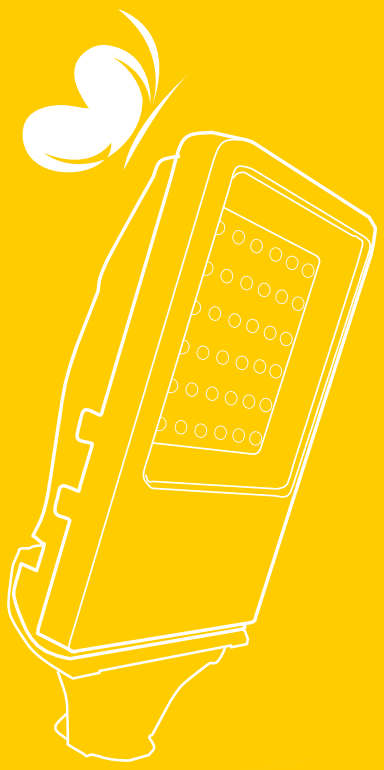


MERAK Street Light

APPLICATION

Ideal for collector roads, local roads, commercial and Industrial complexes, driveway, open areas, public squares, parks and playgrounds, factories, airports

FEATURES

Merak family Fixture designed for Harsh and hot environments.

High Power saving fixture.

Modularity Design: Each led module can be replaced separately.

Aluminium heat dissipate on module has surface anodic oxidation process to make It very res stint and anti-aging fixture.

Aluminium heat dissipate on module has surface anodic oxidation process to make It very res stint and anti-aging fixture.

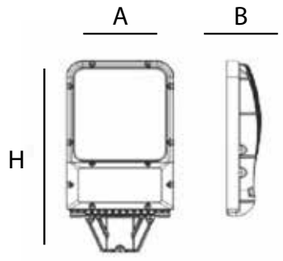
The Drivers included and its IP65 and PF>0.9.

Dimmable option available with different control options.

Merak
Street Light

FEATURES

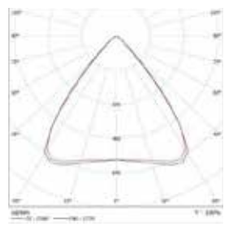
- Fixture designed for Harsh and hot environments.
- High lumen output.
- Power saving: as it replace the Sodium, metal halide so it save between 50% to 75% of the consumed power.
- Unlimited numbers of on/off switching cycles.
- Aluminum heat dissipation module has surface anodic oxidation process to make it very resistant and anti-aging fixture
- Over temperature protection, Overload protection, Short-circuit protection, and No-load protection.
- The Driver is included and it is IP66, and PF>0.9.
- Dimmable option available with different control options Long life 50000 Hours.
- Up to five years warranty.



PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-50W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	50W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	42000 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

BEAM ANGLE



PRODUCT APPLICATION

Local Roads, Commercial and industrial complexes, Open Areas, Public Squares, Parks and Playgrounds, Factories etc..

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-50W-XX-SMD-T	190	290	55

Order Code	Color Temperature	LED Power
MER-ST-50W-3000-SMD-T	3000K	50W
MER-ST-50W-4000-SMD-T	4000K	50W
MER-ST-50W-5700-SMD-T	5700K	50W

Merak
Street Light

FEATURES

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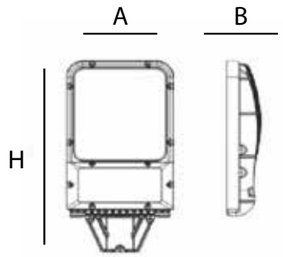
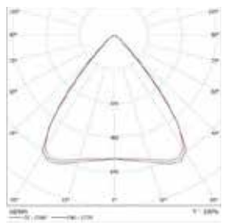


PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-100W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	100W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	15000 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

BEAM ANGLE



PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-100W-XX-SMD-T	235	415	90

Order Code	Color Temperature	LED Power
MER-ST-100W-3000-SMD-T	3000K	100W
MER-ST-100W-4000-SMD-T	4000K	100W
MER-ST-100W-5700-SMD-T	5700K	100W

Merak Street Light

FEATURES

- Fixture designed for Harsh and hot environments.
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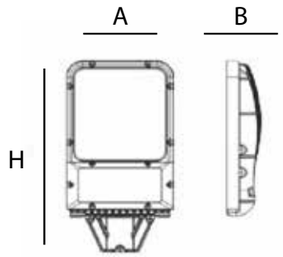
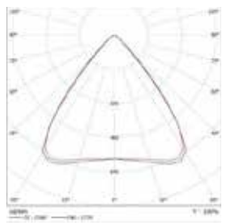
- Unlimited numbers of on/off switching cycles.
- Aluminum heat dissipation module has surface anodic oxidation process to make it very resistant and anti-aging fixture
- Over temperature protection, Overload protection, Short-circuit protection, and No-load protection.
- The Driver is included and it is IP66, and PF>0.9.
- Dimmable option available with different control options Long life 50000 Hours.
- Up to five years warranty.



PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-150W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	150W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	22500 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

BEAM ANGLE



PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-150W-XX-SMD-T	315	555	95

Order Code	Color Temperature	LED Power
MER-ST-150W-3000-SMD-T	3000K	150W
MER-ST-150W-4000-SMD-T	4000K	150W
MER-ST-150W-5700-SMD-T	5700K	150W

Merak Street Light

FEATURES

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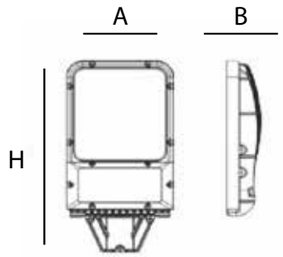
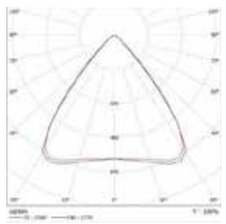
- Unlimited numbers of on/off switching cycles.
- Aluminum heat dissipation module has surface anodic oxidation process to make it very resistant and anti-aging fixture
- Over temperature protection, Overload protection, Short-circuit protection, and No-load protection.
- The Driver is included and it is IP66, and PF>0.9.
- Dimmable option available with different control options Long life 50000 Hours.
- Up to five years warranty.



PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-200W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	200W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	30000 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

BEAM ANGLE



PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-200W-XX-SMD-T	310	555	95

Order Code	Color Temperature	LED Power
MER-ST-200W-3000-SMD-T	3000K	200W
MER-ST-200W-4000-SMD-T	4000K	200W
MER-ST-200W-5700-SMD-T	5700K	200W

Merak
Street Light

FEATURES

- Fixture designed for Harsh and hot environments.
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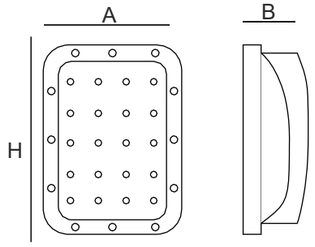
- Up to five years warranty.



PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-250W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	250W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	37500 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

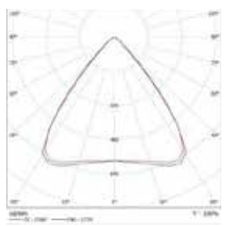
BEAM ANGLE

PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-250W-XX-SMD-T	305	370	140



Order Code	Color Temperature	LED Power
MER-ST-250W-3000-SMD-T	3000K	250W
MER-ST-250W-4000-SMD-T	4000K	250W
MER-ST-250W-5700-SMD-T	5700K	250W

Merak
Street Light

FEATURES

- Fixture designed for Harsh and hot environments.
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- Power saving: as it replace the Sodium, metal halide so it save between 50% to 75% of the consumed power.
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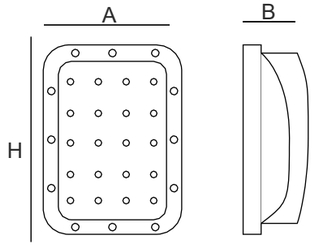
- The Driver is included and it is IP66, and PF>0.9.
- Dimmable option available with different control options Long life 50000 Hours.
- Up to five years warranty.



PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-280W-XX-SMD-T
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	280W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	42000 Lum
Correlated Color Temperature CCT	5700 / 4000 / 3000
Warranty	Up to 5 Years

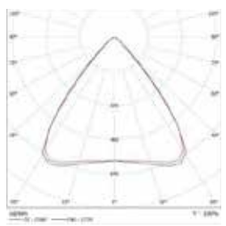
BEAM ANGLE

PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-280W-XX-SMD-T	305	370	140



Order Code	Color Temperature	LED Power
MER-ST-280W-3000-SMD-T	3000K	280W
MER-ST-280W-4000-SMD-T	4000K	280W
MER-ST-280W-5700-SMD-T	5700K	280W

Merak
Street Light

FEATURES

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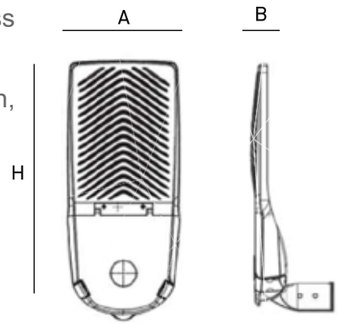


PRODUCT APPLICATION

Residential roads, Cycle path, Road under wet conditions, Street Lamp Mixed traffic street, secondary roads, Industrial roads, Green House, Factory Industrial Area, Football field, Car Park, Warehouse, General Lighting etc.

