



SINCE 1993

2018

Outdoor & Indoor Lighting
Product catalogue

Light up the world

www.oversealighting.com



Oversea Lighting & Electrical (M) Sdn Bhd celebrates over two decades of success and exponential growth as Malaysia's one stop total lighting solutions company. Since the company's inception in 1993 by founder Dato' S.K. Wong, Oversea Lighting (M) Sdn Bhd is the current market leader in Malaysia's lighting industry thanks to their team of specialists, technicians and employees. Based in a 110,000sq. ft. factory that also houses a dedicated R&D team, experimentations with the latest technology and innovations in materials, manufacturing as well as customizations allows the company to be a pioneer in a competitive industry.

The Company is also registered with local authorities, SME Corporation Malaysia, Ministry of International Trade and Industry of Malaysia, Ministry of Finance, Intellectual Property Corporation of Malaysia, Sirim QAS International Sdn Bhd, Ikram QA Services Sdn Bhd, JKR Electrical Material Approved List, Malaysian Brand Certification Scheme and Branding Association of Malaysia.

Our Vision

- To be a recognized trusted global brand in LED Lighting & Pole through continuous innovation.
- To be the primary growth driver for the expanding LED market regionally as well as internationally.

Our Mission

- Positioning the company for long term accomplishments in high performance LED lighting applications.
- Customized lighting to suit commercial and consumer needs.
- High valued experience for our partners and their customers.
- Creating profitable business partnerships with strong product pipeline and good sales momentum.
- Continuous development in training, developing and rewarding talents within the company.
- Maintaining the highest standards in manufacturing processes that is environmentally friendly.

Certifications

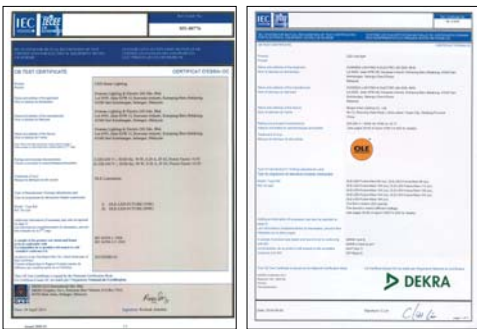
CE Certifications



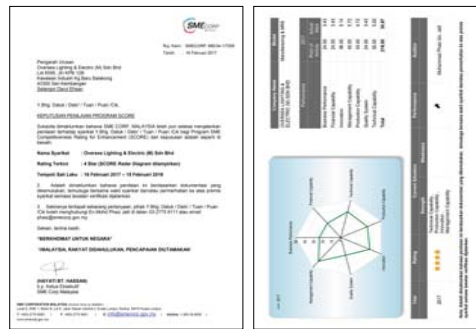
ISO certification



IEC Certifications



SME Corporation Malaysia Certifications



KKM MOF certification



Malaysian Brand certification



Construction Industry Development Board Malaysia (CIDM) Certifications



Ministry of international Trade and Industry (MITI) certification



Certifications

JKR EMAL Certifications



Approved Vendor for TNB (Tenaga Nasional Berhad)



SIRIM Certifications



SAA Approval for Australian Market



Green Label Certification



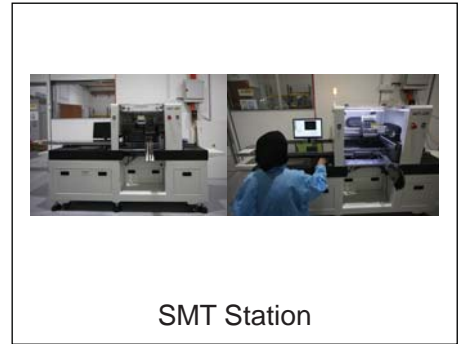
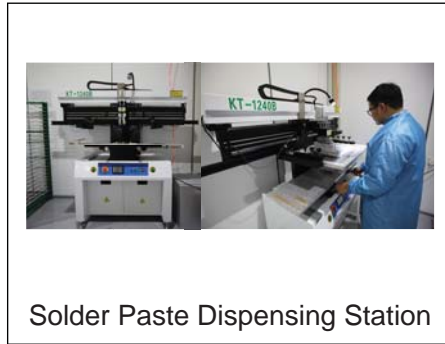
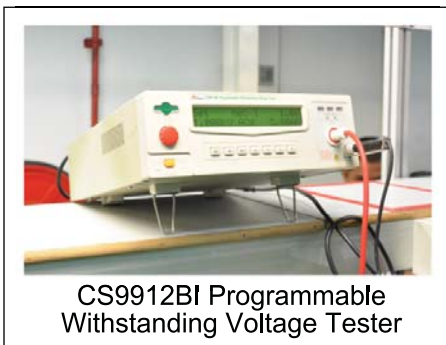
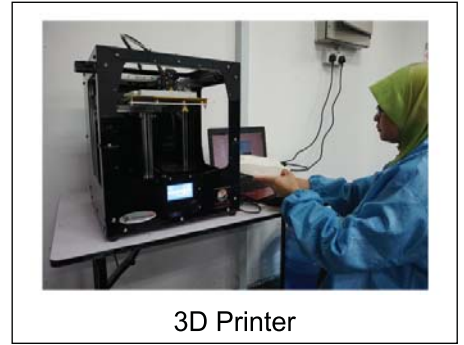
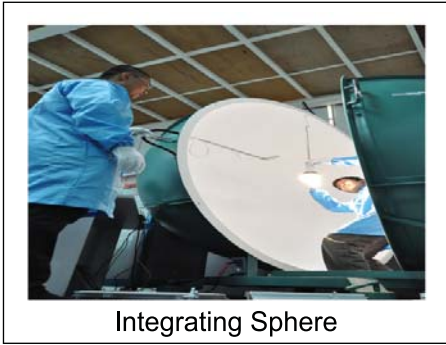
IKRAM QA Services Sdn Bhd Certification



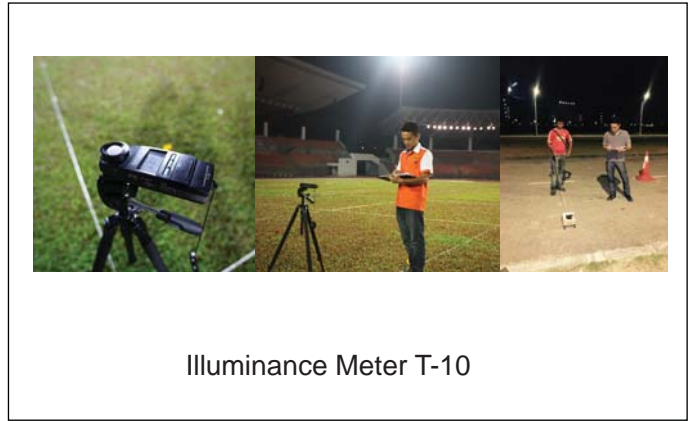
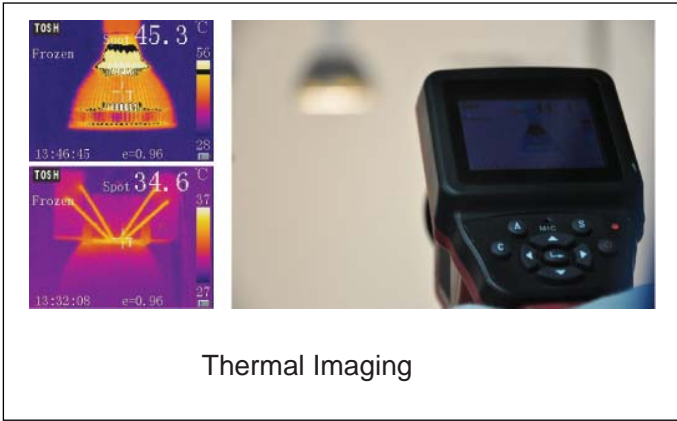
Trademark Certification



Research, Development and Testing
Facilities



Research, Development and Testing Facilities



Goniophotometer

OLE Photometric Laboratory was added to strengthen test and measurement capabilities. This demonstrates our commitment for continual development which strengthens our in-house capabilities for providing global markets with world-class products of the highest quality and modern design. IES and IGF files from the laboratory are being used widely by lighting designers.



STREET LIGHTING

OLE DURA MINI ST SERIES



Characteristics

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L80 @ 50,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

Advantages

- Low temperature electronics.
- All these features help to extend lamp life past 50,000 hours.
- Maximised saving in energy and maintenance costs.
- Installation bore diameter : Available in $\varnothing 28\text{mm}$ - $\varnothing 36\text{mm}$ and $\varnothing 42\text{mm}$ - $\varnothing 50\text{mm}$.
- Lighting Class - ME (other lighting class available upon request).

Material

Casing material	Pressure Casted Aluminum ADC12, Powder-Coated Finishing
Cover	Tempered Glass
Dimming	Support DALI, 1~10V (Optional)
NEMA Socket	Support NEMA (Optional)

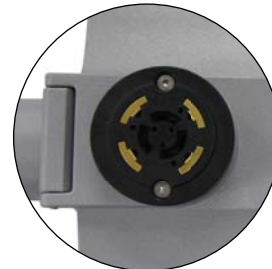
STREET LIGHTING

OLE DURA MINI ST SERIES

Construction of OLE DURA MINI ST



Smart control for dimming
NEMA socket : Support NEMA (optional)



Casing material
pressure casted aluminum ADC12,
powder-coated finishing

Interchangeable spigot



High transparency
tempered glass cover

IP66 protection
compartment



LED module
can be 6 to 24 LEDs



STREET LIGHTING

OLE DURA MINI ST SERIES (BASIC)

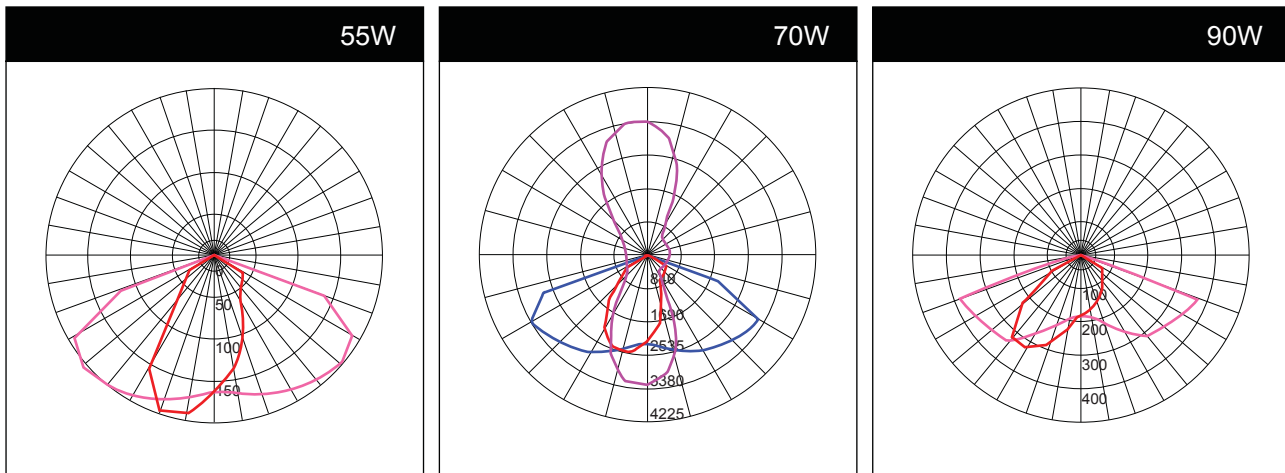
Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura Mini ST B30	30W	6 LEDs	0.13A	3.4kg	<3500K 4000K 5000K 6000K	102 lm/w 103 lm/w 104 lm/w 105 lm/w	3,050 lm 3,090 lm 3,130 lm 3,150 lm
OLE Dura Mini ST B45	45W	9 LEDs	0.19A	3.6kg	<3500K 4000K 5000K 6000K	102 lm/w 103 lm/w 104 lm/w 104 lm/w	4,580 lm 4,640 lm 4,660 lm 4,680 lm
OLE Dura Mini ST B55	55W	12 LEDs	0.23A	3.6kg	<3500K 4000K 5000K 6000K	108 lm/w 110 lm/w 112 lm/w 113 lm/w	5,950 lm 6,050 lm 6,150 lm 6,200 lm
OLE Dura Mini ST B70	70W	15 LEDs	0.30A	3.7kg	<3500K 4000K 5000K 6000K	107 lm/w 109 lm/w 110 lm/w 111 lm/w	7,500 lm 7,620 lm 7,700 lm 7,750 lm

* Flux data based Ta = 25°C

* CCT & Lumen +-10%.

Photometric Data



STREET LIGHTING

OLE DURA MINI ST SERIES (HIGH EFFICIENCY)

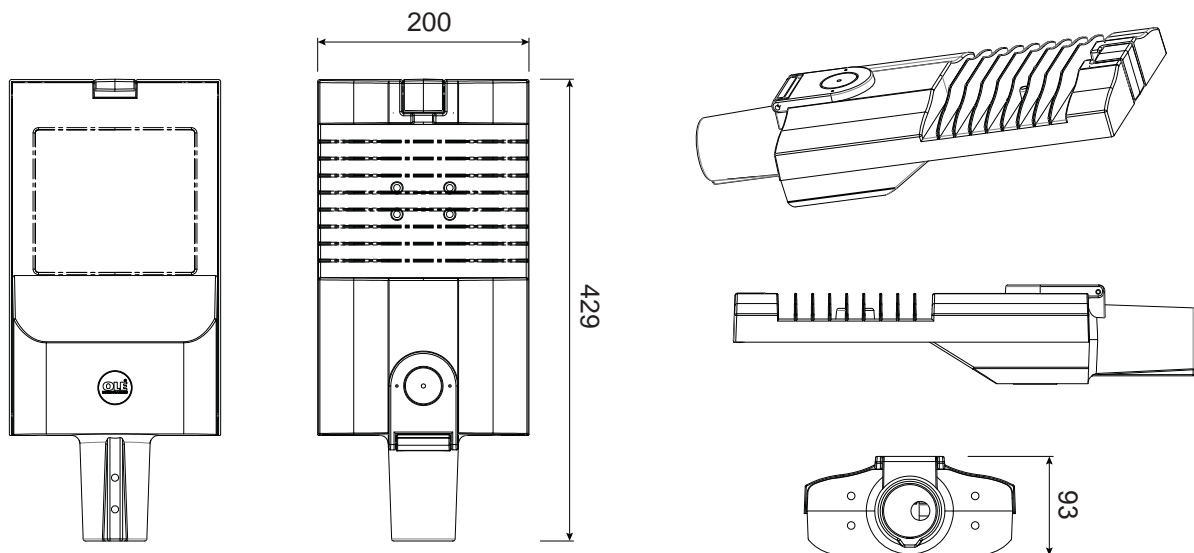
Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura Mini ST HE35	35W	16 LEDs	0.15A	3.4kg	<3500K 4000K 5000K 6000K	127 lm/w 128 lm/w 129 lm/w 131 lm/w	4,450 lm 4,480 lm 4,500 lm 4,600 lm
OLE Dura Mini ST HE45	45W	20 LEDs	0.19A	3.6kg	<3500K 4000K 5000K 6000K	124 lm/w 126 lm/w 128 lm/w 129 lm/w	5,600 lm 5,690 lm 5,750 lm 5,790 lm
OLE Dura Mini ST HE55	55W	24 LEDs	0.23A	3.6kg	<3500K 4000K 5000K 6000K	122 lm/w 124 lm/w 125 lm/w 126 lm/w	6,720 lm 6,830 lm 6,890 lm 6,950 lm
OLE Dura Mini ST HE65	65W	24 LEDs	0.28A	3.7kg	<3500K 4000K 5000K 6000K	121 lm/w 122 lm/w 123 lm/w 124 lm/w	7,850 lm 7,950 lm 8,010 lm 8,050 lm

* Flux data based Ta = 25°C

* CCT & Lumen +-10%.

Dimension



* All Dimension in MM

STREET LIGHTING

OLE DURA ST SERIES



Characteristics

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

Lighting in an efficient and sustainable manner

Heat dissipation - The heat dissipation system was designed and manufactured to allow LED operation at adequate temperatures and guarantee excellent performance / efficiency and long life.

Reduced resistance to wind - The fixture's design is configured to minimise wind-exposed surfaces.

Features

- The Street Lighting line was designed with a series of features and solutions to maximise lamp life and system usage.
- Use of the best available LEDs.
- Anti-condensation valve.
- Low temperature electronics.
- All these features help to extend lamp life past 70,000 hours.
- Maximised saving in energy and maintenance costs.

STREET LIGHTING

OLE DURA ST SERIES

Advantages

- Gear compartment separated from LED module to reduce heat.
- Modular design - higher power can be upgraded in the future without having to replace whole fixture.
- Spigot can be adjustable $-15^{\circ} \sim 0^{\circ} \sim +15^{\circ}$.
- Support NEMA socket for dimming & smart control.

Material

Casing material	Pressure Casted Aluminum ADC12, Powder-Coated Finishing
Cover	5mm Tempered Glass
Dimming	Support DALI, 1~10V (Optional)
NEMA Socket	Support NEMA, ZIGBEE, LORA Smart Lighting System (Optional)

Application

- Lighting Class - Compliances : ME, CE, S, A (other lighting class available upon request).
- Applicable Road Width - 1 lane, 2 lanes, 3 lanes, 4 lanes, 5 lanes.
- Applicable for highway, residential roads, roundabouts, junction, pedestrian streets, parking area and etc.

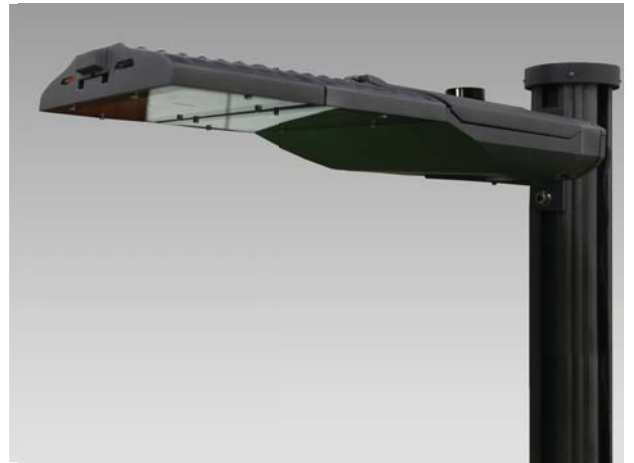
Certified by DEKRA, SIRIM & JKR EMAL.

CB & CE-LVD certified.

Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471,
IEC 62778.

EMC : EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3.

Australia SAA approval, RCM mark, 62722, RoHS.



STREET LIGHTING

OLE DURA ST SERIES

Construction of OLE DURA ST



Smart control for dimming
NEMA socket : Support NEMA, ZIGBEE,
LORA smart lighting system (optional)



Casing material
pressure casted aluminum ADC12,
powder-coated finishing



High transparency
5mm tempered glass cover

Separated construction
LED module for efficient
heat transfer

Adjustable spigot

LED module
can be 45 to 135 LEDs



STREET LIGHTING

OLE DURA ST SERIES

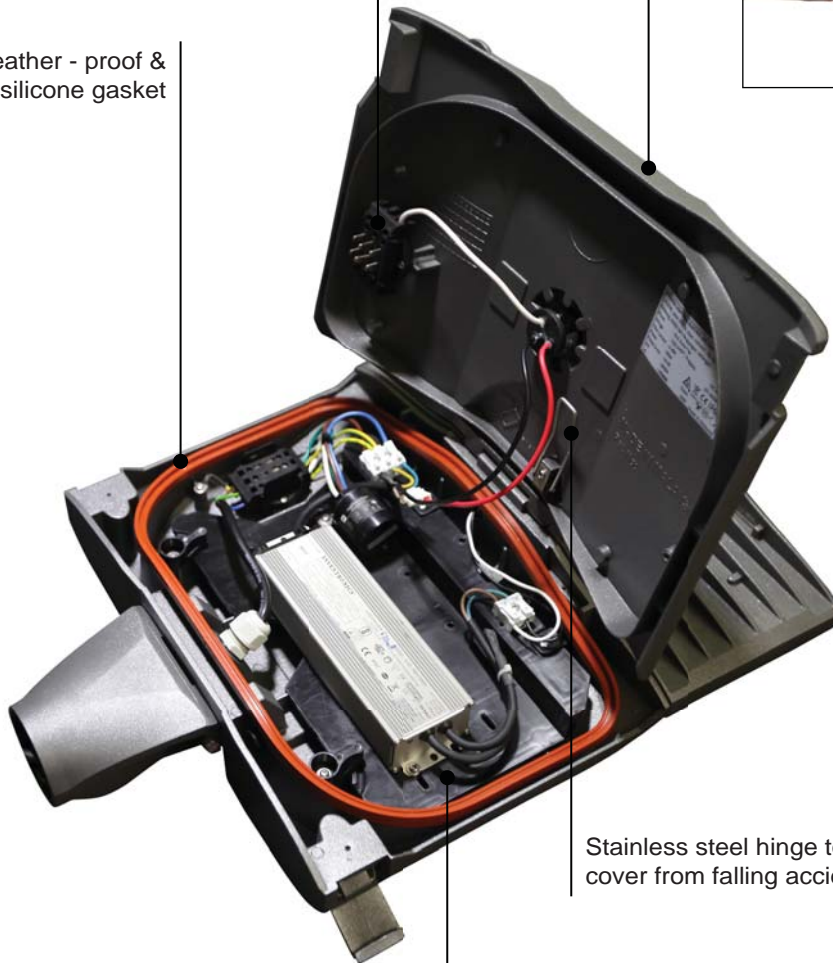
Construction of OLE DURA ST



Cut - off connector

Weather - proof & durable silicone gasket

Top opening cover

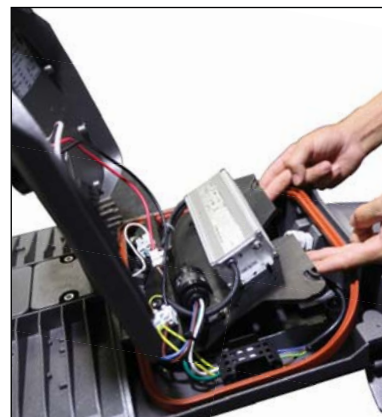


Stainless steel hinge to prevent cover from falling accidentally

IP66 protection compartment



Clip lock gear tray for toolless maintenance



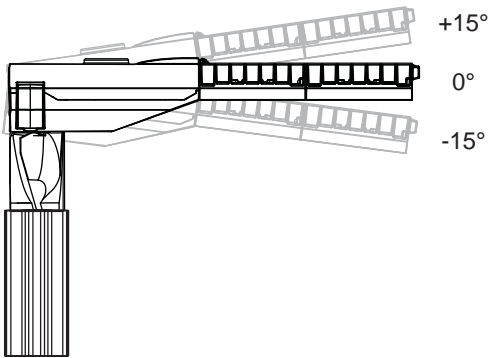
Safety switch cut off power supply once cover opened

