.
- Finished with high quality powder coated paint.
- High quality stainless steel fastener.
- Durable silicone rubber gasket.
- Clear toughened glass diffuser.
- LED with long life, limited maintenance and constant lifetime performance.
- Designed to illuminating the parks, gardens, pedestrian pathways, lawns, driveways and etc.

Footing Details



Luminaire Specifications

110-277VAC 50/60 Hz IP65 CLASS 1					
Product Code	Wattage	Lumen	Chip Brand	Driver Brand	Power Factor
MES CM-1010	30W-60W	110-130lm/W	CREE/OSRAM	MW/Inventronics	>0.9
CCT	CRI	Working Temperature	Life Span (Hours)	Material	
3000K-6500K	>70/80	-40°C to 60°C	50,000 hours	Mild Steel Plate	

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





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TELECOMMUNICATION
SECTION

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SECTION



TELECOMMUNICATION MONOPOLE & TOWER

by Mestron®

TELECOMMUNICATION MONOPOLE & TOWER

Product List



5G Monopole
p100

Lattice Tower
p101

SMART Monopole
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Camouflage Monopole
p103

Telecommunication Monopole
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TECHNICAL SPECIFICATION

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 / S5400 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 & TOWER

by Mestron®

TELECOMMUNICATION MONOPOLE & TOWER

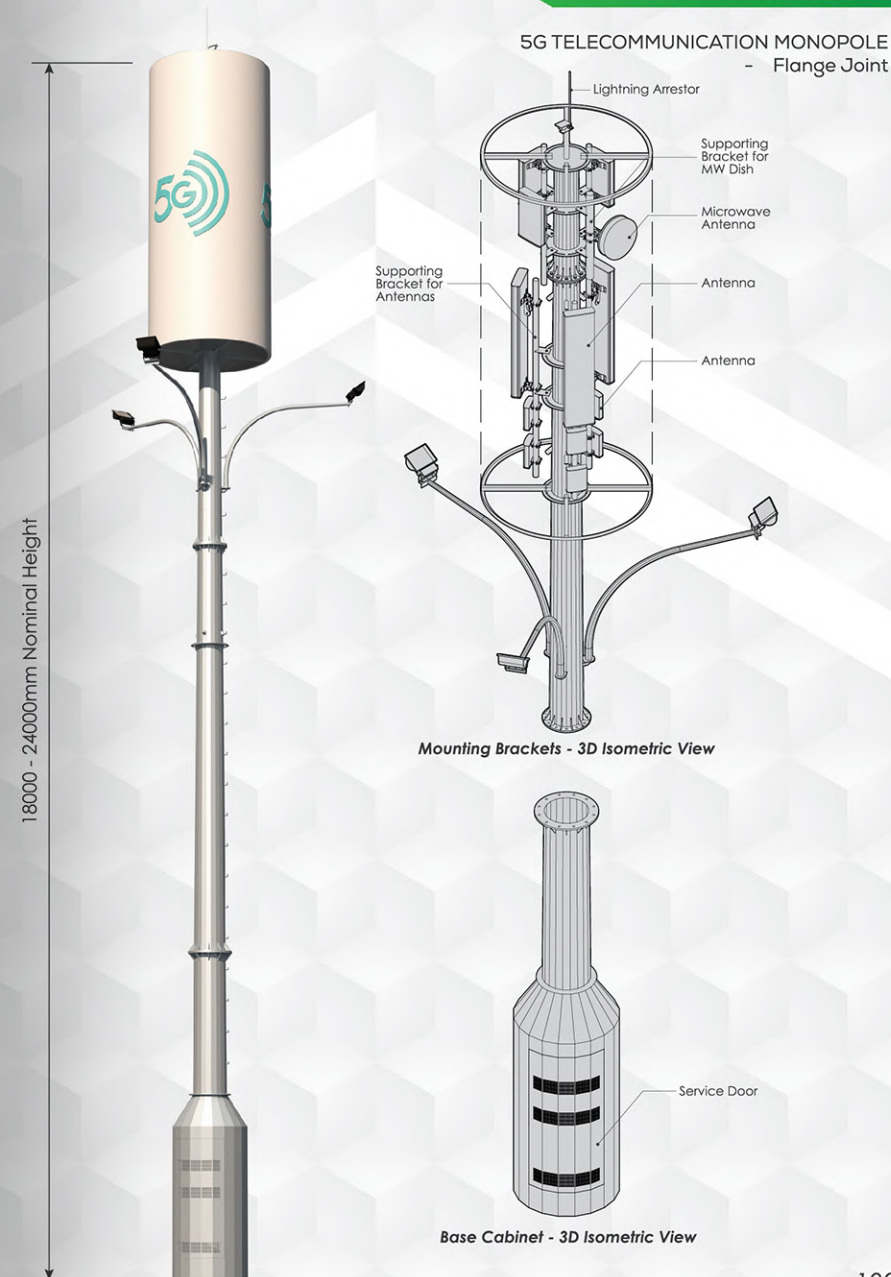
Telecommunication Monopole are customized to suit telecommunication equipments. It has a smaller footprint making it ideal for high density area with space constrain. Commonly consists of a main pole shaft with optional working platform at the top to cater for the installation and maintenance of panel and dish antenna.