PRODUCT DIMENSION

Model	A mm	H mm	B mm
MER-ST-FAL-65/100/140/170-XX	290	530	100
MER-ST-FAL-200/240-XX	290	665	100

ADVANTAGES

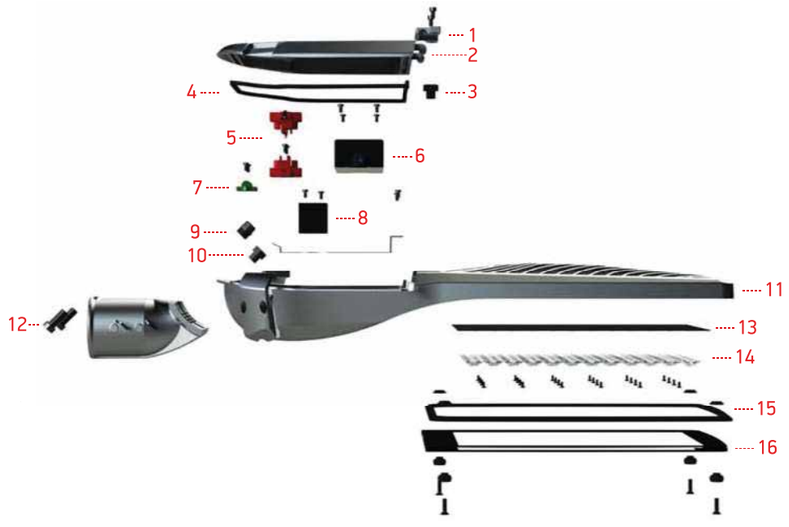
Level Meter
Ensures the fixture's parallel instalation to the surface.

Power Cut
Provides security by cutting of the luminaire's power while the lid is open.

Mounting Console
Pole console is suitable for mounting horizontally and vertically, ranging from -15 to +15 degrees.

No- Screw Lid
Tool-less and no-screw access to the driver's case.

EXPLODED VIEW

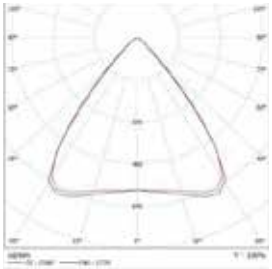


1 Driver Cover Hinge
2 Driver Cover
3 Ventilation Plug
4 Driver Cover Gasket
5 Power Cut
6 LED Driver
7 Level Meter
8 Surge Protector
9 Cable Gland
10 Ventilation Plug
11 Housing
12 Mounting Console
13 LED PCB
14 Lens
15 Glass Gasket
16 Front Glass

PRODUCT DETAILS

Family Name	Merak
Part Number	MER-ST-FAL-XX-XX
Materials	Aluminum, Pc and Eco- Friendly materials
Installation	With pole
Power	65W/100W/140W/170W/200W/240W
Color Rendering Index CRI	80%
Beam Angle	75 x 155°
Storage Temperature	- 40 - +85°C
IP Rating	IP66
Lifespan	50,000 Hours
Lumen/Watt	150 - 160 Lm/W
Input	220 VAC / 50- 60Hz
Power Factor Correction PFC	>.90
LEDs	SMD 3030, Philips / Nichia
Flux	9750 / 15,000 / 21000 / 25,500 / 30,000 / 36,000Lum
Correlated Color Temperature CCT	3000 / 4000 / 5700 / 6500
Warranty	Up to 5 Years

BEAM ANGLE



Order Code	Color Temperature	LED Power
MER-ST-FAL-65-XXXX	3000K / 4000K / 5700K / 6500K	65W
MER-ST-FAL-100-XXXX	3000K / 4000K / 5700K / 6500K	100W
MER-ST-FAL-140-XXXX	3000K / 4000K / 5700K / 6500K	140W
MER-ST-FAL-170-XXXX	3000K / 4000K / 5700K / 6500K	170W
MER-ST-FAL-200-XXXX	3000K / 4000K / 5700K / 6500K	200W
MER-ST-FAL-240-XXXX	3000K / 4000K / 5700K / 6500K	240W