STREET LIGHTING

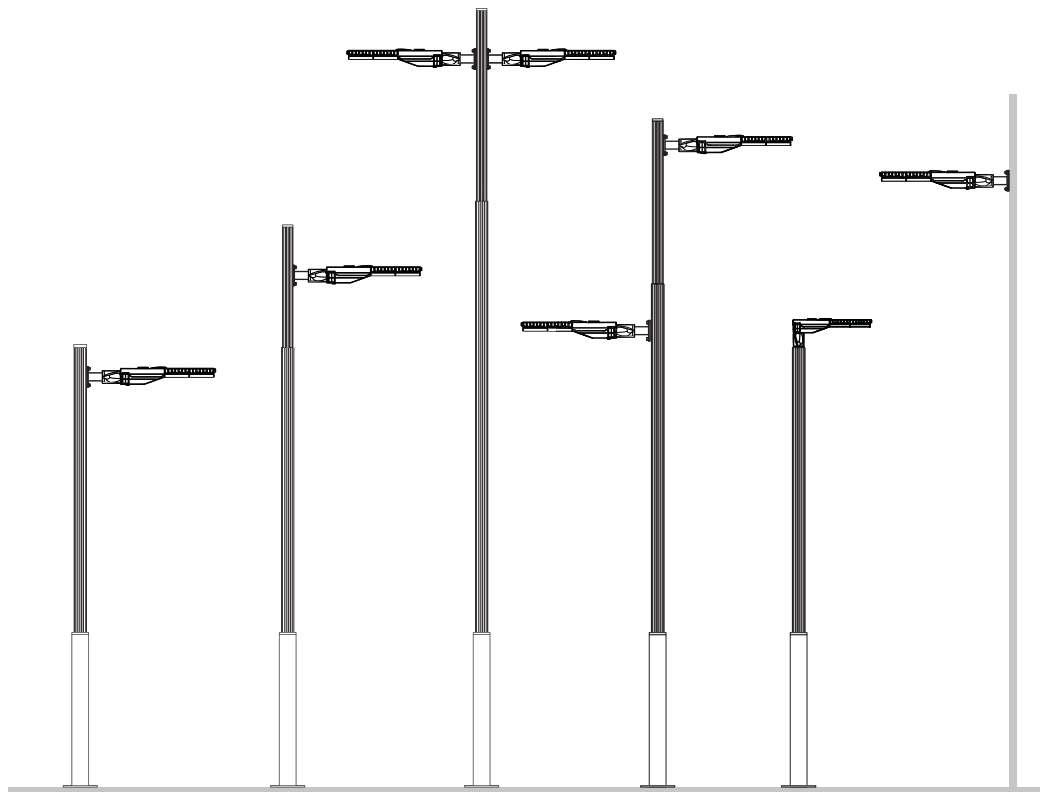
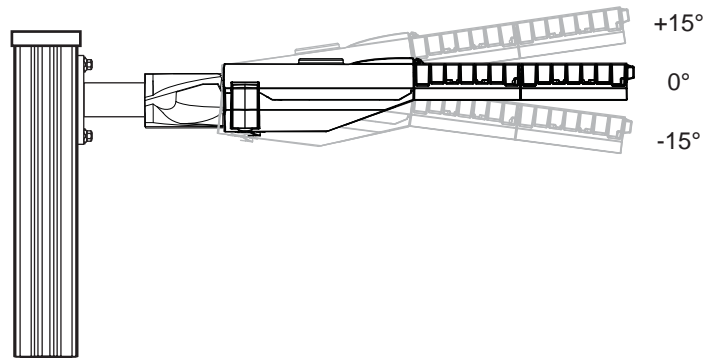
OLE DURA ST SERIES

Type of installation on pole
Mounting

Post-Top Position



Side-Entry Position



* Mounting onto a $\varnothing 42$ - $\varnothing 60$ or $\varnothing 76$ mm spigot suitable for poles and brackets.

STREET LIGHTING

OLE DURA ST SERIES

OLE Dura ST90 | OLE Dura ST120



OLE Dura ST150 | OLE Dura ST180 | OLE Dura ST240



OLE Dura ST270 | OLE Dura ST300



STREET LIGHTING

OLE DURA ST SERIES

Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura ST90	90W	45 LEDs	0.39A	10kg	<3500K 4000K 5000K 6000K	142 lm/w 148 lm/w 152 lm/w 157 lm/w	12,800 lm 13,300 lm 13,700 lm 14,100 lm
OLE Dura ST120	120W	45 LEDs	0.52A	10kg	<3500K 4000K 5000K 6000K	128 lm/w 132 lm/w 136 lm/w 140 lm/w	15,300 lm 15,800 lm 16,300 lm 16,800 lm
OLE Dura ST150	150W	90 LEDs	0.65A	13kg	<3500K 4000K 5000K 6000K	143 lm/w 146 lm/w 151 lm/w 155 lm/w	21,400 lm 21,900 lm 22,600 lm 23,300 lm
OLE Dura ST180	180W	90 LEDs	0.78A	13kg	<3500K 4000K 5000K 6000K	139 lm/w 142 lm/w 146 lm/w 151 lm/w	25,000 lm 25,500 lm 26,200 lm 27,100 lm
OLE Dura ST240	240W	90 LEDs	1.04A	13kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 128 lm/w 132 lm/w	29,300 lm 29,900 lm 30,700 lm 31,600 lm
OLE Dura ST270	270W	135 LEDs	1.17A	16.5kg	<3500K 4000K 5000K 6000K	133 lm/w 135 lm/w 138 lm/w 143 lm/w	35,800 lm 36,500 lm 37,300 lm 38,500 lm
OLE Dura ST300	300W	135 LEDs	1.30A	16.5kg	<3500K 4000K 5000K 6000K	133 lm/w 135 lm/w 138 lm/w 143 lm/w	40,000 lm 40,500 lm 41,400 lm 42,800 lm

* Flux data based on Ta = 25°C.

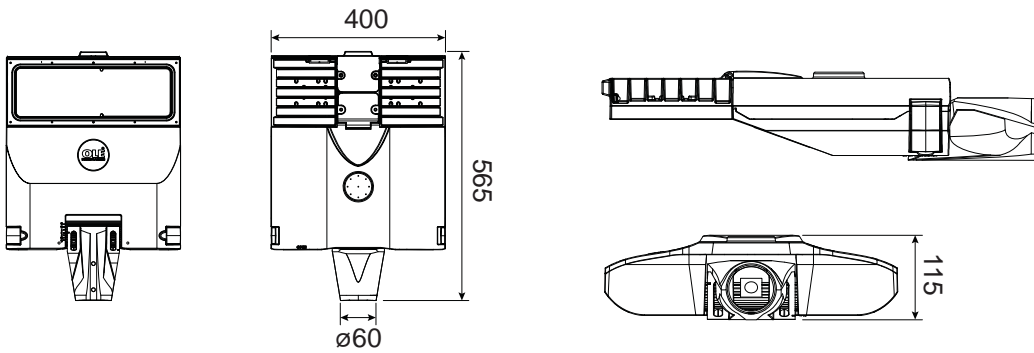
* CCT & Lumen +-10%.

STREET LIGHTING

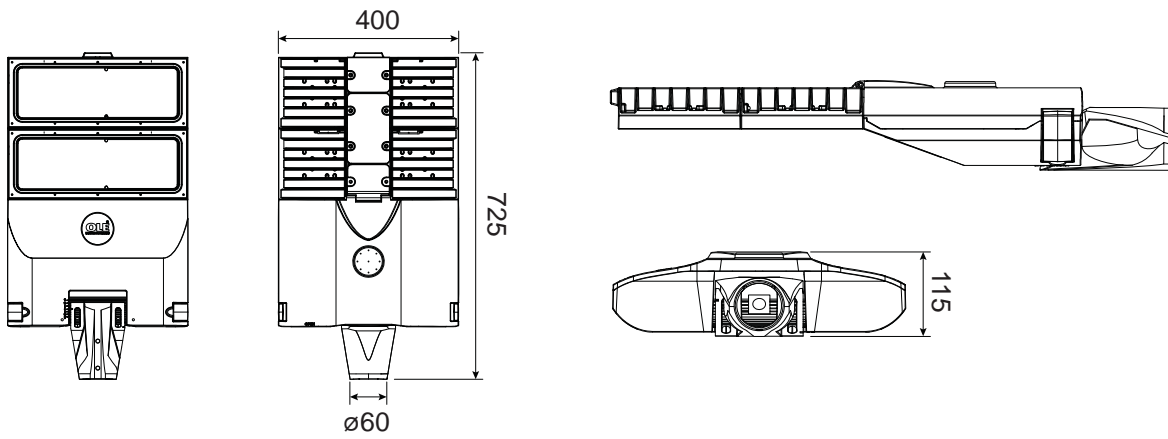
OLE DURA ST SERIES

OLE Dura ST90 | OLE Dura ST120

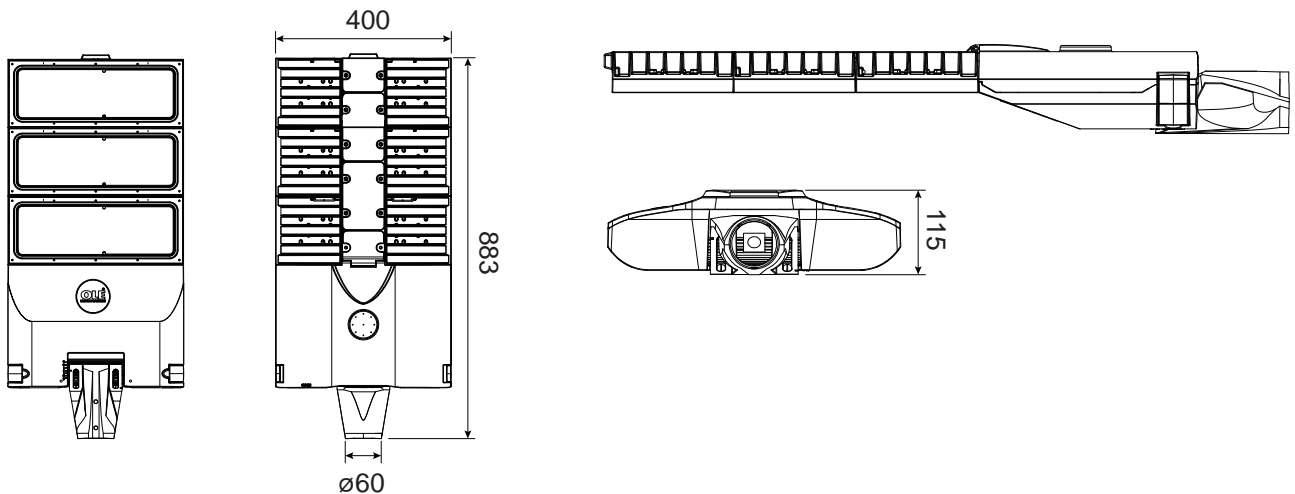
* All Dimension in MM



OLE Dura ST150 | OLE Dura ST180 | OLE Dura ST240



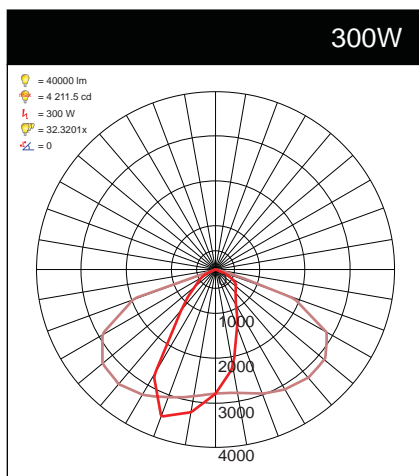
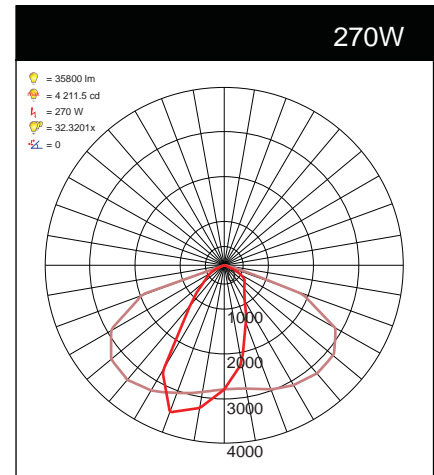
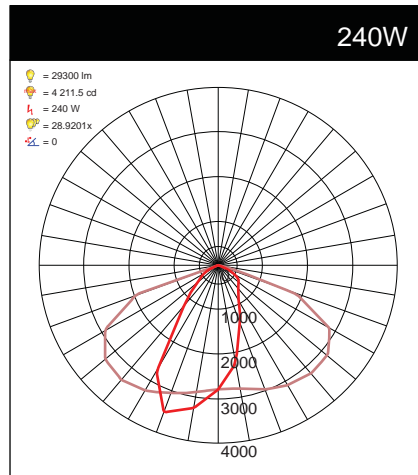
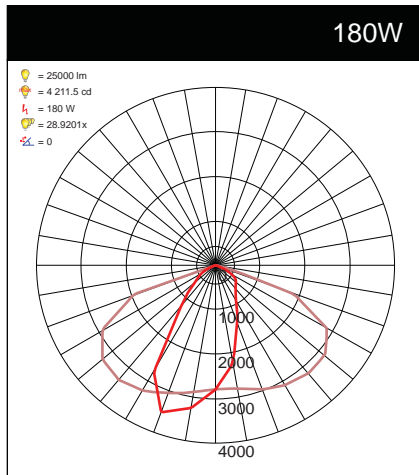
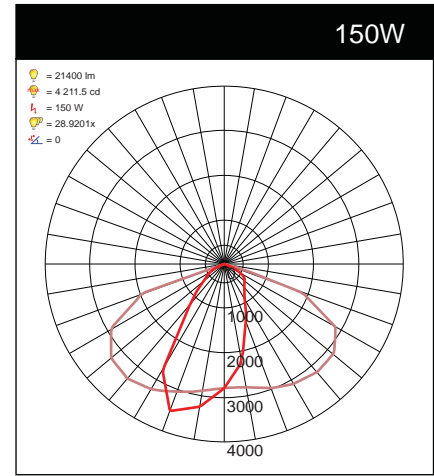
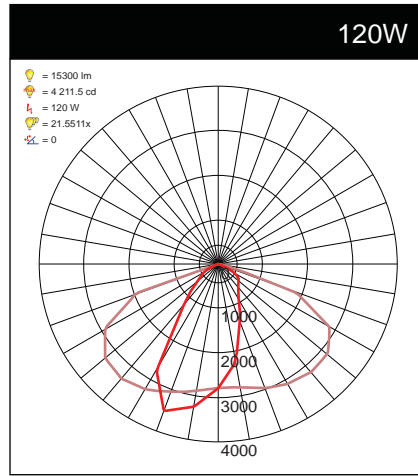
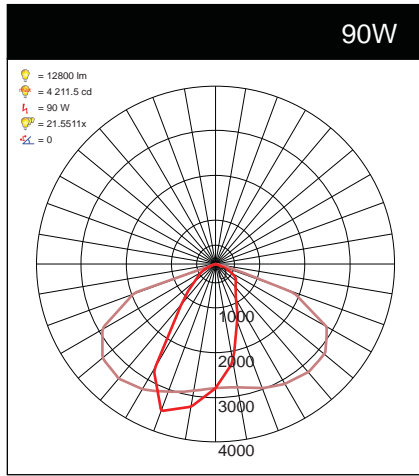
OLE Dura ST270 | OLE Dura ST300



STREET LIGHTING

OLE DURA ST SERIES

Photometric Data



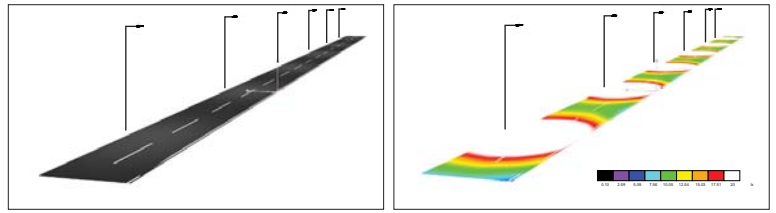
CASE STUDY

Example Scheme 1

	ME2	OLE Dura ST90 (90W)	Other similar LED Street Light (120W)
Lave (cd/m ²)	1.5	1.51	1.36
U _o	>0.4	0.51	0.52
U	>0.7	0.81	0.87
Ti (%)	<10%	10%	10%
SR	>0.5	0.61	0.72
W (System)		90W	120W
W/km		2571	3430

* Scheme: Luminaire mounting height 10M, spacing 35M, road width 7M Single way 2 Lanes with 3.5M each and shoulder 1.5M) Single side arrangement, tilt 0, outreach 0.5M, maintenance factor 0.80, road surface R3.

* Result: OLE Dura ST90 performs better than other LED street light of higher power. Minimum 25% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



OLE Dura ST90 (90W)



Other similar LED Street Light (120W)

Example Scheme 2

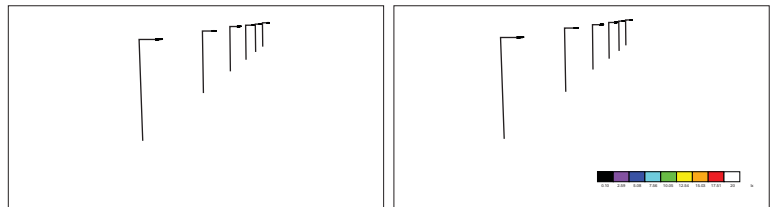
	ME2	OLE Dura ST120 (120W)	Other similar LED Street Light (150W)
Lave (cd/m ²)	1.5	1.72	1.57
U _o	>0.4	0.50	0.41
U	>0.7	0.81	0.78
Ti (%)	<10%	9%	10%
SR	>0.5	0.62	0.54
W (System)		120W	150W
W/km		3430	4285

* Scheme: Luminaire mounting height 10M, spacing 35M, road width 7M Single way 2 Lanes with 3.5M each and shoulder 1.5M) Single side arrangement, tilt 0, outreach 0.5M, maintenance factor 0.80, road surface R3.

* Result: OLE Dura ST120 performs better than other LED street light of higher power. Minimum 20% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



OLE Dura ST120 (120W)



Other similar LED Street Light (150W)

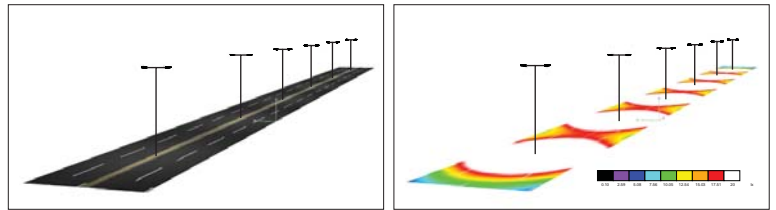
CASE STUDY

Example Scheme 3

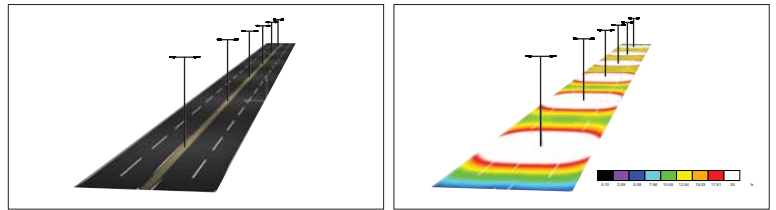
	ME1	OLE Dura ST150 (150W)	Other similar LED Street Light (180W)
Lave (cd/m ²)	2.0	2.44	1.98
U _o	>0.4	0.53	0.60
U	>0.7	0.84	0.86
Ti (%)	<10%	9%	7%
SR	>0.5	0.87	0.86
W (System)		150W	180W
W/km		3750	4500

* Scheme: Luminaire mounting height 12M, spacing 40M, road width 14M (dual way 4 lanes with 3.5M each, shoulder 2X1.5M and central reserve 0.6M). Median arrangement, tilt 0, outreach 1.5M, maintenance factor 0.80, road surface R3.

* Result: OLE Dura ST150 performs better than other LED street light of higher power. Minimum 17% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



OLE Dura ST150 (150W)



Other similar LED Street Light (180W)

Example Scheme 4

	ME1	OLE Dura ST180 (180W)	Other similar LED Street Light (210W)
Lave (cd/m ²)	2.0	2.61	1.85
U _o	>0.4	0.48	0.56
U	>0.7	0.79	0.78
Ti (%)	<10%	9%	8%
SR	>0.5	0.86	0.90
W (System)		180W	210W
W/km		4000	4670

* Scheme: Luminaire mounting height 12M, spacing 45M, road width 14M (dual way 4 lanes with 3.5M each, shoulder 2X1.5M and central reserve 0.6M). Median arrangement, tilt 0, outreach 1.5M, maintenance factor 0.80, road surface R3.