The Telecommunication Lattice towers are made up of a framework of interconnected metal elements. They are lightweight, cost-effective, and suitable for various applications, including broadcasting and cellular networks.

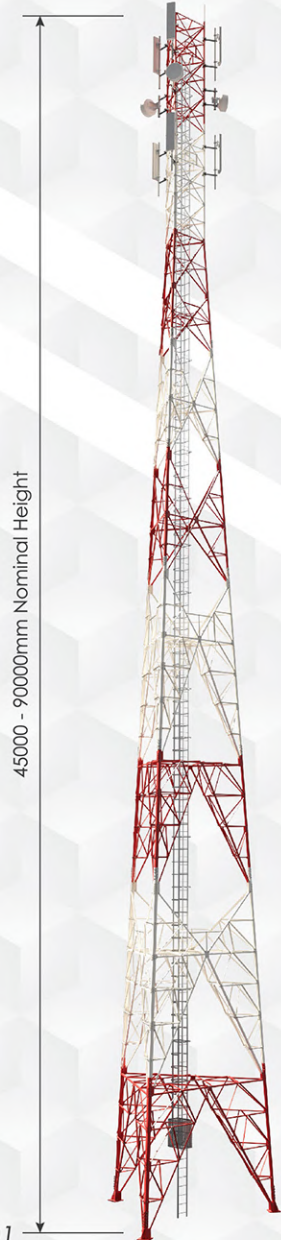
OPTION AND ACCESSORIES

- Height from 5M - 45M (Monopole), 45M - 90M (Lattice Tower)
- Flange Joint or Telescopic Overlapping Joint for monopole
- 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

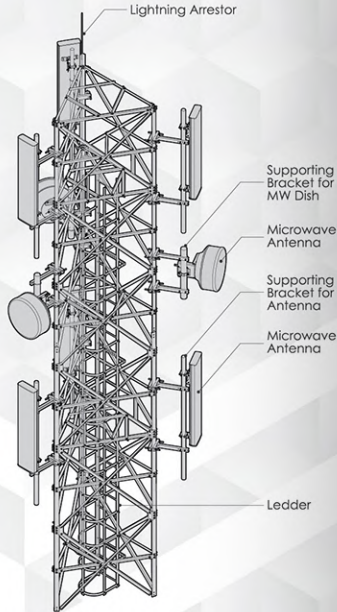
5G TELECOMMUNICATION MONOPOLE - Flange Joint