* Result: OLE Dura ST180 performs better than other LED street light of higher power. Minimum 14% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



OLE Dura ST180 (180W)



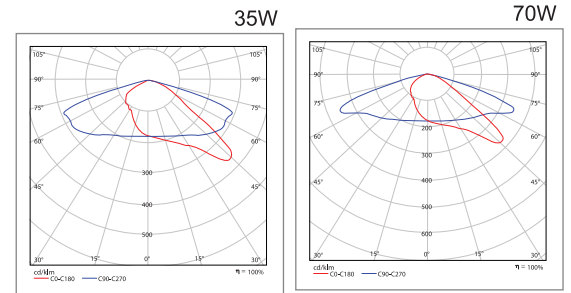
Other similar LED Street Light (210W)

STREET LIGHTING

OLE LED FUTURE MINI



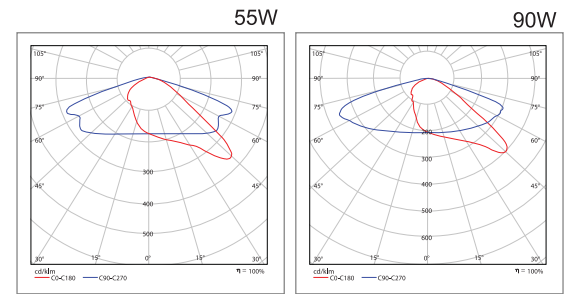
Photometric Data



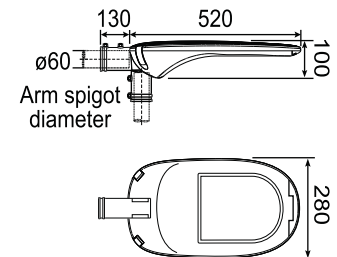
Specification

Power Consumption	LED Quantity	Input Current	CCT	Efficacy	Lumen
35W	16 LED	0.15A	<3500K	114lm/w	4025lm
			4000K	115lm/w	4050lm
			5000K	117lm/w	4100lm
			6000K	118lm/w	4150lm
55W	24 LED	0.23A	<3500K	114lm/w	6300lm
			4000K	116lm/w	6400lm
			5000K	118lm/w	6500lm
			6000K	121lm/w	6700lm
70W	32 LED	0.30A	<3500K	115lm/w	8050lm
			4000K	116lm/w	8100lm
			5000K	117lm/w	8200lm
			6000K	118lm/w	8250lm
90W	40 LED	0.39A	<3500K	110lm/w	9900lm
			4000K	111lm/w	9990lm
			5000K	112lm/w	10080lm
			6000K	113lm/w	10170lm

* Note : CCT & Lumen +/-10%



Dimension



* All Dimension in MM

Input Voltage	AC220-240V / DC24V
Light Source	LED from CREE
Protection	IP66
Lifetime	L90>70,000 hrs
Operating Frequency	50/60Hz
Power Factor	>0.95
THD @ Full Load	<20%
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C - +50°C
Working Humidity	RH 10% - 90%
Passed Impact Level	IK09
Surge Protection Device (SPD)	10 - 20kA
Weight	7.5kg

Installation



* easy installation without use of tools

Certified by SIRIM, IKRAM, MALAYSIA GENERAL WORKS DEPT.

CB & CE-LVD certified.

Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471, IEC 62778.
Performance : IEC 62722

EMC : IEC 62493, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

RoHS : 2011/65/EU : EN50581:2012

Material

- Injection Die-Cast aluminium ADC12.
- Powder coated with surface treatment for outdoor application.
- Driver - Philips / MeanWell Support 1-10V (Optional)
- Lens made from high light transmission PLEXIGLAS®

Application

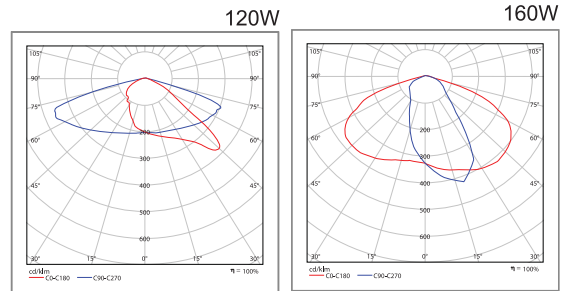
- Applicable road width 1 lanes ~ 2 lanes road, ME3A, ME4A.
- Amenity Lighting, Small road, Garden road, and Factory.

STREET LIGHTING

OLE LED FUTURE



Photometric Data



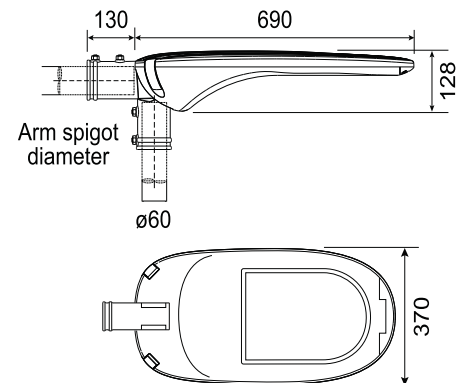
Specification

Power Consumption	LED Quantity	Input Current	CCT	Efficacy	Lumen
120W	60 LED	0.52A	<math><3500\text{K}</math>	114lm/w	13700lm
			4000K	115lm/w	13900lm
			5000K	116lm/w	14000lm
			6000K	117lm/w	14100lm
150W	72 LED	0.65A	<math><3500\text{K}</math>	112lm/w	16800lm
			4000K	113lm/w	17000lm
			5000K	114lm/w	17100lm
			6000K	115lm/w	17200lm
160W	80 LED	0.69A	<math><3500\text{K}</math>	110lm/w	17600lm
			4000K	111lm/w	17700lm
			5000K	111lm/w	17800lm
			6000K	112lm/w	17900lm

* Note : CCT & Lumen +10%

Input Voltage	AC220-240V / DC24V
Light Source	LED from CREE
Protection	IP66
Lifetime	L90>70,000 hrs
Operating Frequency	50/60Hz
Power Factor	>0.95
THD @ Full Load	<20%
Color Rendering Index (CRI)	> 70 - 80
Working Temperature	-25°C - +50°C
Working Humidity	RH 10% - 90%
Passed Impact Level	IK09
Surge Protection Device (SPD)	10 - 20kA
Weight	8.5kg

Dimension



* All Dimension in MM

Installation



* easy installation without use of tools

Material

- Injection Die-Cast aluminium ADC12.
- Powder coated with surface treatment for outdoor application.
- Driver - Philips / MeanWell Support 1-10V (Optional)
- Lens made from high light transmission PLEXIGLAS®

Application

- Applicable road width 2 lanes ~ 3 lanes road, ME1 & ME2.

Certified by SIRIM, IKRAM, MALAYSIA GENERAL WORKS DEPT.

CB & CE-LVD certified.

Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471, IEC 62778.

Performance : IEC 62722

EMC : IEC 62493, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

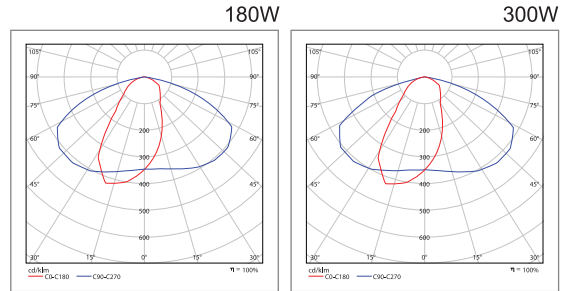
RoHS : 2011/65/EU : EN50581:2012

STREET LIGHTING

OLE LED FUTURE MAXI



Photometric Data

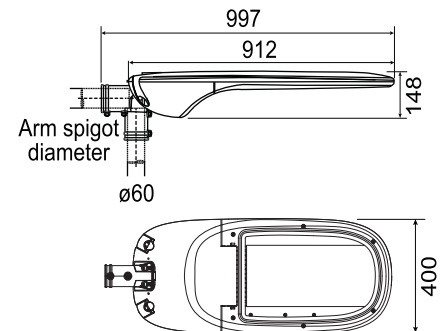


Specification

Power Consumption	LED Quantity	Input Current	CCT	Efficacy	Lumen
180W	80 LED	0.78A	<3500K	125lm/w	22500lm
			4000K	126lm/w	22600lm
			5000K	126lm/w	22700lm
	160 LED		6000K	127lm/w	22800lm
			<3500K	128lm/w	23000lm
			4000K	129lm/w	23200lm
240W	100 LED	1.04A	5000K	129lm/w	23300lm
			6000K	129lm/w	23300lm
			<3500K	122lm/w	29300lm
	160 LED		4000K	123lm/w	29520lm
			5000K	124lm/w	29760lm
			6000K	124lm/w	29760lm
300W	160 LED	1.30A	<3500K	125lm/w	30000lm
			4000K	126lm/w	30200lm
			5000K	126lm/w	30300lm
			6000K	126lm/w	30300lm
			<3500K	116lm/w	34800lm
			4000K	117lm/w	35100lm
			5000K	118lm/w	35400lm
			6000K	118lm/w	35400lm

* Note : CCT & Lumen +/-10%

Dimension



* All Dimension in MM

Input Voltage	AC220-240V / DC24V
Light Source	LED from CREE
Protection	IP66
Lifetime	L90>70,000 hrs
Operating Frequency	50/60Hz
Power Factor	>0.95
THD @ Full Load	<20%
Color Rendering Index (CRI)	> 70 - 80
Working Temperature	-25°C - +50°C
Working Humidity	RH 10% - 90%
Passed Impact Level	IK08
Surge Protection Device (SPD)	10 - 20kA
Weight	12kg

Installation



* easy installation without use of tools

Material

- Injection Die-Cast aluminium ADC12.
- Powder coated with surface treatment for outdoor application.
- Driver - Philips / MeanWell Support 1-10V (Optional)
- Lens made from high light transmission PLEXIGLAS®

Application

- Applicable road width 2 lanes ~ 5 lanes road, ME1 for Main Road.

Certified by SIRIM, IKRAM, MALAYSIA GENERAL WORKS DEPT.

CB & CE-LVD certified,

Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471, IEC 62778.

Performance : IEC 62722

EMC : IEC 62493, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

RoHS : 2011/65/EU : EN50581:2012

STREET LIGHTING

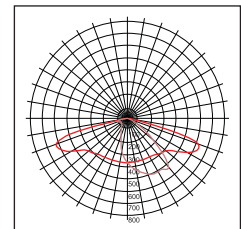
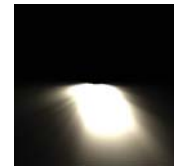
OLE EVO ST



Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE EVO ST50	50W	12 LED	0.21A	3.6kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 102 lm/w 103 lm/w	5000 lm 5050 lm 5100 lm 5150 lm
OLE EVO ST100	100W	24 LED	0.43A	4.4kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 102 lm/w 103 lm/w	10000 lm 10100 lm 10200 lm 10300 lm
OLE EVO ST150	150W	36 LED	0.65A	6.0kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 102 lm/w 103 lm/w	15000 lm 15150 lm 15300 lm 15450 lm

Photometric Data

Asymmetric

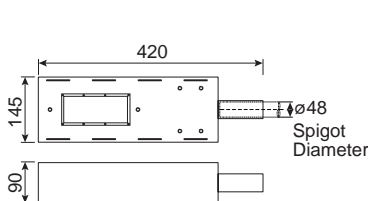


*Reported CCT and System Lumen may have a tolerance of 10%

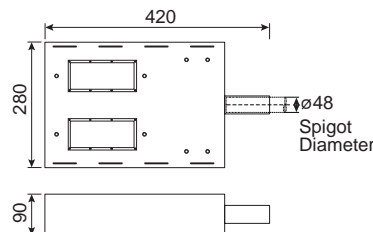
Technical Data

- Input voltage : AC220-240V
- Light source : LED
- Protection : IP66
- Lifetime : L90>60,000 hrs
- Operating frequency : 50/60Hz
- Power factor : >0.95
- THD @ Full load : <20%
- Color rendering Index (CRI) : >70 - 80
- Working temperature : -40°C ~ +50C
- Working humidity : RH 10%~90%
- Beam Angle : Asymmetric
- Surge protection device (SPD) : 10kA
- Dimming : Philips/MeanWell/Inventronics Support 1-10V & DALI Dimming (optional)
- Casing material : LED module - Extrusion Aluminum
Fixture casing - Galvanized steel with outdoor powder coating
- Lens : **PLEXIGLAS®**

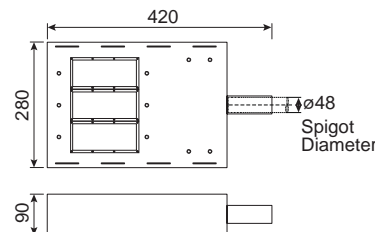
Dimension



OLE EVO ST50



OLE EVO ST100



OLE EVO ST150

Carton Dimension

OLE EVO ST50
450x310x150
(2 Packed in 1 carton)

OLE EVO ST100
OLE EVO ST150
450x310x150

* All Dimension in MM

* Other mounting sizes is customizable upon ordering.

Application

- * Applicable for road width 1 lane road, ME2 & ME3.
- * Amenity lighting, minor road, pedestrian walkway and factory.

Certified by SIRIM.

Compliances : Safety IEC 60598-1, IEC 60598-2-3.
LED Module : IEC62717, IEC62031, LM79.

STREET LIGHTING

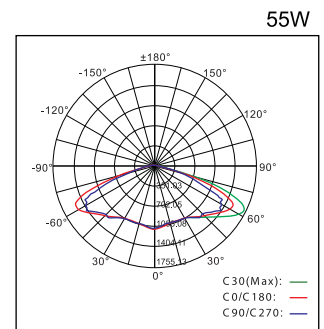
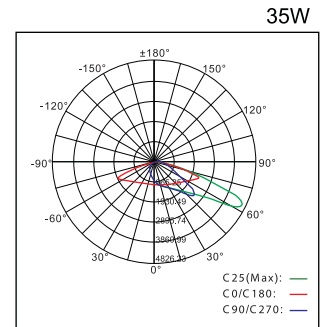
OLE LED ECO



Photometric Data

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE LED Eco16	35W	16 LED	0.15A	3.5kg	<3500K	110 lm/w	3850 lm
					4000K	111 lm/w	3900 lm
					5000K	113 lm/w	3950 lm
					6000K	114 lm/w	4000 lm
OLE LED Eco24	55W	24 LED	0.23A	3.5kg	<3500K	110 lm/w	6050 lm
					4000K	111 lm/w	6100 lm
					5000K	112 lm/w	6150 lm
					6000K	113 lm/w	6200 lm

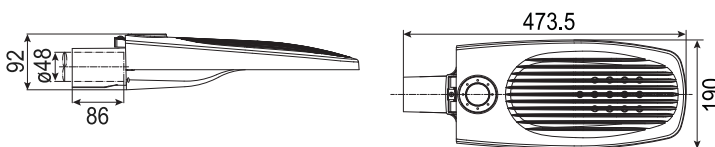
*Reported CCT and System Lumen may have a tolerance of 10%



Technical Data

Input voltage	: AC220-240V
Light source	: LED
Protection	: IP66
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Color rendering Index (CRI)	: >70 - 80
Working temperature	: -25°C ~ +50C
Working humidity	: RH 10%~90%
Passed impact level	: IK09
Surge protection device (SPD)	: 10kA
Material	: Injection Die-cast aluminum ADC12 Outdoor Epoxy powder coating with surface treatment
Driver	: Philips/MeanWell/Inventronics Support 1-10V (Optional), NEMA Controller
Lens	: Made from high light transmission PMMA

Dimension



* All Dimension in MM

Carton Dimension

OLE LED Eco
500x420x230

Application

- * Applicable for road width 1 lane ~ 2 lanes road, ME3 & ME4A.
- * Amenity lighting, minor road, pedestrian walkway and factory.

CB & CE-LVD certified.
Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471, IEC 62778.
Performance : IEC 62722
EMC : IEC 62493, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
RoHS : 2011/65/EU : EN50581:2012

STREET LIGHTING

OLE LED 95



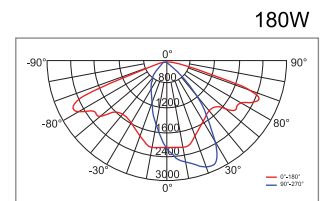
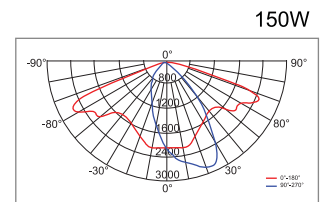
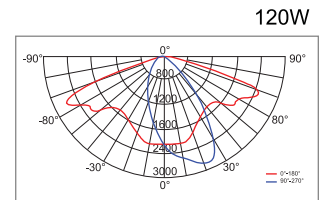
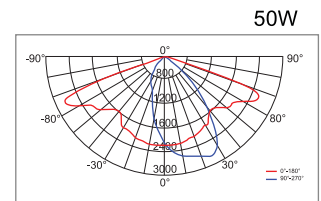
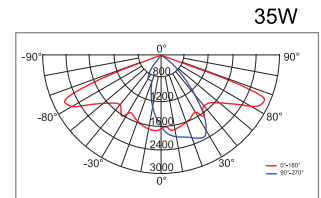
Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE LED 95C	35W	16 LED	0.15A	2.8kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 102 lm/w 104 lm/w	3500 lm 3550 lm 3600 lm 3650 lm
OLE LED 95C	50W	32 LED	0.22A	2.8kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 101 lm/w 102 lm/w	5000 lm 5050 lm 5100 lm 5150 lm
OLE LED 95A	120W	48 LED	0.52A	10.6kg	<3500K 4000K 5000K 6000K	100 lm/w 101 lm/w 101 lm/w 104 lm/w	12000 lm 12100 lm 12150 lm 12200 lm
OLE LED 95A	150W	64 LED	0.65A	10.7kg	<3500K 4000K 5000K 6000K	100 lm/w 100 lm/w 101 lm/w 101 lm/w	15000 lm 15050 lm 15100 lm 15150 lm
OLE LED 95A	180W	80 LED	0.78A	10.8kg	<3500K 4000K 5000K 6000K	100 lm/w 100 lm/w 101 lm/w 101 lm/w	18000 lm 18050 lm 18100 lm 18150 lm

*Reported CCT and System Lumen may have a tolerance of 10%

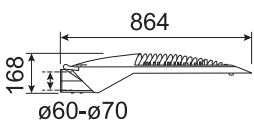
Technical Data

Input voltage	: AC220-240V
Light source	: LED
Protection	: IP66
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Color rendering Index (CRI)	: >70 - 80
Working temperature	: -25°C ~ +50°C
Working humidity	: RH 10%~90%
Surge protection device (SPD)	: 10kA
Material	: Injection Die-cast aluminum ADC12 Outdoor Epoxy powder coating with surface treatment
Driver	: Philips/MeanWell/Inventronics Support 1-10V (Optional)
Lens	: Made from high light transmission PMMA

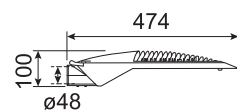
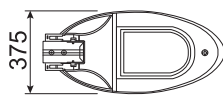
Photometric Data



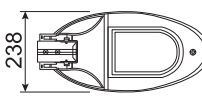
Dimension



OLE LED 95A



OLE LED 95C



* All Dimension in MM

Carton Dimension

OLE LED 95A
930x430x230
(2 Packed in 1 carton)

OLE LED 95C
520x300x160

Application

- * Applicable for road width 1 lane ~ 4 lanes road, ME1, ME2 & ME3.
- * Amenity lighting, minor road, pedestrian walkway and factory.

Certified by SIRIM.

Compliances : Safety IEC 60598-1, IEC 60598-2-3.

SPORT LIGHTING

OLE DURA SPL SERIES



Features

- To complement the native 5° lens, five standard secondary spread lenses can customize the fixture to produce 13°, 33°, 63°, 120° and 27°x112° beam angle. The option to add or combine a louver, full glare shield or half glare shield creates new aesthetic.
- Universal power input range or 220V~240V available.
- Rugged, slim-profile mounting bracket allows simple positioning and fixture rotation through a full 360°, Side locking bolts reliably secure fixture with a standard wrench.
- OLE DURA SL Series allows customizable beam angles for Tennis Court Lighting, Complex Sport Lighting, Golf Club Lighting, Football Stadium Lighting, Highmast Lighting, Amenity Lighting and etc.

Characteristics

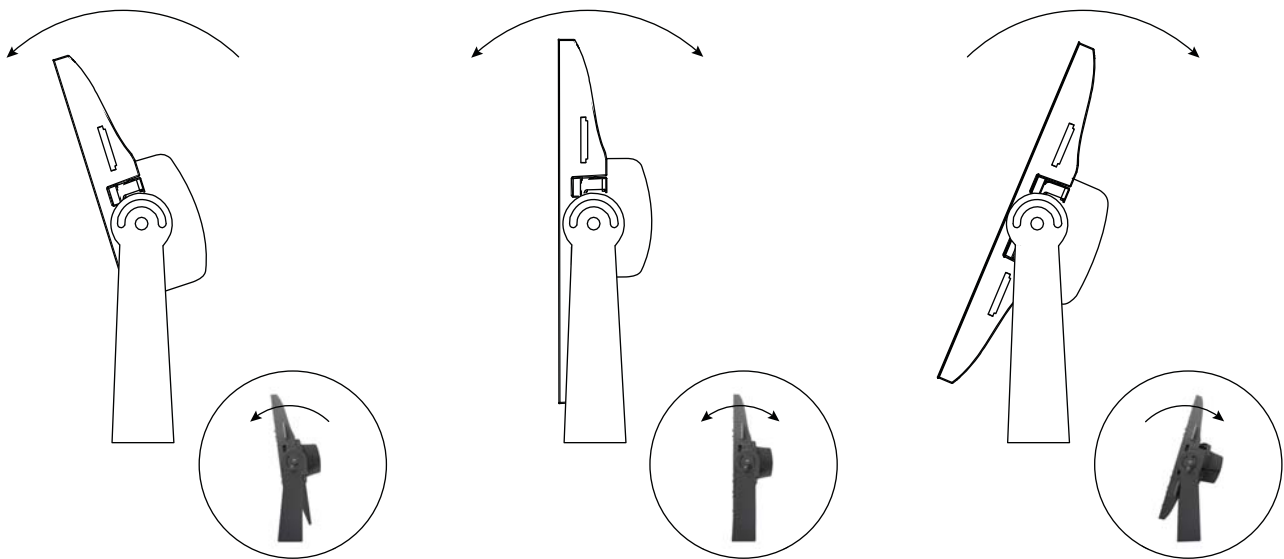
Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Color Rendering Index (CRI)	>70 - 80 (Higher CRI available on request)
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

SPORT LIGHTING

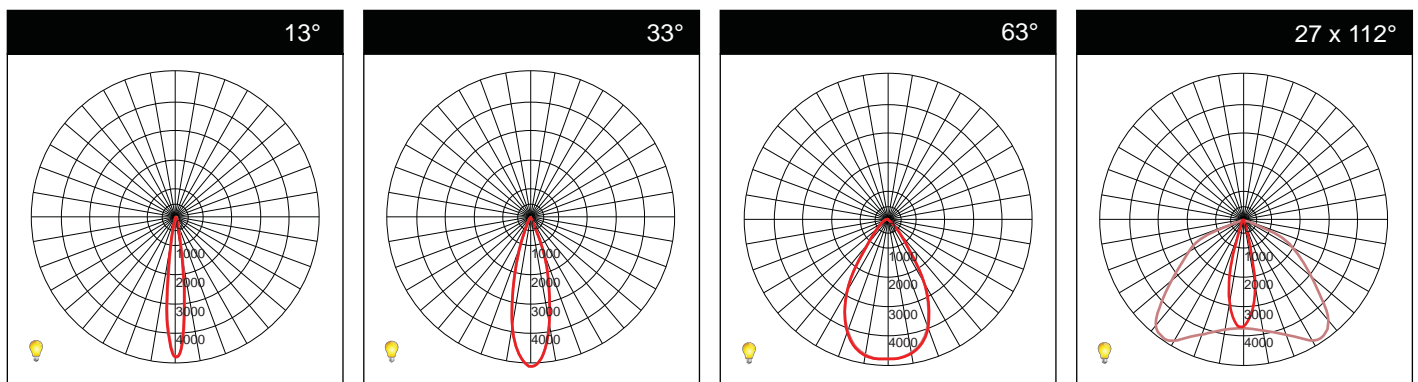
OLE DURA SPL SERIES

Simple Fixture Positioning

Rugged, slim profile mounting bracket allows simple positioning and fixture rotation through at full 360°. Side locking bolts reliably secure fixture with a standard wrench.



Photometric Data



SPORT LIGHTING

OLE DURA SPL SERIES

Construction of Sport Lighting

Casing material
Pressure Casted Aluminum ADC12,
Powder-Coated Finishing

Access to Gear and
Electronic Compartment

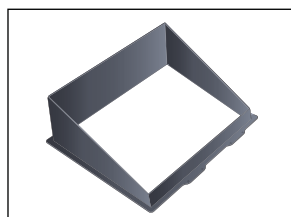


Cover
5mm Tempered Glass

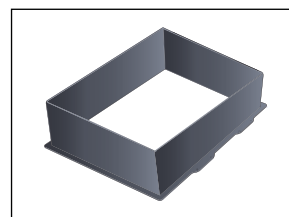
LED Module
warm white/neutral white/cool white



Optional for
Stainless Steel
Bracket



Half glare shield



Full glare shield

Accessories
Extra Glare Control
Protection.

SPORT LIGHTING

OLE DURA SPL SERIES

OLE Dura SPL120



OLE Dura SPL180 | OLE Dura SPL240



OLE Dura SPL300 | OLE Dura SPL360



OLE Dura SPL400 | OLE Dura SPL480



OLE Dura SPL600



OLE Dura SPL800 | OLE Dura SPL960



SPORT LIGHTING

OLE DURA SPL SERIES

Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura SPL120	120W	48 LEDs	0.52A	7kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	14,640 lm 15,000 lm 15,240 lm 15,840 lm
OLE Dura SPL180	180W	96 LEDs	0.78A	10.5kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	23,040 lm 23,580 lm 23,940 lm 24,840 lm
OLE Dura SPL240	240W	96 LEDs	1.04A	10.5kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 128 lm/w 132 lm/w	29,280 lm 30,000 lm 30,480 lm 31,680 lm
OLE Dura SPL300	300W	144 LEDs	1.30A	15kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	38,400 lm 39,300 lm 39,900 lm 41,400 lm
OLE Dura SPL360	360W	144 LEDs	1.56A	15kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	43,920 lm 45,000 lm 45,720 lm 47,520 lm
OLE Dura SPL400	400W	192 LEDs	1.73A	18kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	51,200 lm 52,400 lm 53,200 lm 55,200 lm
OLE Dura SPL480	480W	192 LEDs	2.08A	18kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	58,560 lm 60,000 lm 60,960 lm 63,360 lm
OLE Dura SPL600	600W	288 LEDs	2.60A	28kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	76,800 lm 78,600 lm 79,800 lm 82,800 lm
OLE Dura SPL800	800W	336 LEDs	3.47A	34kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	102,400 lm 104,800 lm 106,400 lm 110,400 lm
OLE Dura SPL960	960W	336 LEDs	4.17A	34kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	117,120 lm 120,000 lm 121,920 lm 126,720 lm

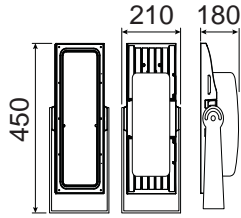
* Flux data based on Luxeon 5050 LED, 33° Beam angle, Ta = 25°C.

* CCT & Lumen +-10%.

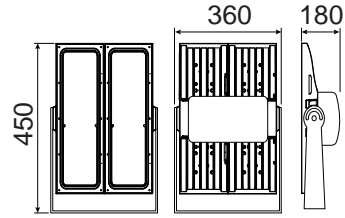
SPORT LIGHTING

OLE DURA SPL SERIES

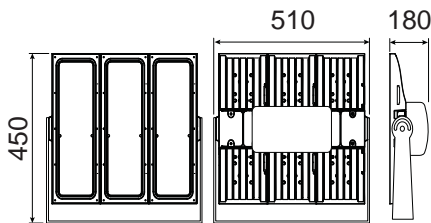
OLE Dura SPL120



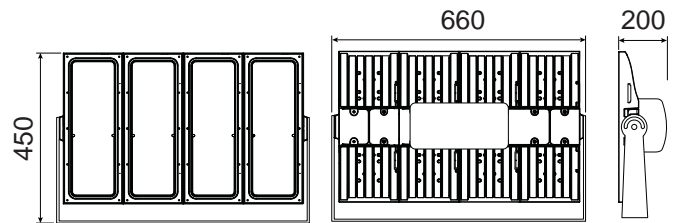
OLE Dura SPL180 | OLE Dura SPL240



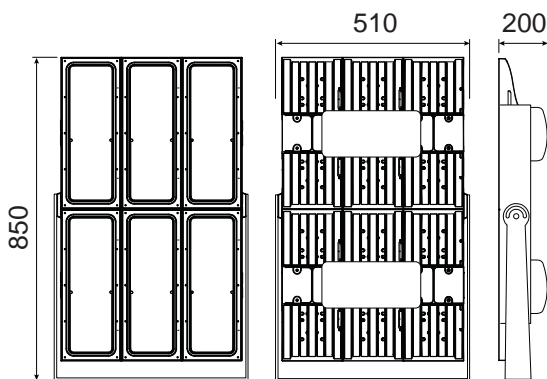
OLE Dura SPL300 | OLE Dura SPL360



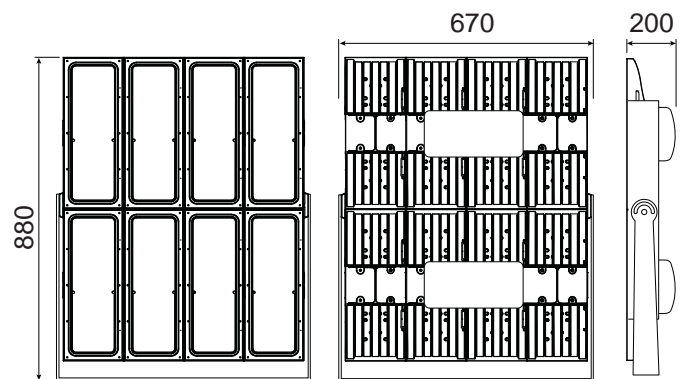
OLE Dura SPL400 | OLE Dura SPL480



OLE Dura SPL600



OLE Dura SPL800 | OLE Dura SPL960



* All Dimension in MM

MINI WALL MOUNTED LIGHTING

OLE DURA MINI WM SERIES



Features

- Support NEMA socket for dimming & smart control.
- NEMA 3 PINS - Basic on-off function.
- NEMA 7 PINS - DALI, 1-10V Dimming.

Characteristics

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L80 @ 50,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

MINI WALL MOUNTED LIGHTING

OLE DURA MINI WM SERIES

Construction of OLE DURA MINI WM

Casing Material
Pressure Casted Aluminum ADC12,
Powder-Coated Finishing

Smart Control for Dimming
NEMA Socket : Support NEMA (Optional)



LED Module
can be 6 to 24 LEDs



Bracket



IP 66 Protection
Compartment

High Transparency
Tempered Glass Cover

Dimming:
Support DALI, 1~10V (Optional)

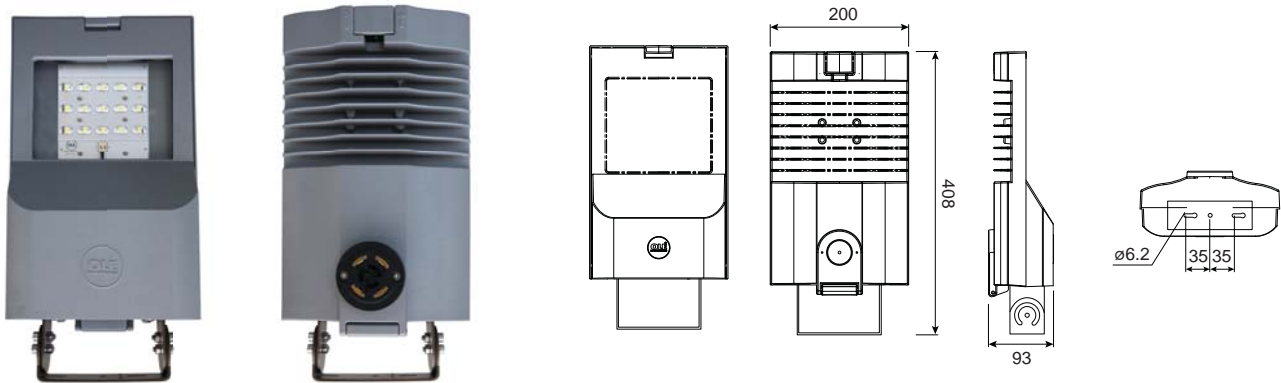


MINI WALL MOUNTED LIGHTING

OLE DURA MINI WM SERIES

* All Dimension in MM

OLE Dura Mini WM30 | OLE Dura Mini WM70



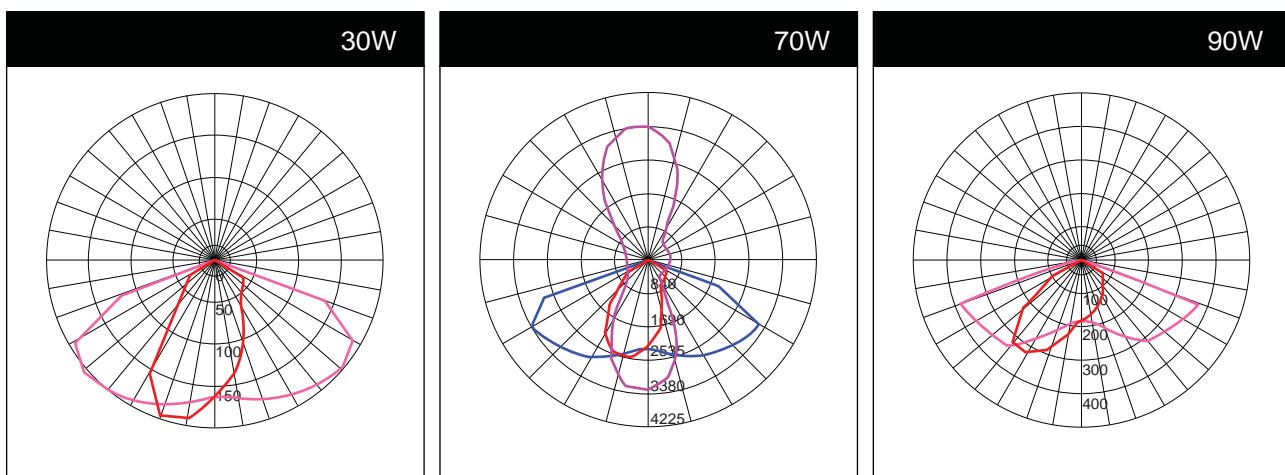
Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura Mini WM30	30W	6 LEDs	0.13A	3.4kg	<3500K	102 lm/w	3,050 lm
					4000K	103 lm/w	3,090 lm
					5000K	104 lm/w	3,130 lm
					6000K	105 lm/w	3,150 lm
OLE Dura Mini WM70	70W	15 LEDs	0.30A	3.7kg	<3500K	107 lm/w	7,500 lm
					4000K	109 lm/w	7,620 lm
					5000K	110 lm/w	7,700 lm
					6000K	111 lm/w	7,750 lm

* Flux data based Ta = 25°C

* CCT & Lumen +-10%.

Photometric Data



WALL MOUNTED LIGHTING

OLE DURA WM SERIES



Features

- Gear compartment separated from LED module to reduce heat.
- Support NEMA socket for dimming & smart control.
- NEMA 3 PINS - Basic on-off function.
- NEMA 7 PINS - DALI, 1-10V Dimming.

Characteristics

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

Certified by SIRIM, DEKRA.

CB & CE-LVD certified.

Compliances : Safety IEC 60598-1, IEC 60598-2-3, IEC 62471, IEC 62778.

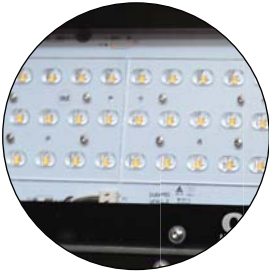
EMC : EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

WALL MOUNTED LIGHTING

OLE DURA WM SERIES

Construction of OLE DURA WM

Casing Material
Pressure Casted Aluminum ADC12,
Powder-Coated Finishing



LED Module

Cover
5mm Tempered Glass



Mounting Bracket



Dimming
Support DALI, 1~10V (Optional)



Clip lock gear tray
for toolless maintenance



Safety switch cut off power
supply once cover is opened



NEMA Socket
Support NEMA, ZIGBEE,
LORA Smart Lighting System
(Optional)

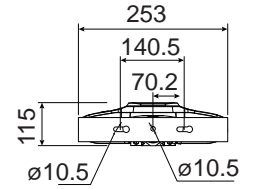
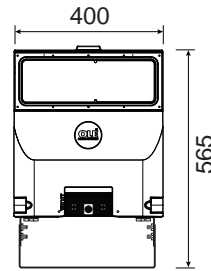
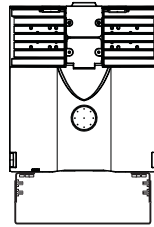
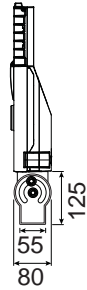


WALL MOUNTED LIGHTING

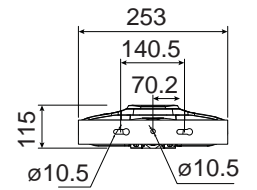
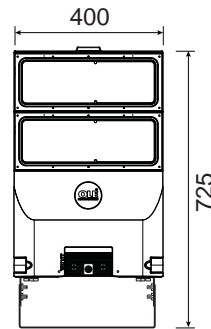
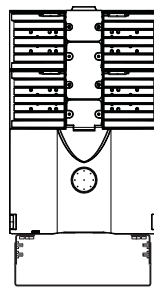
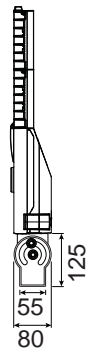
OLE DURA WM SERIES

* All Dimension in MM

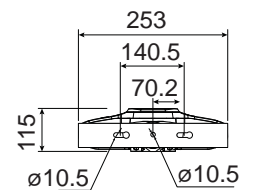
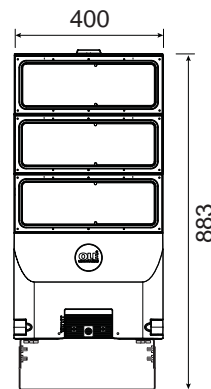
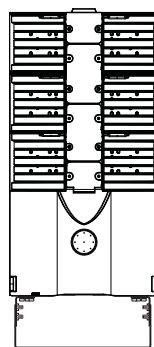
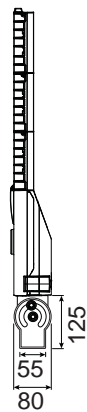
OLE Dura WM120



OLE Dura WM180 | OLE Dura WM240



OLE Dura WM300



WALL MOUNTED LIGHTING

OLE DURA WM SERIES

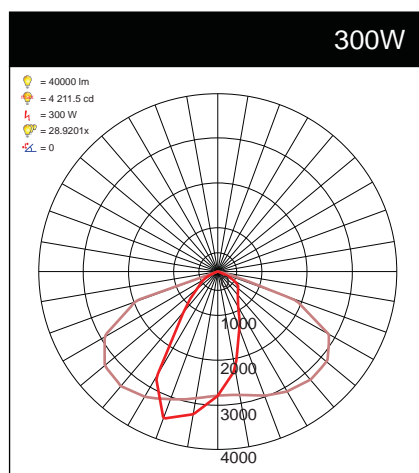
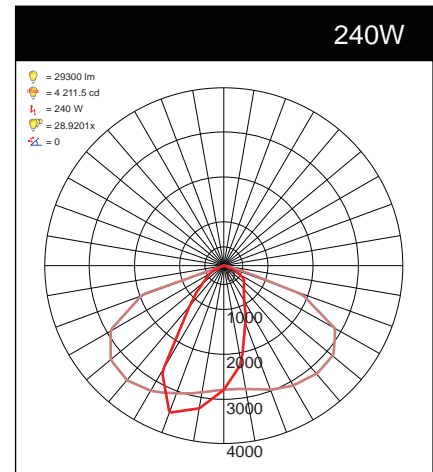
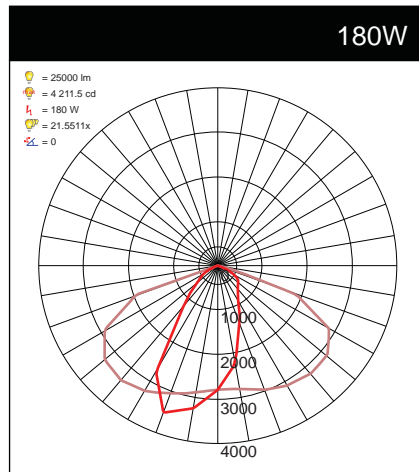
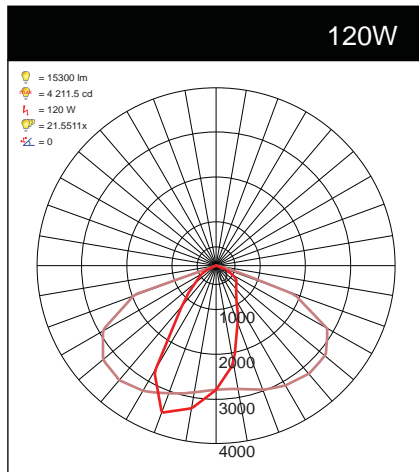
Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura WM120	120W	45 LEDs	0.52A	10kg	<3500K 4000K 5000K 6000K	128 lm/w 133 lm/w 136 lm/w 140 lm/w	15,300 lm 15,800 lm 16,300 lm 16,800 lm
OLE Dura WM180	180W	90 LEDs	0.78A	10kg	<3500K 4000K 5000K 6000K	139 lm/w 142 lm/w 146 lm/w 151 lm/w	25,000 lm 25,500 lm 26,200 lm 27,100 lm
OLE Dura WM240	240W	90 LEDs	1.04A	13kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 128 lm/w 132 lm/w	29,300 lm 29,900 lm 30,700 lm 31,600 lm
OLE Dura WM300	300W	135 LEDs	1.30A	16.5kg	<3500K 4000K 5000K 6000K	133 lm/w 135 lm/w 138 lm/w 143 lm/w	39,900 lm 40,500 lm 41,400 lm 42,800 lm

* Flux data based on Ta = 25°C.

* CCT & Lumen +/-10%.

Photometric Data



FACADE LIGHTING

OLE DURA FL SERIES



Features

- To complement the native 5° lens, five standard secondary spread lenses can customize the fixture to produce 13°, 33°, 63°, 120° and 27°x112° beam angle. The option to add or combine a louver, full glare shield or half glare shield creates new aesthetic.
- Universal power input range or 220V~240V available.
- Rugged, slim-profile mounting bracket allows simple positioning and fixture rotation through a full 360°, Side locking bolts reliably secure fixture with a standard wrench.
- OLE DURA FL Series allows customizable beam angles for Bridge, Building, Facade Lighting and etc.