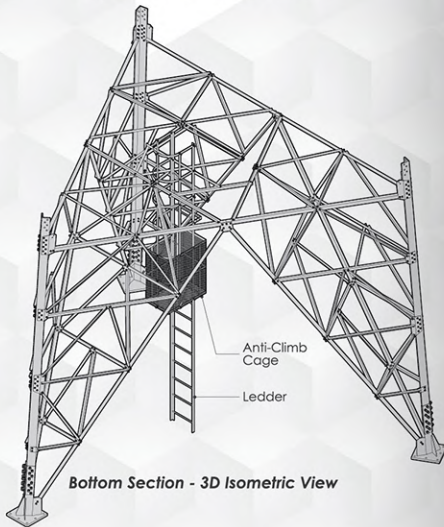
3-LEGGED TELECOMMUNICATION LATTICE TOWER



45000 - 90000mm Nominal Height



Top Section - 3D Isometric View

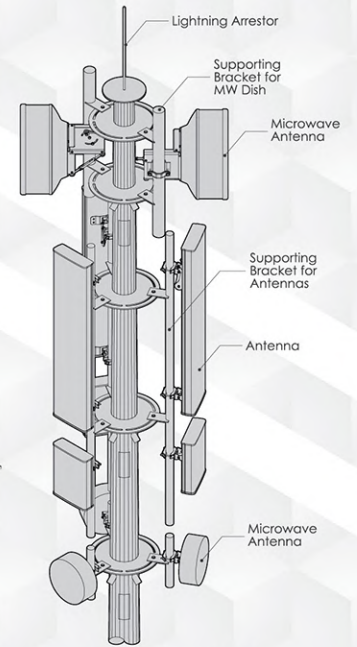


Bottom Section - 3D Isometric View

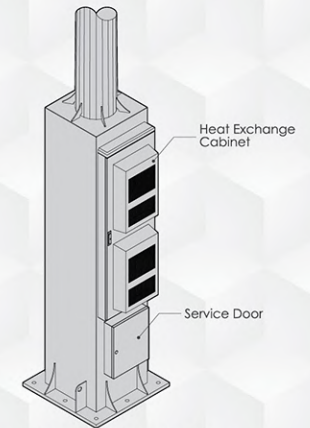
SMART TELECOMMUNICATION MONOPOLE
- Telescopic Joint



18000 - 24000mm Nominal Height

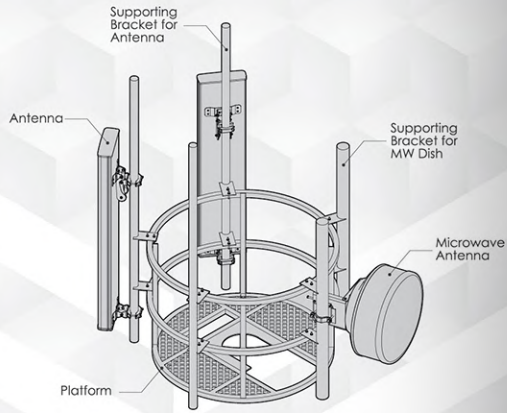


Mounting Brackets - 3D Isometric View

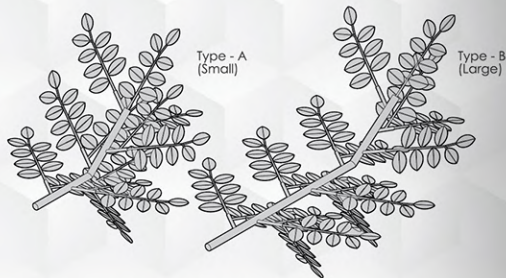


Base Cabinet - 3D Isometric View

CAMOUFLAGED TELECOMMUNICATION MONOPOLE
 - Artificial Branches & Leaves, Flange Joint