Characteristics

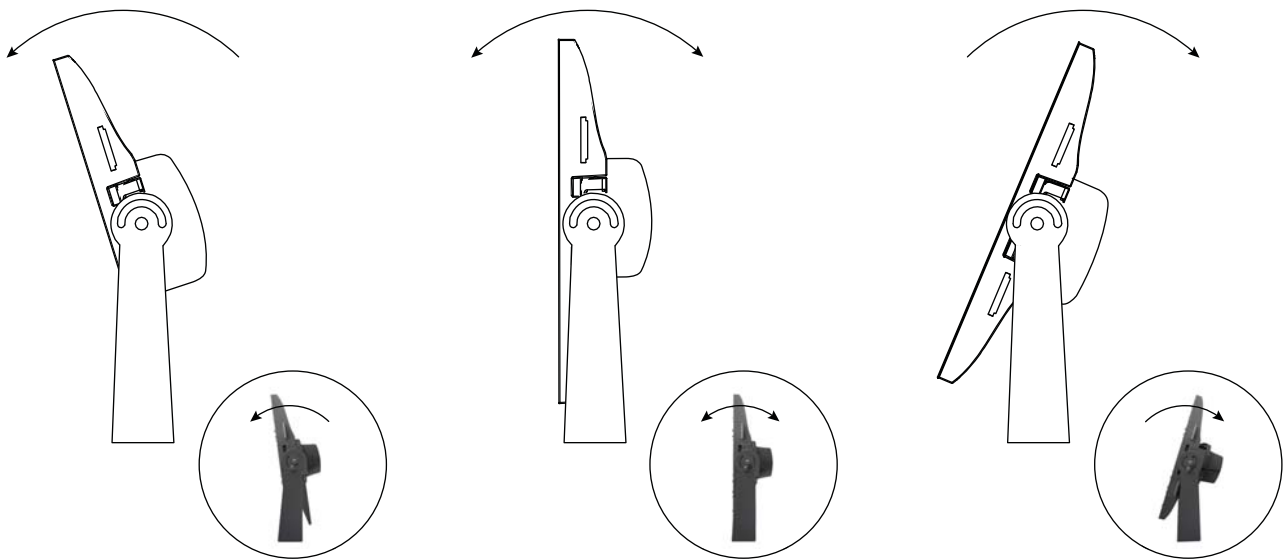
Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load

FACADE LIGHTING

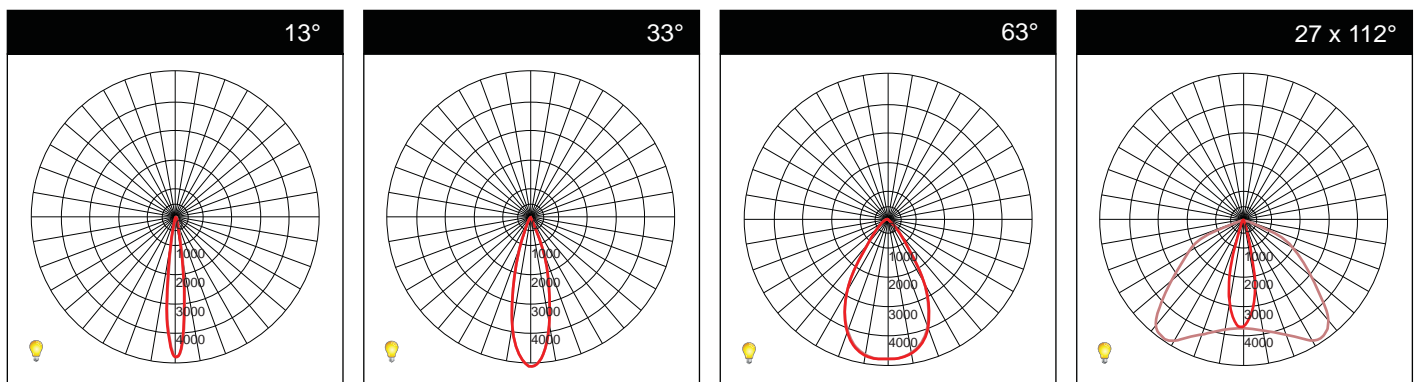
OLE DURA FL SERIES

Simple Fixture Positioning

Rugged, slim profile mounting bracket allows simple positioning and fixture rotation through at full 360°. Side locking bolts reliably secure fixture with a standard wrench.



Photometric Data



FACADE LIGHTING

OLE DURA FL SERIES

Construction of OLE DURA FL

Casing Material
Pressure Casted Aluminum ADC12,
Powder-Coated Finishing

Access to Gear and
Electronic Compartment

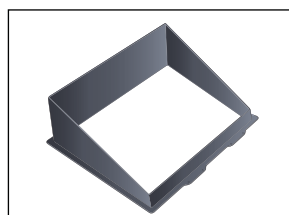


Cover
5mm Tempered Glass

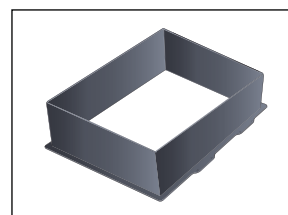
LED Module
RGBW/RGBA/RGB



Optional for
Stainless Steel
Bracket



Half glare shield



Full glare shield

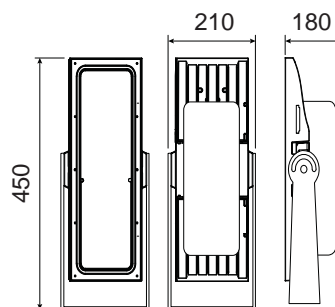
Accessories
Extra Glare Control
Protection.

FACADE LIGHTING

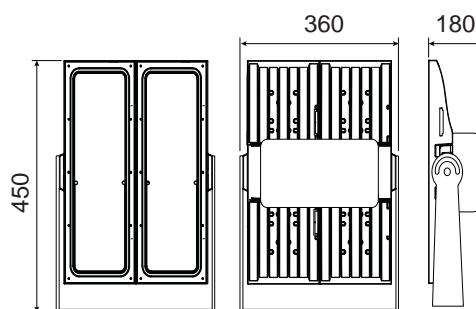
OLE DURA FL SERIES

* All Dimension in MM

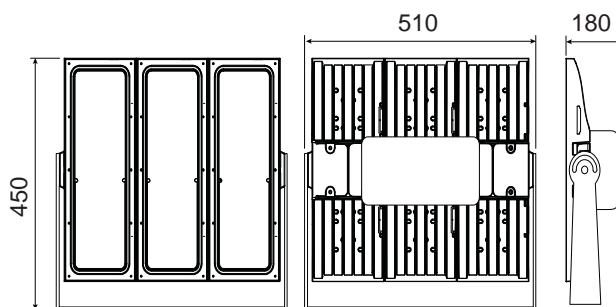
OLE Dura FL100



OLE Dura FL200



OLE Dura FL300



FACADE LIGHTING

OLE DURA FL SERIES

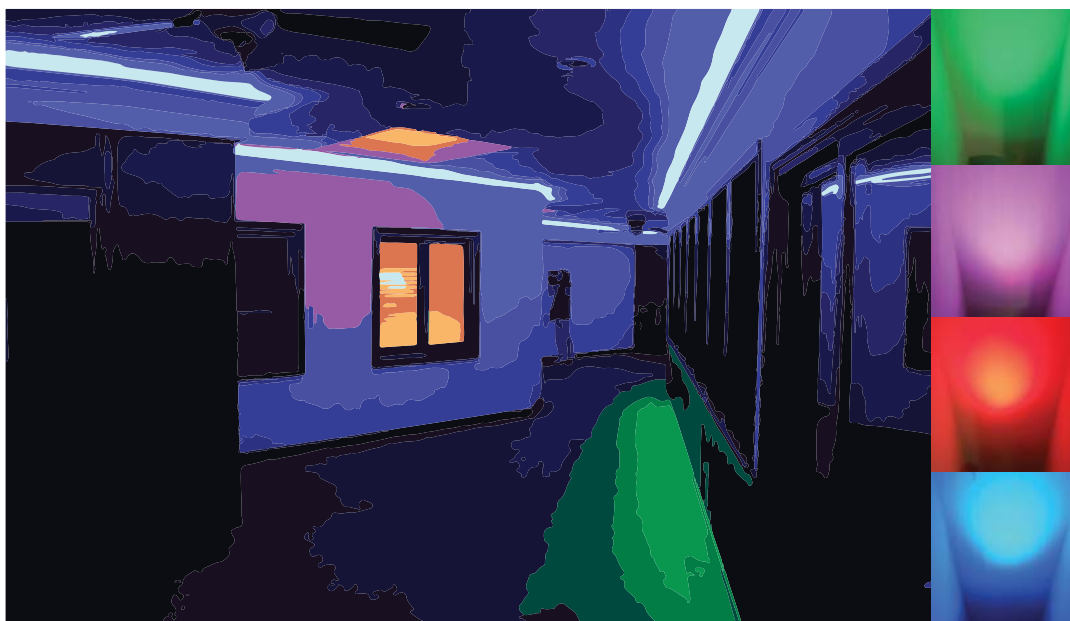
Specification

Model No.	Power	Lamp	Input current	Weight	LED Colour	Efficacy	Lumen
OLE Dura FL100	100W	48 LEDs	0.43A	7kg	RGB RGBW RGBA	45 lm/w	4,500 lm
OLE Dura FL200	200W	96 LEDs	0.86A	10.5kg	RGB RGBW RGBA	45 lm/w	9,000 lm
OLE Dura FL300	300W	144 LEDs	1.30A	15kg	RGB RGBW RGBA	45 lm/w	13,500 lm

* Control Interface : Data Enabler Pro (DMX)

* Flux data based on CREE LED, 33° Beam angle, Ta = 25°C.

* Lumen +-10%



FLOODLIGHT


OLE EVO PRO


Compliances LED Module : IEC62717, IEC62031, LM79.





Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE EVO PRO40	40W	12 LED	0.17A	2.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	4240 lm 4280 lm 4320 lm 4360 lm
OLE EVO PRO80	80W	24 LED	0.34A	3.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	8480 lm 8560 lm 8640 lm 8720 lm
OLE EVO PRO120	120W	36 LED	0.52A	4.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	12720 lm 12840 lm 12960 lm 13080 lm
OLE EVO PRO160	160W	48 LED	0.69A	5.4kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	16960 lm 17120 lm 17280 lm 17440 lm
OLE EVO PRO200	200W	60 LED	0.86A	6.2kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	21200 lm 21400 lm 21600 lm 21800 lm
OLE EVO PRO240	240W	72 LED	1.04A	7.0kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	25440 lm 25680 lm 25920 lm 26160 lm
OLE EVO PRO320	320W	96 LED	1.39A	9.1kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	33920 lm 34240 lm 34560 lm 34880 lm
OLE EVO PRO480	480W	144 LED	2.08A	13kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	50880 lm 51360 lm 51840 lm 52320 lm
OLE EVO PRO800	800W	240 LED	3.47A	21kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	84800 lm 85600 lm 86400 lm 87200 lm

Carton Dimension

 OLE EVO PRO40
360x260x250
(4 Packed in 1 carton)

 OLE EVO PRO80
360x260x250
(2 Packed in 1 carton)

 OLE EVO PRO120
360x260x250
(2 Packed in 1 carton)

 OLE EVO PRO160
360x260x250
(2 Packed in 1 carton)

 OLE EVO PRO200
450x310x150

 OLE EVO PRO240
600x350x150

 OLE EVO PRO320
550x435x150

 OLE EVO PRO480
550x580x150

 OLE EVO PRO800
900x580x150

*Reported CCT and System Lumen may have a tolerance of 10%

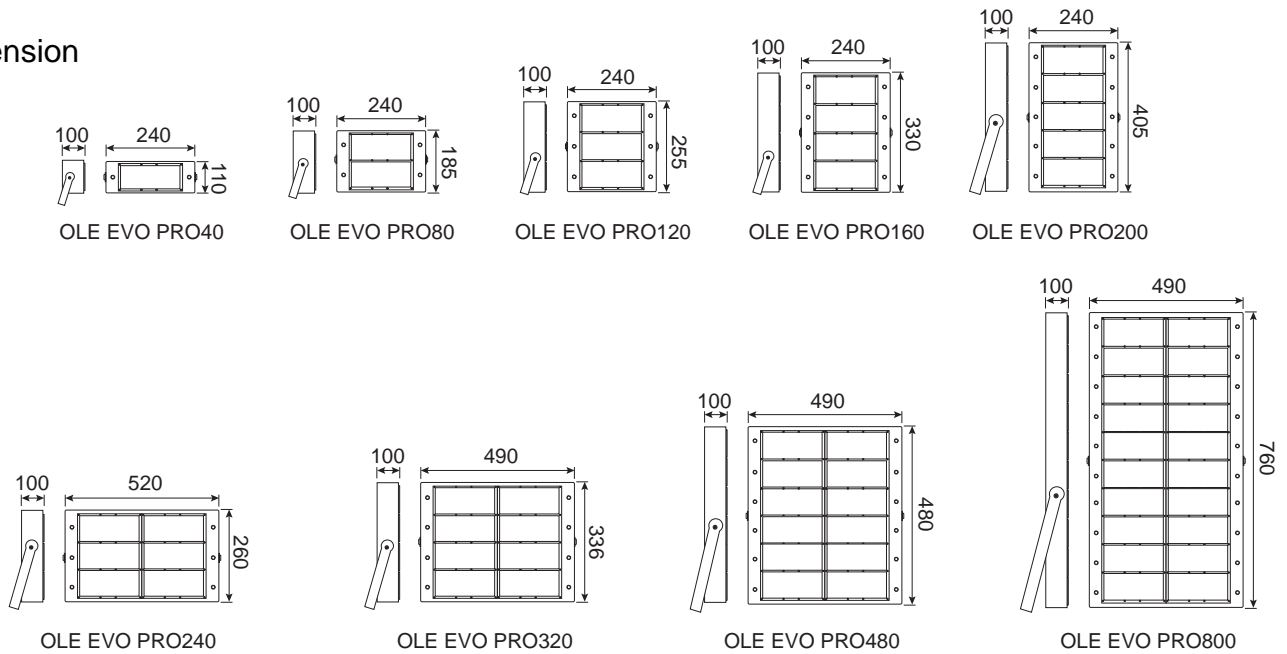
FLOODLIGHT

OLE EVO PRO

Technical Data

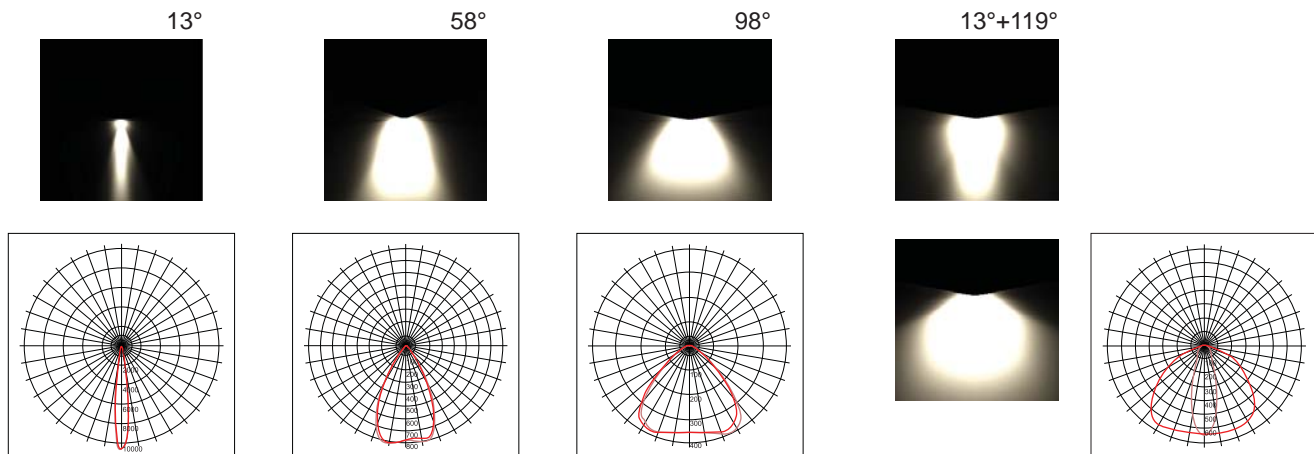
Input voltage	: AC220-240V
Light source	: LED
Protection	: IP66
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Color rendering Index (CRI)	: >70 - 90
Working temperature	: -40°C ~ +50C
Working humidity	: RH 10%~90%
Passes impact level	: IK07
Beam Angle	: 13°, 58°, 98°, 31°+119°
Surge protection device (SPD)	: 10kA
Dimming	: Philips/MeanWell/Inventronics Support 1-10V & DALI Dimming (optional)
Casing material	: LED module - Extrusion Aluminum Fixture casing - Galvanized steel with outdoor epoxy powder coating
Lens	: PLEXIGLAS®

Dimension



* All Dimension in MM

Photometric Data



Application







* Applicable for tennis court, complex sport lighting, outdoor/indoor stadium, area lighting, car park, highway toll area and facade lighting.

FLOODLIGHT

OLE EVO ColorPRO

Compliances LED Module : IEC62717, IEC62031, LM79.

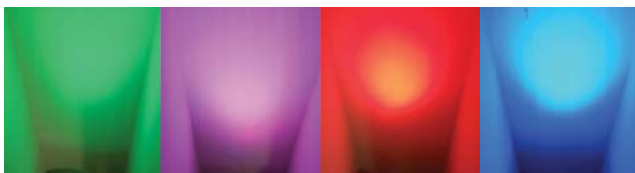


Model No.	Power	Lamp	Input current	Weight	LED colour	Efficacy	Lumen	Carton Dimension
OLE EVO ColorPRO24	24W	12 LED	0.10A	2.3kg	R/G/B/RGB	45 lm/w	1080 lm	 OLE EVO ColorPRO24 360x260x250 (4 Packed in 1 carton)
OLE EVO ColorPRO48	48W	24 LED	0.20A	3.3kg	R/G/B/RGB	45 lm/w	2160 lm	 OLE EVO ColorPRO48 360x260x250 (2 Packed in 1 carton)
OLE EVO ColorPRO72	72W	36 LED	0.31A	4.3kg	R/G/B/RGB	45 lm/w	3240 lm	 OLE EVO ColorPRO72 360x260x250 (2 Packed in 1 carton)
OLE EVO ColorPRO96	96W	48 LED	0.41A	5.4kg	R/G/B/RGB	45 lm/w	4320 lm	 OLE EVO ColorPRO96 360x260x250 (2 Packed in 1 carton)
OLE EVO ColorPRO120	120W	60 LED	0.52A	6.2kg	R/G/B/RGB	45 lm/w	5400 lm	 OLE EVO ColorPRO120 450x310x150
OLE EVO ColorPRO144	144W	72 LED	0.62A	7.0kg	R/G/B/RGB	45 lm/w	6480 lm	 OLE EVO ColorPRO144 600x350x150

*Reported System Lumen may have a tolerance of 10%

Technical Data

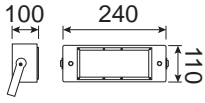
Input voltage	: AC220-240V
Light source	: LED
Protection	: IP66
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Working temperature	: -40°C ~ +50C
Working humidity	: RH 10%~90%
Passes impact level	: IK07
Beam Angle	: 13°, 58°, 98°, 31°+119°
Surge protection device (SPD)	: 10kA
Dimming	: Support 1-10V & DALI Dimming (optional), Support DMX 512
Casing material	: LED module - Extrusion Aluminum Fixture casing - Galvanized steel with outdoor epoxy powder coating
Lens	: PLEXIGLAS®



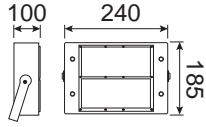
FLOODLIGHT

OLE EVO ColorPRO

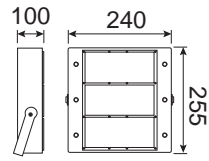
Dimension



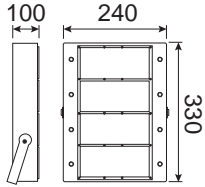
OLE EVO ColorPRO24



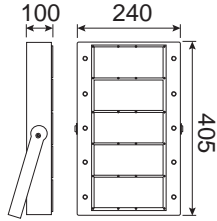
OLE EVO ColorPRO48



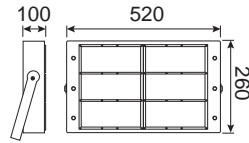
OLE EVO ColorPRO72



OLE EVO ColorPRO96



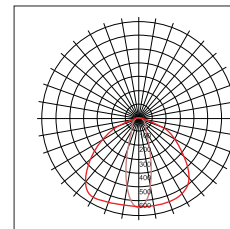
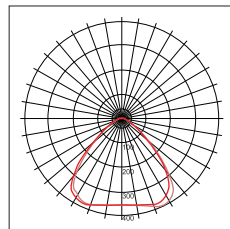
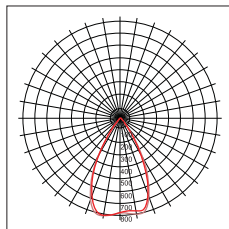
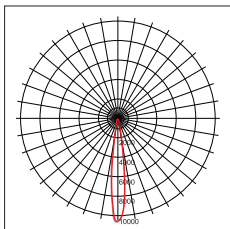
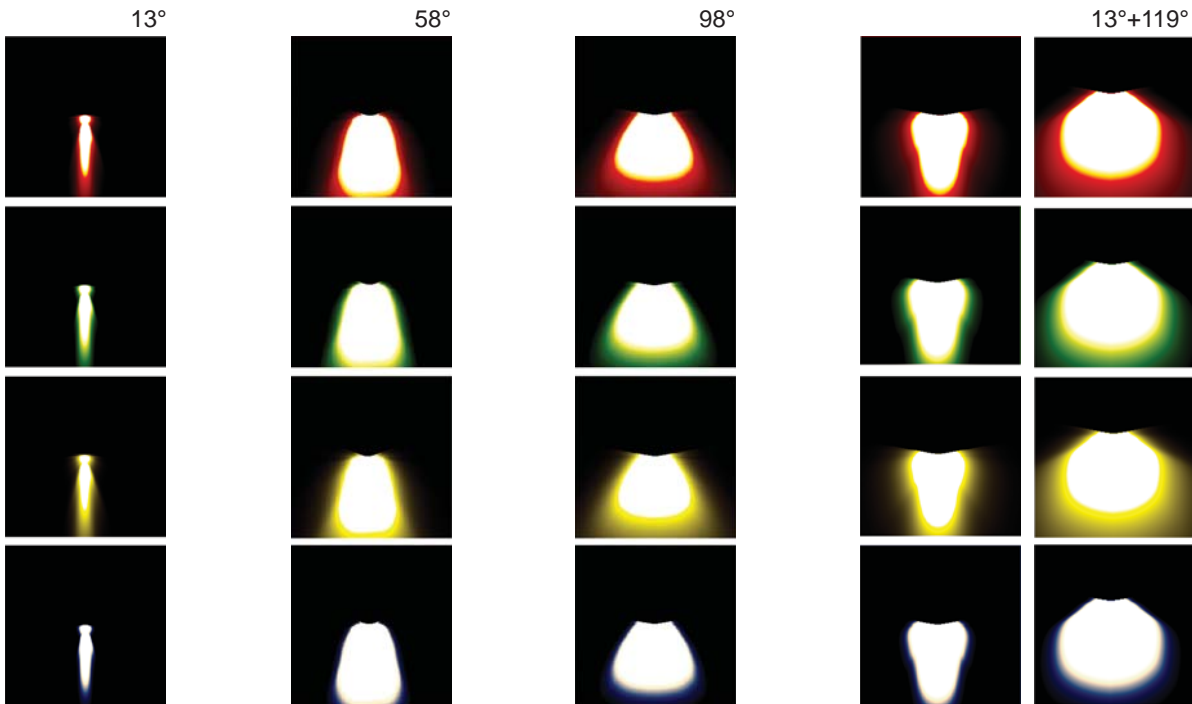
OLE EVO ColorPRO120



OLE EVO ColorPRO144

* All Dimension in MM

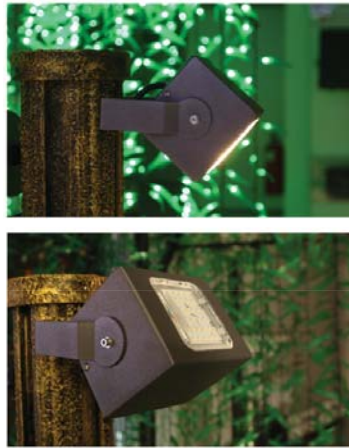
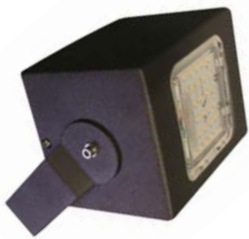
Photometric Data



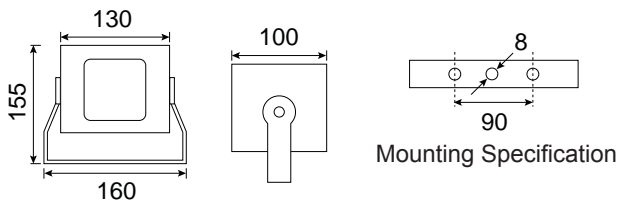
Application

* Applicable for billboard, area lighting, building, facade lighting and bridge.

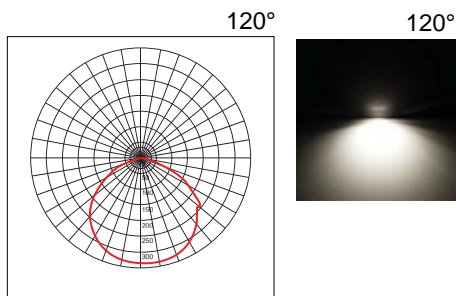
SPOTLIGHT



Dimension:



Photometric Data:



OLE Evo Square

Model No.	OLE Evo Square 20	OLE Evo Square 30
Power	20W	30W
Lumen	2000lm	3000lm
Input current	0.08A	0.13A


* Lumen mentioned for White light only
* Must Install SPD for protection

Technical Data:

- Protection : IP66
- Input Voltage : AC 220-240V , 50/60Hz
- System Luminous Efficiency : 100 lm /w
- Operating Temperature : -40°C ~ +50°C
- Lifetime : L80>50,000 hours
- Beam Angle : 120°
- Surge Protection : 2kV
- Weight : 0.8kg

Material:

- Casing Material : LED Module - Extrusion Aluminum
- Fixture casing : Galvanized Steel with Outdoor Powder Coating
- Dimming : Not available

 OLE Evo Square
358(H) x 258 (W) x 236 (D)
(4 packed in 1 carton)

OLE SPOT MIDI

Power	12W	26W	40W
Lumen	1200lm	2600lm	4000lm

Technical Data:

- Protection : IP65
- Beam Angle : Narrow 15°, Medium 26°, Wide 52°

Material:

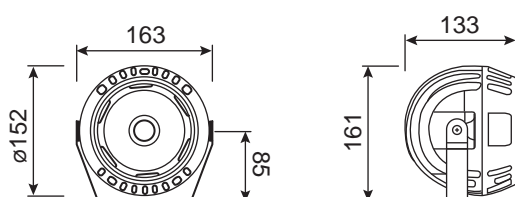
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Remote driver operation.

Application:

- Building facade, landscaping, entrance, security area, terraces and garden.



Dimension:



SPOTLIGHT



OLE L-PRO 7218

Power	12W	24W
Lumen	1200lm	2400lm

Technical Data:

- Protection : IP65
- Beam Angle : 18°, 30°, 55°, 73°

Material:

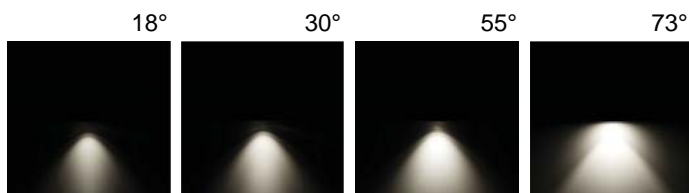
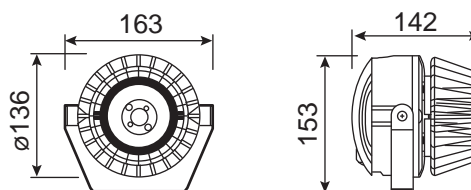
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Built-in constant current driver.

Application:

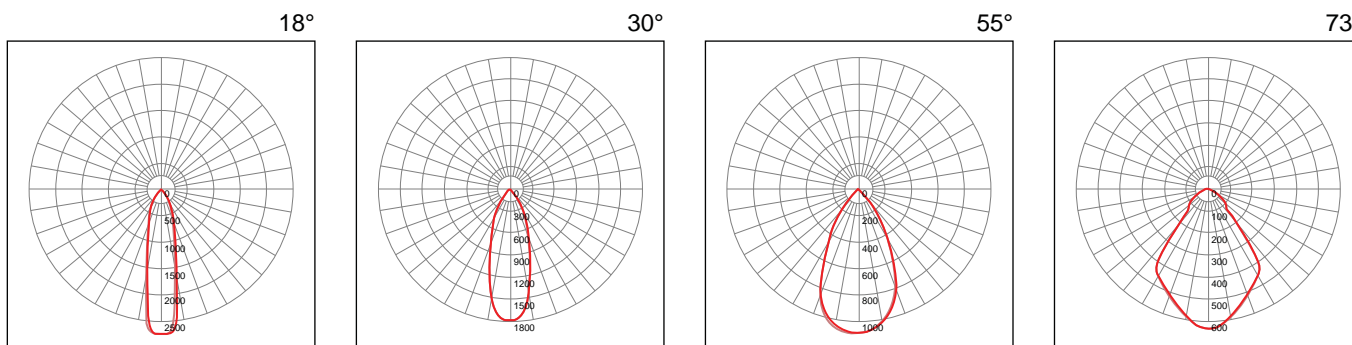
- Building facade, landscaping, entrance, security area, terraces and garden.



Dimension:



Photometric Data:



SPOTLIGHT



OLE L-PRO 7217

Power	12W	24W
Lumen	1200lm	2400lm

Technical Data:

- Protection : IP65
- Beam Angle : 18°, 30°, 55°, 73°

Material:

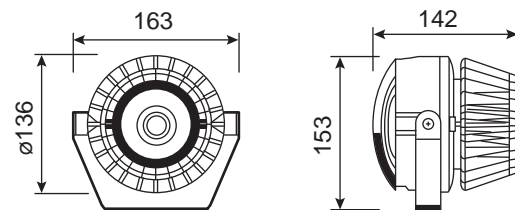
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Built-in constant current driver.

Application:

- Building facade, landscaping, entrances, security areas, terraces and garden.



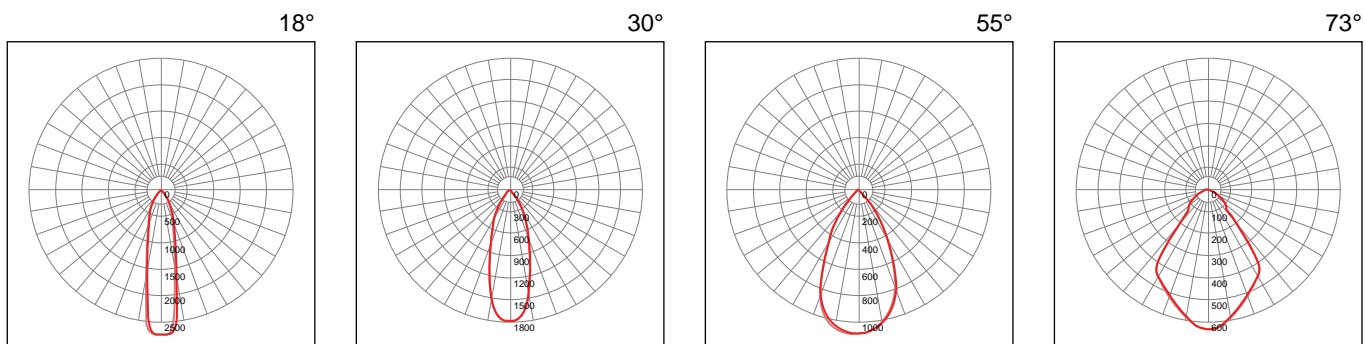
Dimension:



18° 30° 55° 73°



Photometric Data:



SPOTLIGHT

OLE L-PRO 7228



Power	38W	55W
Lumen	3800lm	5500lm

Technical Data:

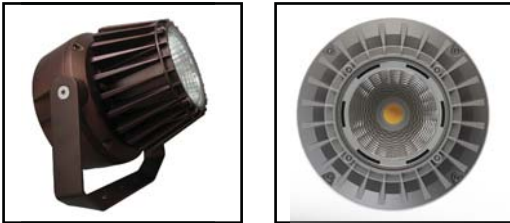
- Protection : IP65
- Beam Angle : Narrow 15°, Medium 23°, Wide 46°

Material:

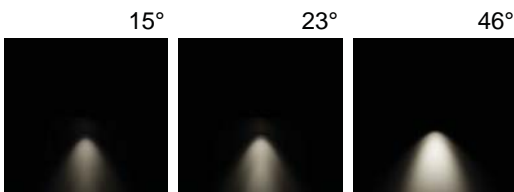
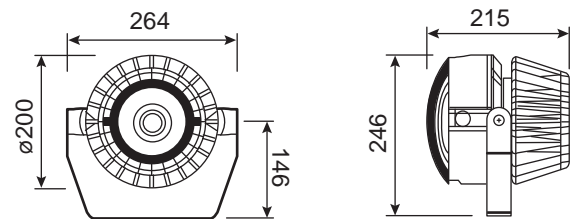
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Built-in constant current driver.

Application:

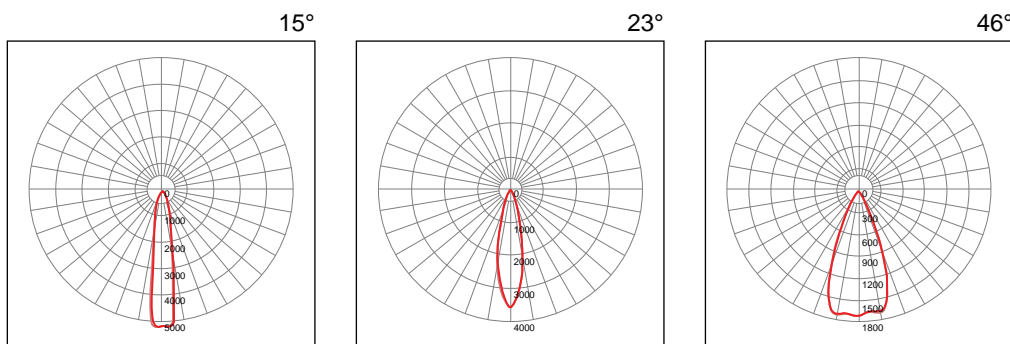
- Building facade, landscaping, entrance, security area, terraces and garden.



Dimension:



Photometric Data:



SPOTLIGHT



OLE L-PRO 7268

Power	38W	55W	75W
Lumen	3800lm	5500lm	7500lm

Technical Data:

- Protection : IP65
- Beam Angle : Narrow 15°, Medium 23°, Wide 46°

Material:

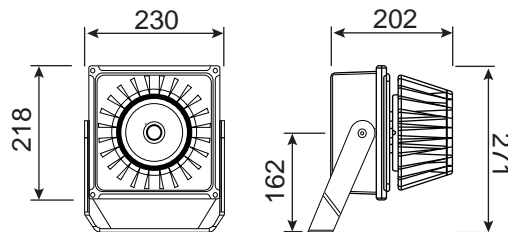
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Built-in constant current driver.

Application:

- Building facade, landscaping, entrance, security area, terraces and garden.



Dimension:



15°

23°

46°

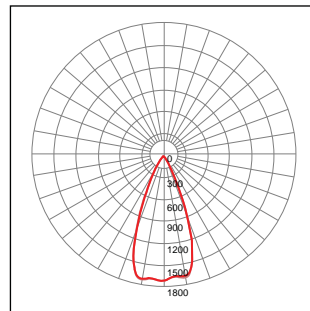
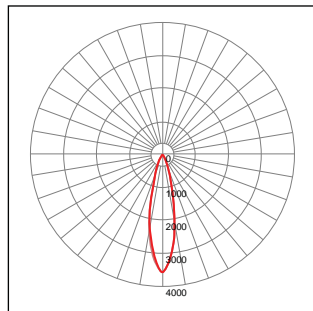
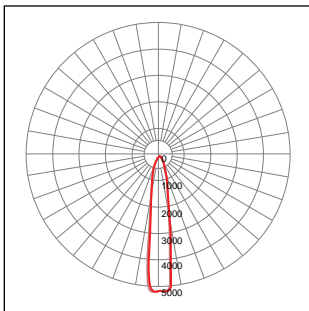


Photometric Data:

15°

23°

46°



SPOTLIGHT



OLE L-PRO 7248

Power	55W	75W
Lumen	5500lm	7500lm

Technical Data:

- Protection : IP65
- Beam Angle : Narrow 15°, Medium 23°, Wide 46°

Material:

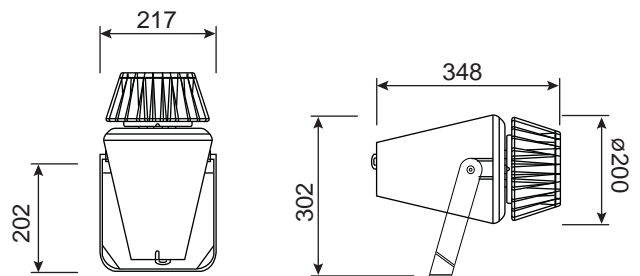
- Die-cast aluminum housing ADC12.
- Highly polished PC reflector.
- Built-in constant current driver.

Application:

- Building facade, landscaping, entrance, security area, terraces and garden.



Dimension:



15°

23°

46°

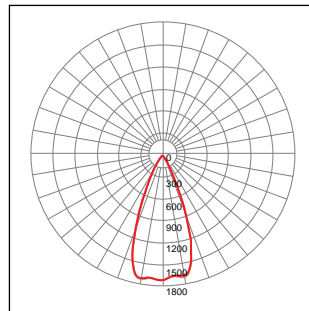
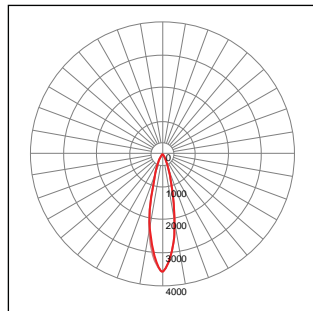
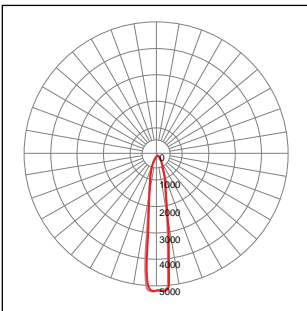


Photometric Data:

15°

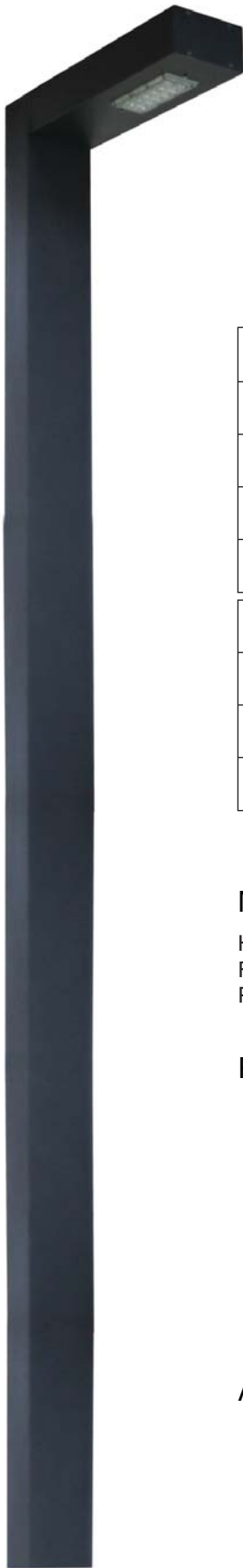
23°

46°



AREA LIGHTING (Rectangular)

OLE Atlas AL-S

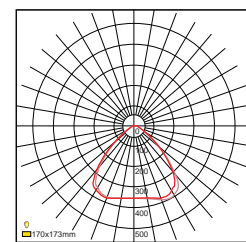
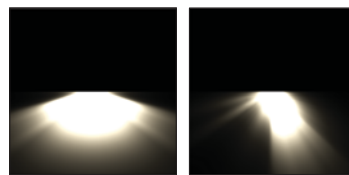
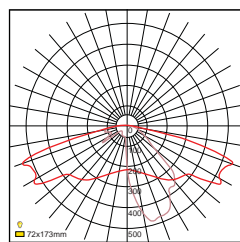


Model No.	Power	Height	Lamp	CRI	Weight	Lumen	Color
OLE Atlas AL-S-30W-3M	30W	3M	1 Module	>80	28.5kg	3600lm	Black / Dark Grey
OLE Atlas AL-S-30W-4M	30W	4M	1 Module	>80	34.9kg	3600lm	
OLE Atlas AL-S-30W-5M	30W	5M	1 Module	>80	41.3kg	3600lm	
OLE Atlas AL-S-30W-6M	30W	6M	1 Module	>80	47.7kg	3600lm	
OLE Atlas AL-S-60W-3M	60W	3M	2 Module	>80	30.7kg	7200lm	Black / Dark Grey
OLE Atlas AL-S-60W-4M	60W	4M	2 Module	>80	37.1kg	7200lm	
OLE Atlas AL-S-60W-5M	60W	5M	2 Module	>80	43.5kg	7200lm	
OLE Atlas AL-S-60W-6M	60W	6M	2 Module	>80	49.9kg	7200lm	

Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Photometric Data



Application

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

AREA LIGHTING (Rectangular)

OLE Atlas AL-D

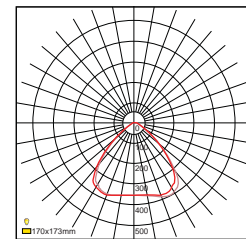
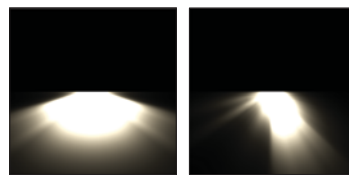
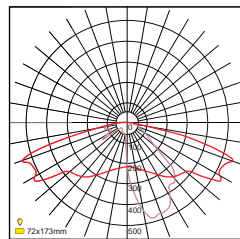


Model No.	Power	Height	Lamp	CRI	Weight	Lumen	Color
OLE Atlas AL-D-30W-3M	30W x 2	3M	1 Module x 2	>80	31.9kg	7200lm	Black / Dark Grey
OLE Atlas AL-D-30W-4M	30W x 2	4M	1 Module x 2	>80	38.3kg	7200lm	
OLE Atlas AL-D-30W-5M	30W x 2	5M	1 Module x 2	>80	44.7kg	7200lm	
OLE Atlas AL-D-30W-6M	30W x 2	6M	1 Module x 2	>80	51.1kg	7200lm	
OLE Atlas AL-D-60W-3M	60W x 2	3M	2 Module x 2	>80	36.3kg	14400lm	Black / Dark Grey
OLE Atlas AL-D-60W-4M	60W x 2	4M	2 Module x 2	>80	42.7kg	14400lm	
OLE Atlas AL-D-60W-5M	60W x 2	5M	2 Module x 2	>80	49.1kg	14400lm	
OLE Atlas AL-D-60W-6M	60W x 2	6M	2 Module x 2	>80	55.5kg	14400lm	

Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Photometric Data



Application

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





AREA LIGHTING (Rectangular)