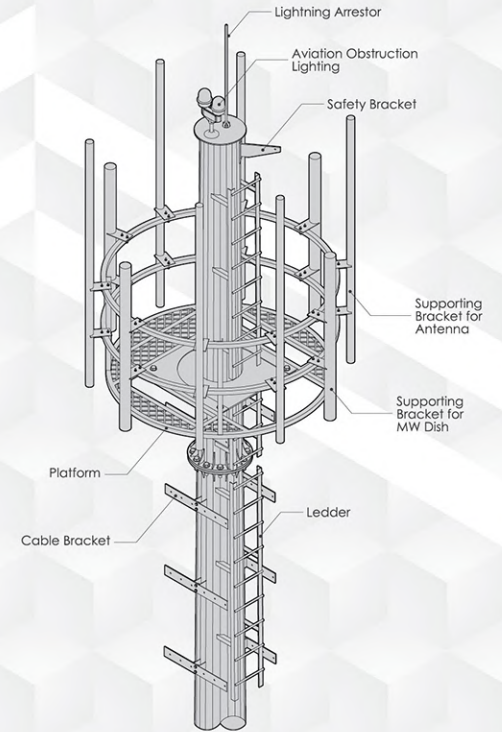
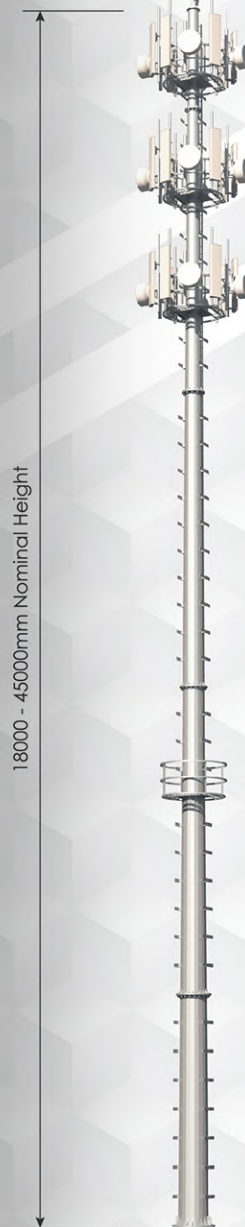


Platform - 3D Isometric View

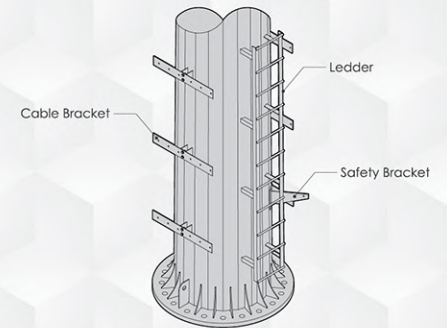


Artificial Branches & Leaves

TELECOMMUNICATION MONOPOLE
 - Flange Joint



Platform - 3D Isometric View

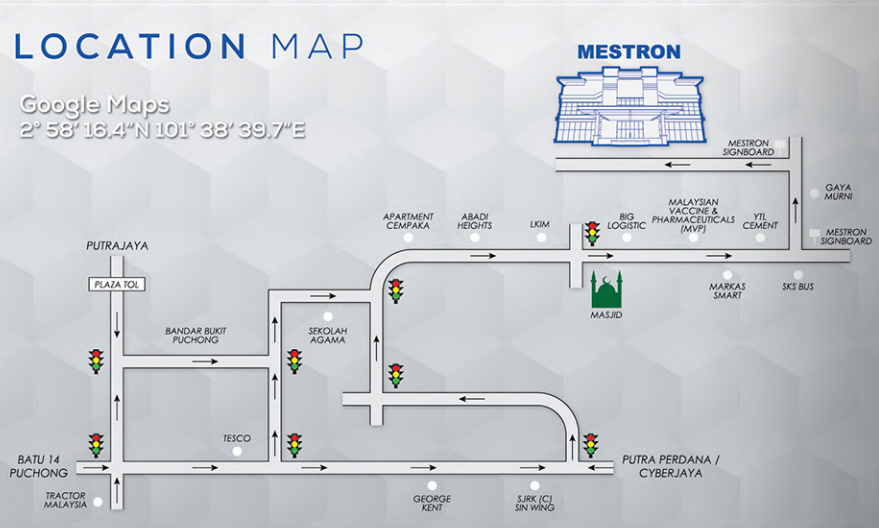


Base - 3D Isometric View

NOTES

LOCATION MAP

Google Maps
2° 58' 16.4"N 101° 38' 39.7"E



#ThePoleMaker