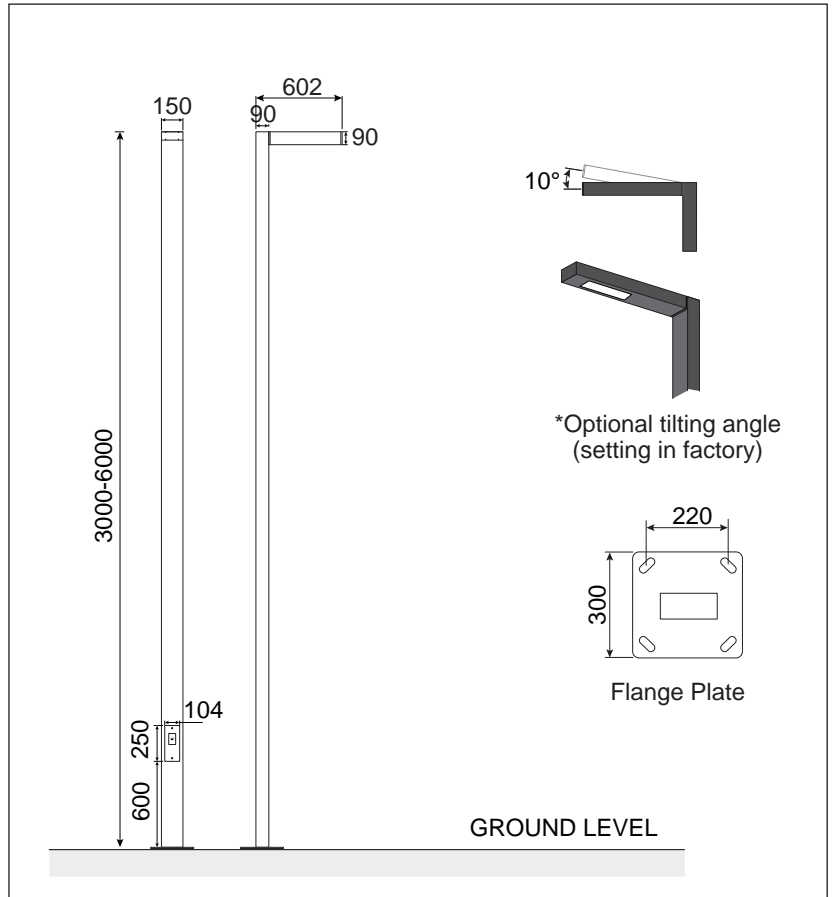
OLE Atlas AL-S



OLE Atlas AL-S-30W





Carton Dimension

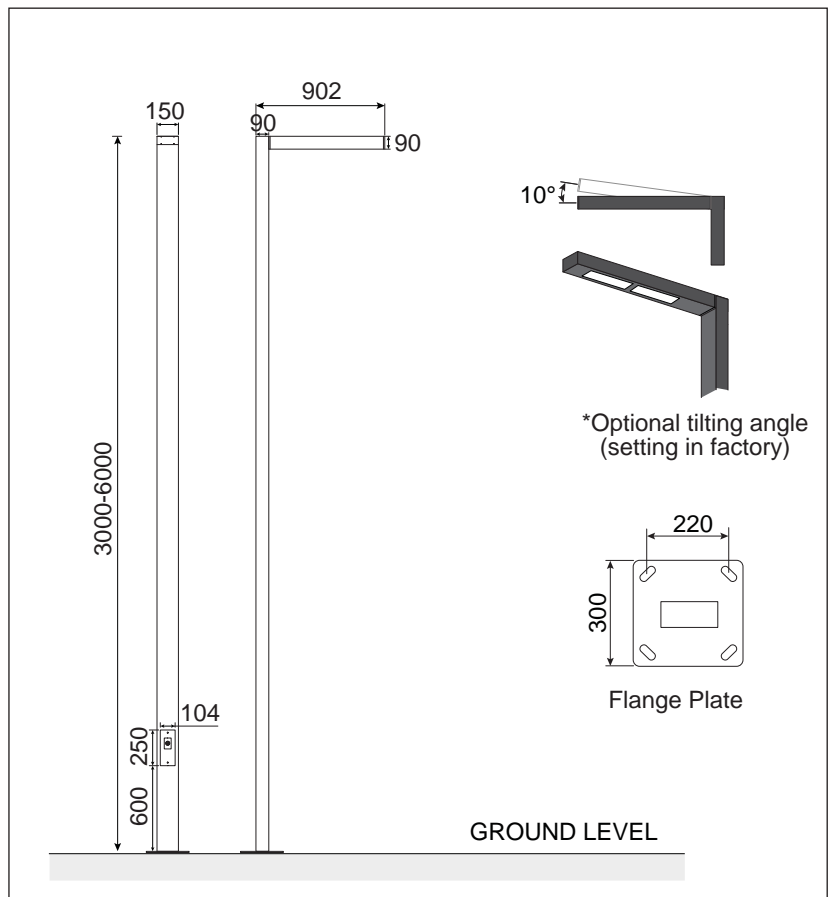
- | | |
|--|---|
|  OLE Atlas AL-S-30W-3M
555x170x110 (Light fitting)
3020x310x310 (Pole) |  OLE Atlas AL-S-30W-5M
555x170x110 (Light fitting)
5020x310x310 (Pole) |
|  OLE Atlas AL-S-30W-4M
555x170x110 (Light fitting)
4020x310x310 (Pole) |  OLE Atlas AL-S-30W-6M
555x170x110 (Light fitting)
6020x310x310 (Pole) |



OLE Atlas AL-S-60W

Carton Dimension

- | | |
|--|---|
|  OLE Atlas AL-S-60W-3M
830x170x110 (Light fitting)
3020x310x310 (Pole) |  OLE Atlas AL-S-60W-5M
830x170x110 (Light fitting)
5020x310x310 (Pole) |
|  OLE Atlas AL-S-60W-4M
830x170x110 (Light fitting)
4020x310x310 (Pole) |  OLE Atlas AL-S-60W-6M
830x170x110 (Light fitting)
6020x310x310 (Pole) |







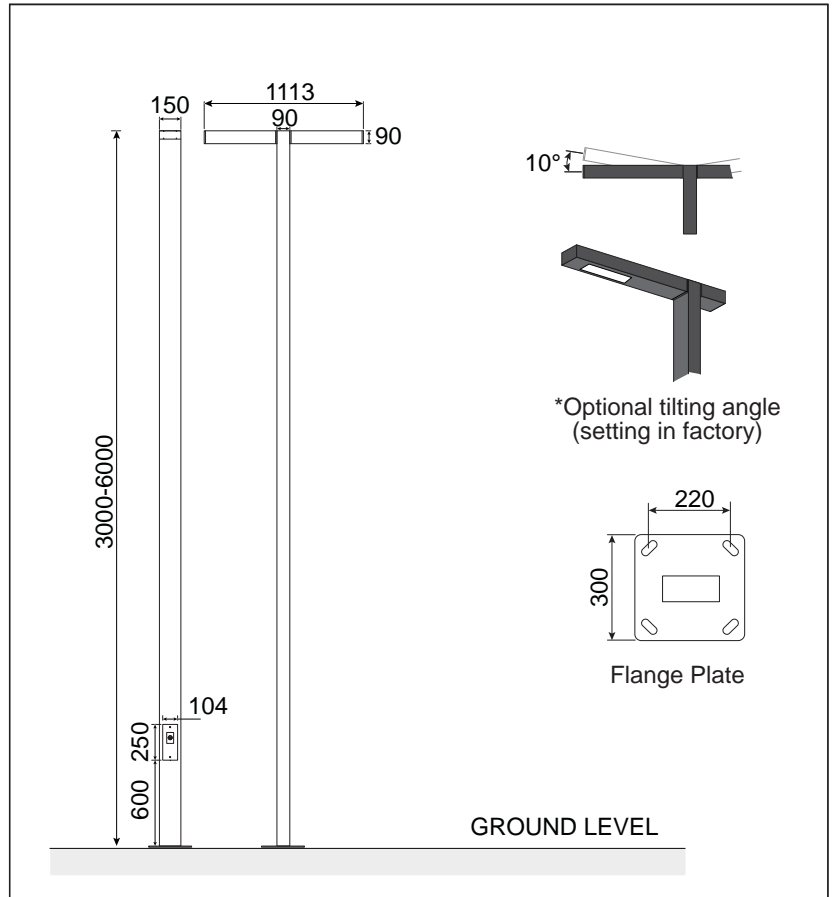
AREA LIGHTING (Rectangular)

OLE Atlas AL-D







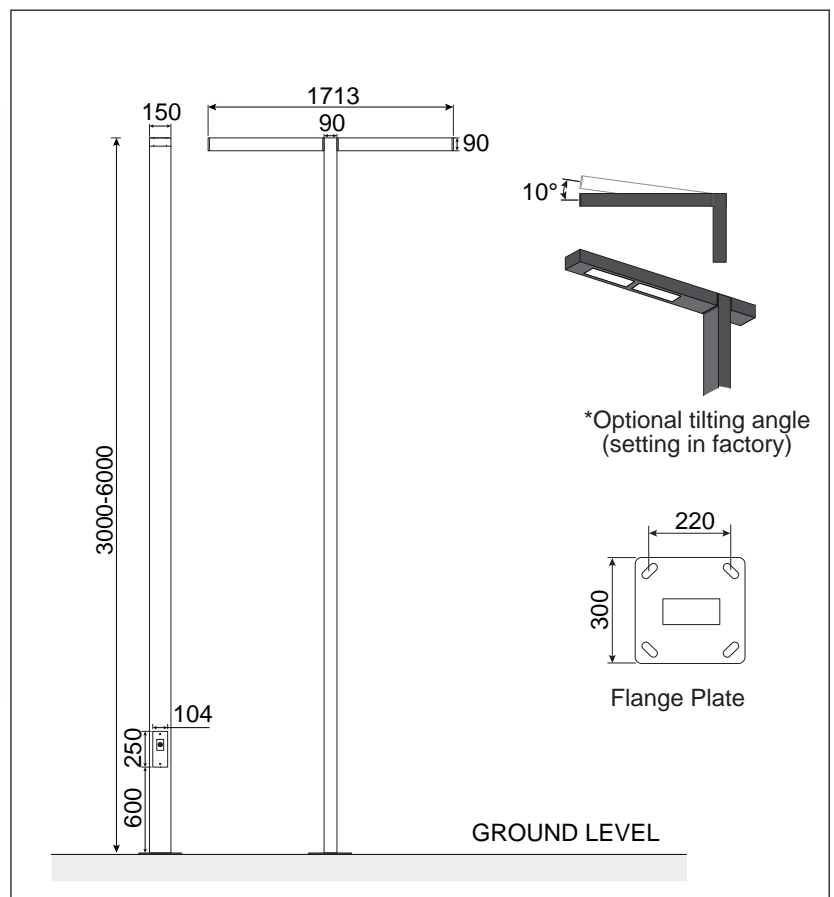
Carton Dimension

- | | |
|--|---|
|  OLE Atlas AL-D-30W-3M
555x170x210 (Light fitting)
3020x310x310 (Pole) |  OLE Atlas AL-D-30W-5M
555x170x210 (Light fitting)
5020x310x310 (Pole) |
|  OLE Atlas AL-D-30W-4M
555x170x210 (Light fitting)
4020x310x310 (Pole) |  OLE Atlas AL-D-30W-6M
555x170x210 (Light fitting)
6020x310x310 (Pole) |



Carton Dimension

- | | |
|--|---|
|  OLE Atlas AL-D-60W-3M
830x170x210 (Light fitting)
3020x310x310 (Pole) |  OLE Atlas AL-D-60W-5M
830x170x210 (Light fitting)
5020x310x310 (Pole) |
|  OLE Atlas AL-D-60W-4M
830x170x210 (Light fitting)
4020x310x310 (Pole) |  OLE Atlas AL-D-60W-6M
830x170x210 (Light fitting)
6020x310x310 (Pole) |



AREA LIGHTING (Square)

OLE Alpha



Model No.	Power	Height	Lamp	CRI	Weight	Lumen	Color
OLE Alpha AL-1-24W-2M	24W	2M	LED Strip	>80	10kg	1600lm	Black / Dark Grey
OLE Alpha AL-1-48W-3M	48W	3M	LED Strip	>80	15kg	3200lm	
OLE Alpha AL-2-48W-2M	48W	2M	LED Strip	>80	10kg	3200lm	
OLE Alpha AL-2-96W-3M	96W	3M	LED Strip	>80	15kg	6400lm	


Material


Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

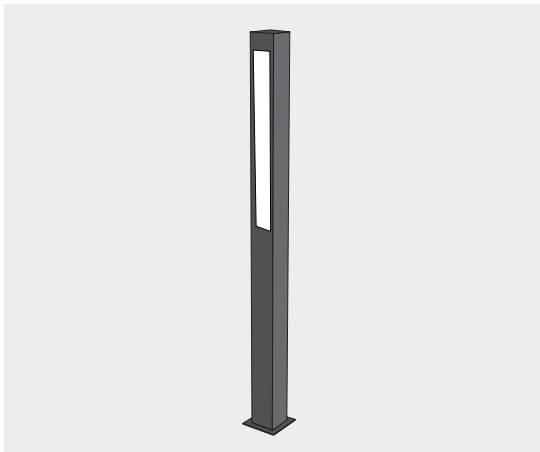
Application

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

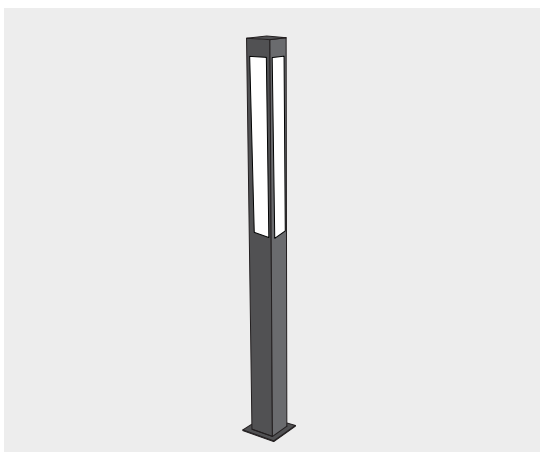
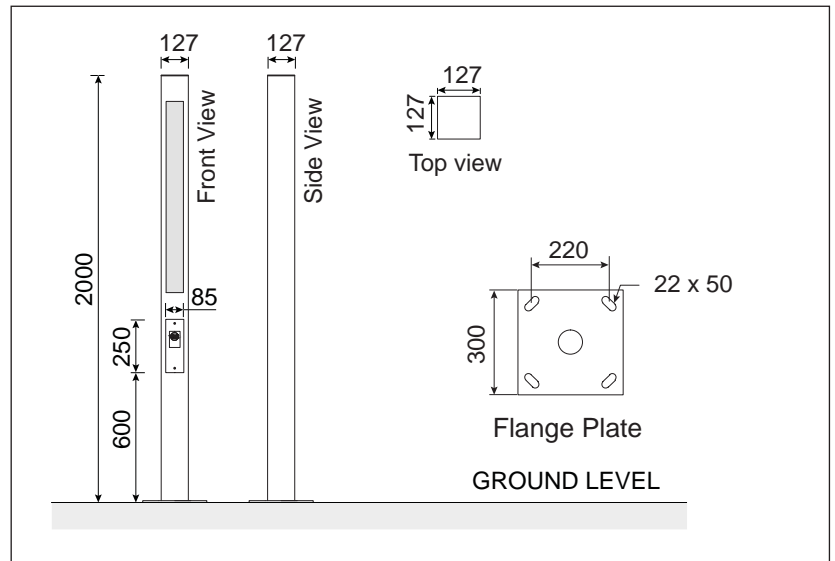
Carton Dimension

 OLE Alpha (2M)
2040x310x310

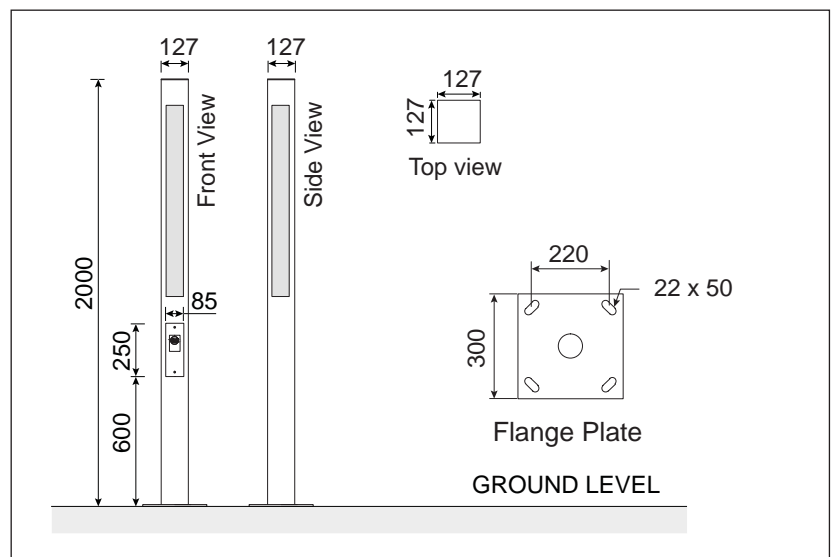
 OLE Alpha (3M)
3040x310x310



OLE Alpha AL-1-24W-2M
Front & Back Light Emitting Surface

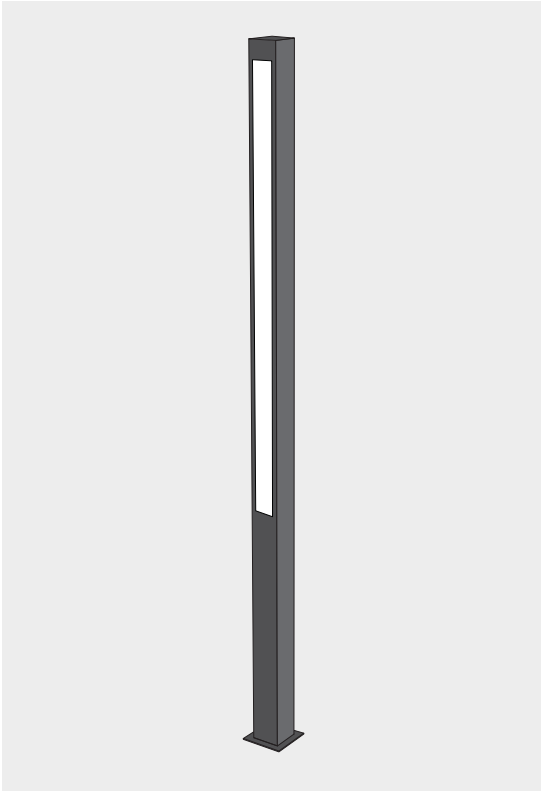


OLE Alpha AL-2-48W-2M
4-Sided Light Emitting Surface

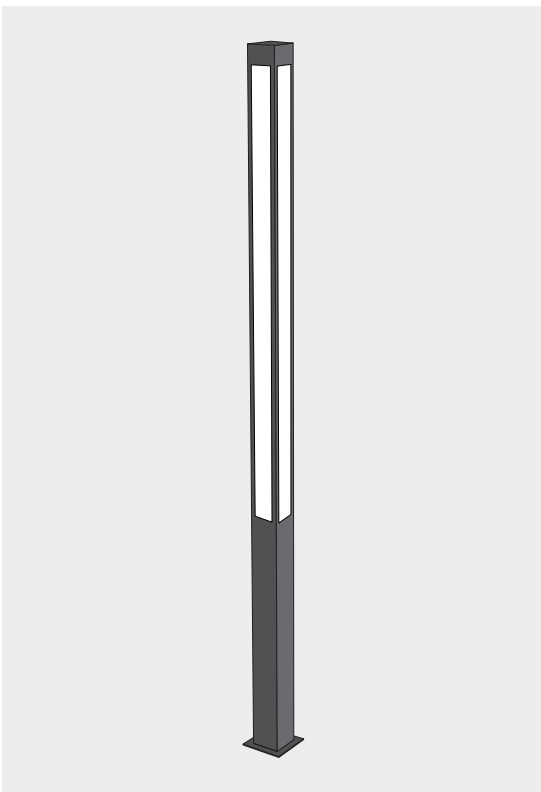
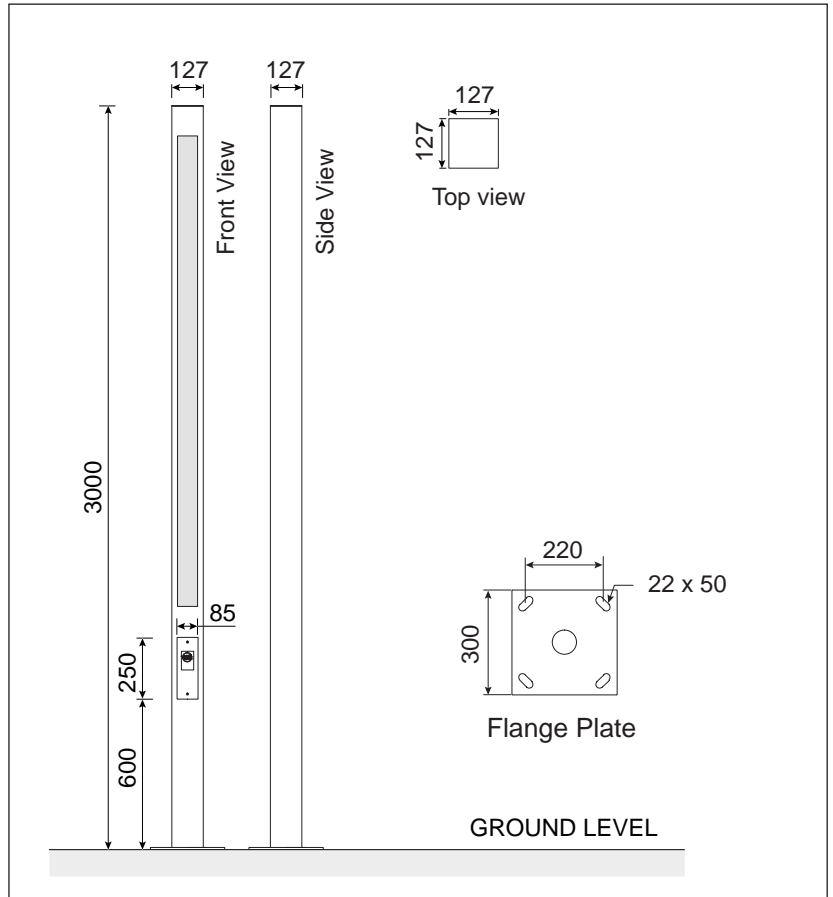


AREA LIGHTING (Square)

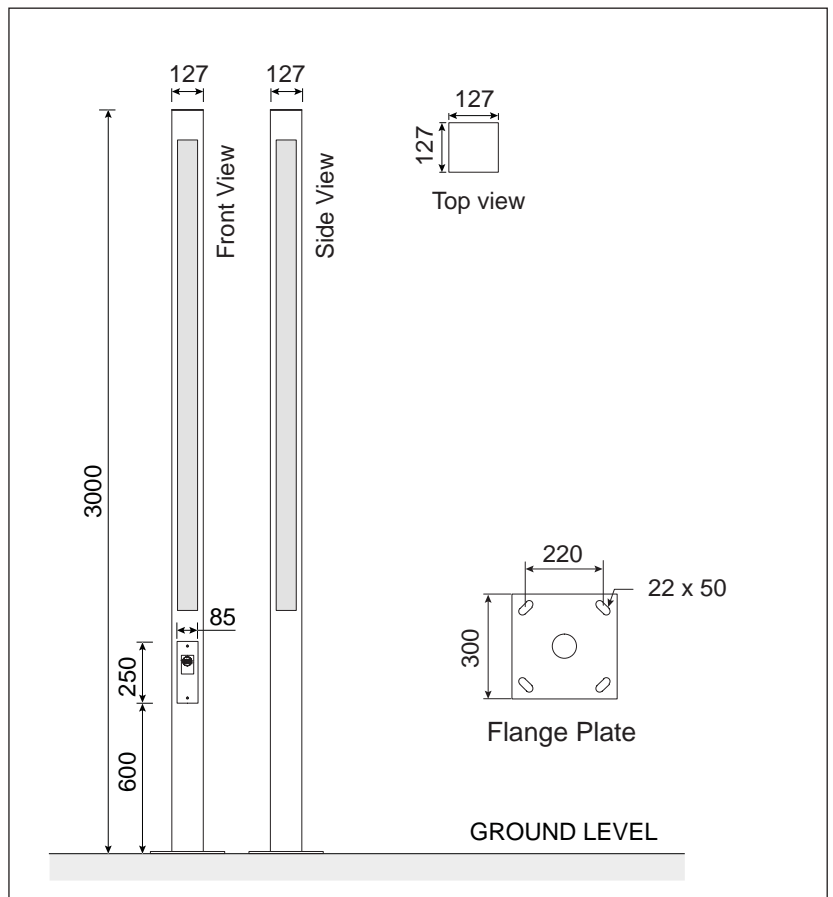
OLE Alpha



OLE Alpha AL-1-24W-3M
Front & Back Light Emitting Surface



OLE Alpha AL-2-96W-3M
4-Sided Light Emitting Surface



AREA LIGHTING (Round)

OLE Alcon



Model No.	Power	Height	Lamp	CRI	Weight	Lumen	Color
OLE Alcon AL-48W-2M	48W	2M	LED Strip	>80	15kg	3200lm	Black / Dark Grey
OLE Alcon AL-96W-3M	96W	3M	LED Strip	>80	20kg	6400lm	

*Available in Clear Diffuser and Opal Diffuser


Material


Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

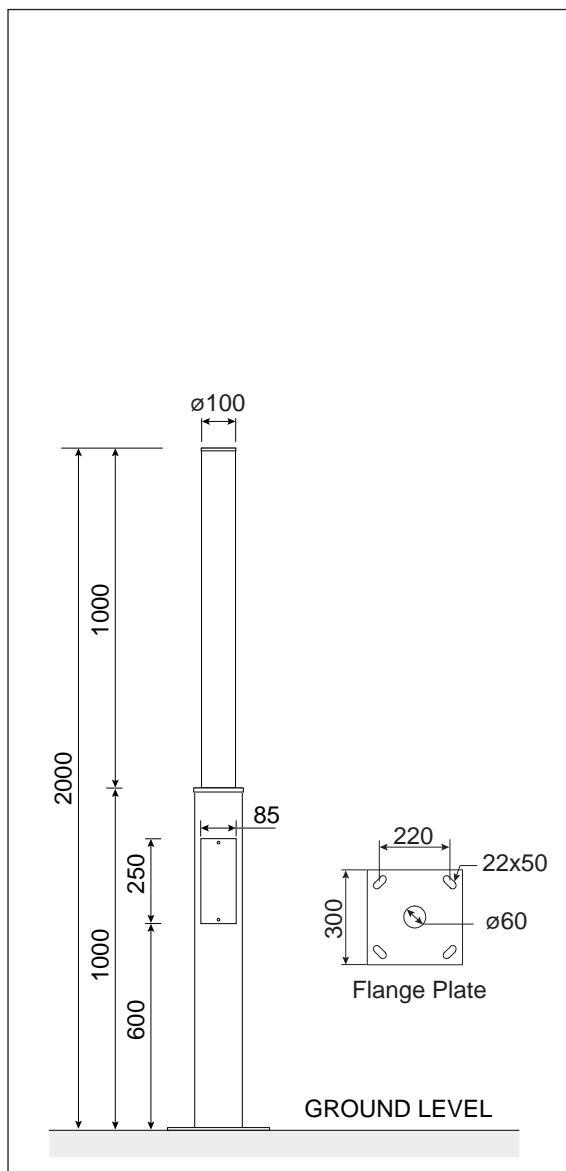
Application

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

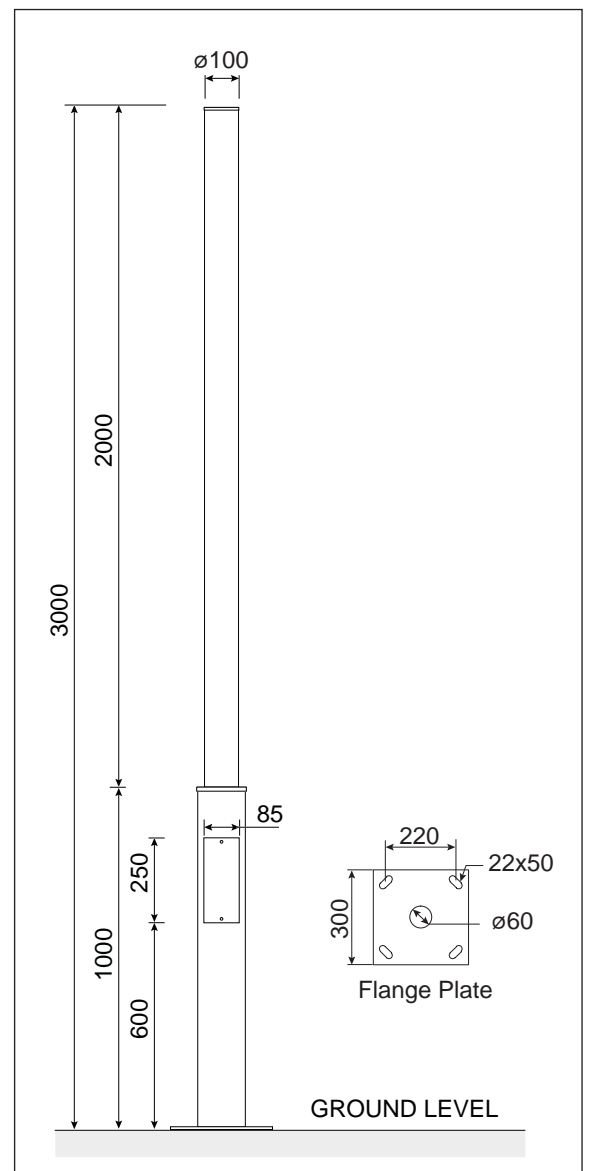
Carton Dimension

 OLE Alcon AL (2M)
2020x310x310

 OLE Alcon AL (3M)
3020x310x310



OLE Alcon AL-48W-2M



OLE Alcon AL-96W-3M

AREA LIGHTING (Round)

OLE Aso Area Light

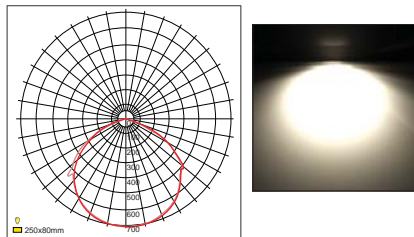


Model No.	Power	Height	Lamp	CRI	Weight	Lumen	Color
OLE Aso AL-S-30W-3M	30W	3M	LED x 1 Module	>80	22kg	3000lm	Black / Dark Grey
OLE Aso AL-S-30W-4M	30W	4M	LED x 1 Module	>80	27kg	3000lm	
OLE Aso AL-S-30W-5M	30W	5M	LED x 1 Module	>80	32kg	3000lm	
OLE Aso AL-S-30W-6M	30W	6M	LED x 1 Module	>80	37kg	3000lm	
OLE Aso AL-D-30W-3M	30Wx2	3M	LED x 2 Modules	>80	26kg	6000lm	Black / Dark Grey
OLE Aso AL-D-30W-4M	30Wx2	4M	LED x 2 Modules	>80	31kg	6000lm	
OLE Aso AL-D-30W-5M	30Wx2	5M	LED x 2 Modules	>80	36kg	6000lm	
OLE Aso AL-D-30W-6M	30Wx2	6M	LED x 2 Modules	>80	41kg	6000lm	

Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65









Photometric Data



Application

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

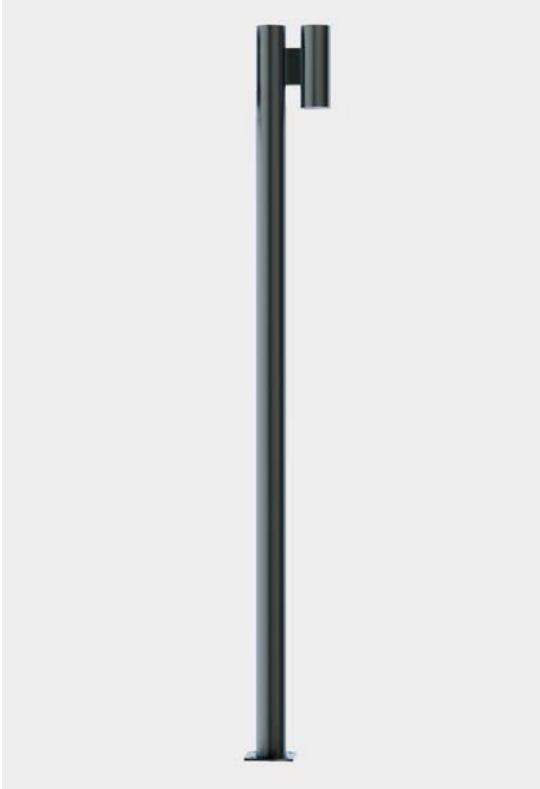
Carton Dimension

 OLE Aso AL-S-30W-3M 358x258x236 (Light fitting) 3020x310x310 (Pole)	 OLE Aso AL-D-30W-3M 358x258x236 (Light fitting) 3020x310x310 (Pole)
 OLE Aso AL-S-30W-4M 358x258x236 (Light fitting) 4020x310x310 (Pole)	 OLE Aso AL-D-30W-4M 358x258x236 (Light fitting) 4020x310x310 (Pole)
 OLE Aso AL-S-30W-5M 358x258x236 (Light fitting) 5020x310x310 (Pole)	 OLE Aso AL-D-30W-5M 358x258x236 (Light fitting) 5020x310x310 (Pole)
 OLE Aso AL-S-30W-6M 358x258x236 (Light fitting) 6020x310x310 (Pole)	 OLE Aso AL-D-30W-6M 358x258x236 (Light fitting) 6020x310x310 (Pole)

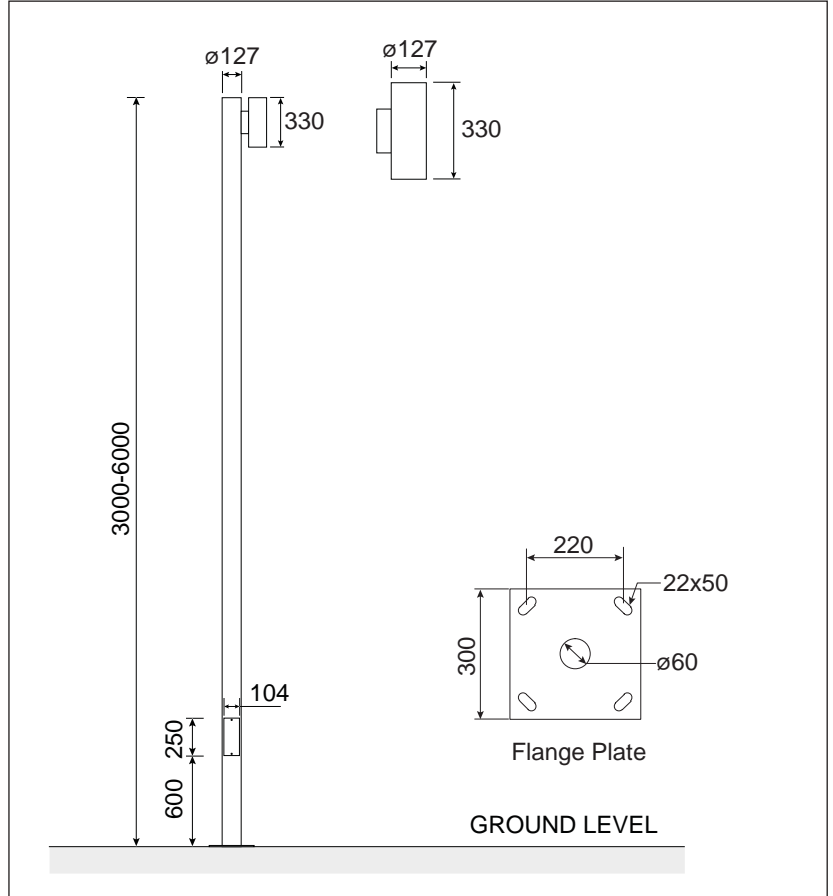
(2 Fitting Packed in 1 carton)

AREA LIGHTING (Round)

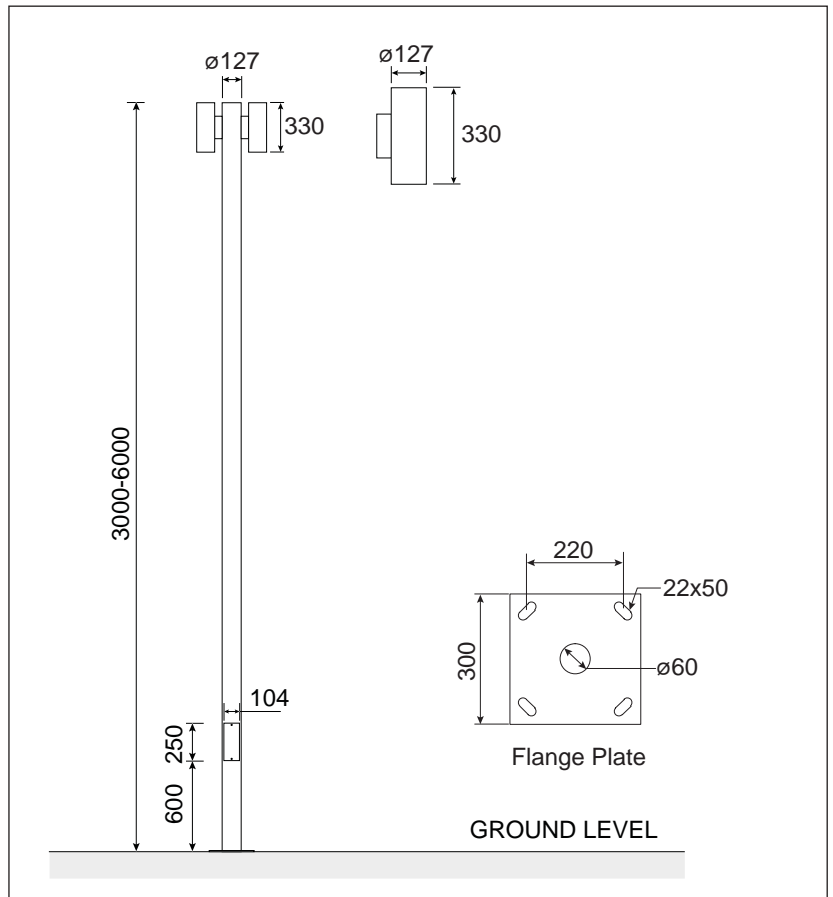
OLE Aso Area Light



OLE Aso AL-S



OLE Aso AL-D



BOLLARD (Rectangular)

OLE Albe



Model No.	Power	Lamp	CRI	Weight	Lumen	Color
OLE Albe	30W	LED	>80	7kg	2400lm	Black / Dark Grey


Material

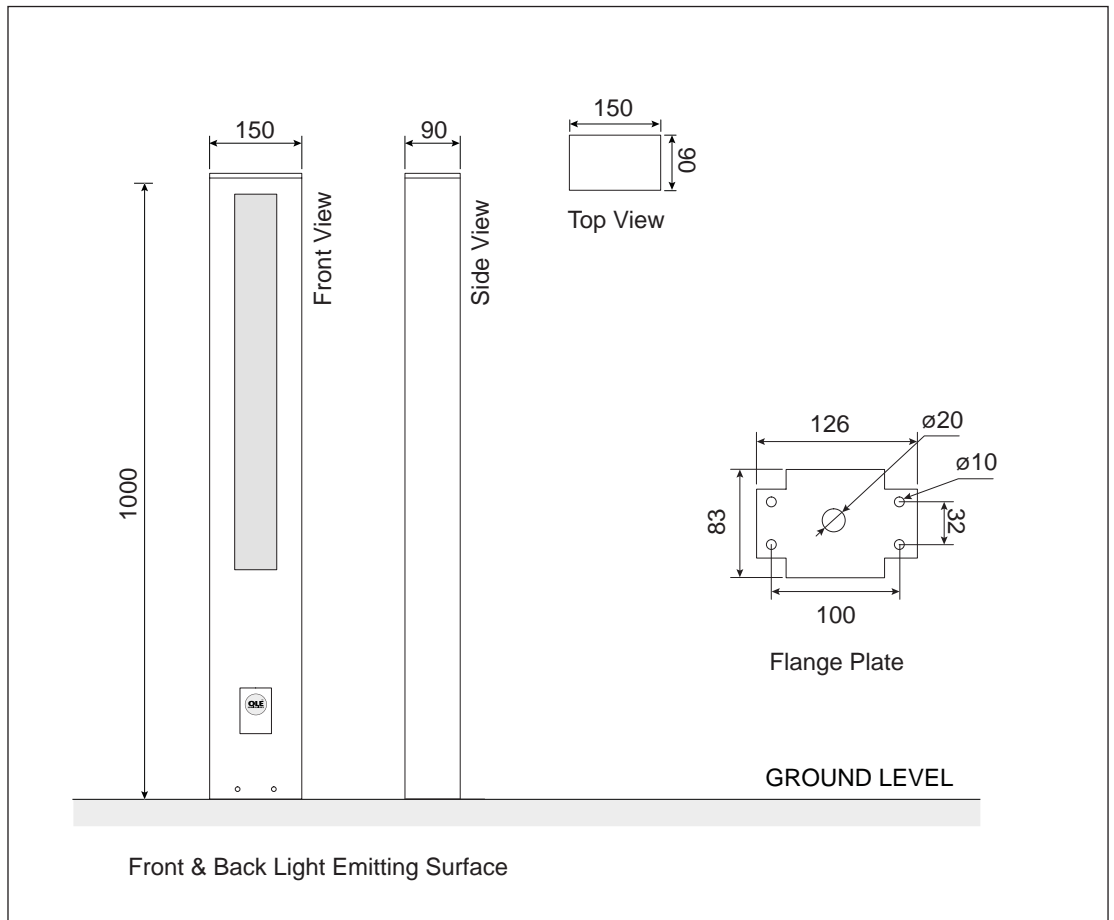
Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Application

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

Carton Dimension

 OLE Albe BL
1030x120x180



BOLLARD (Rectangular)

OLE Axia

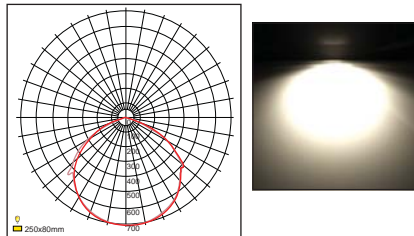


Model No.	Power	Lamp	CRI	Weight	Lumen	Color
OLE Axia S	15W	1 Module	>80	8.5kg	1500lm	Black / Dark Grey
OLE Axia D	15W x 2	2 Module	>80	10kg	3000lm	
OLE Axia T	15W x 2	2 Module	>80	10kg	3000lm	

Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Photometric Data



Application

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

Carton Dimension

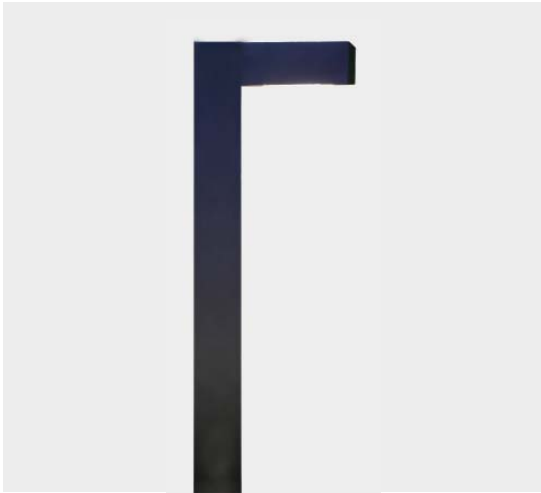
OLE Axia BL-S
1030x335x180

OLE Axia BL-D
1030x545x180

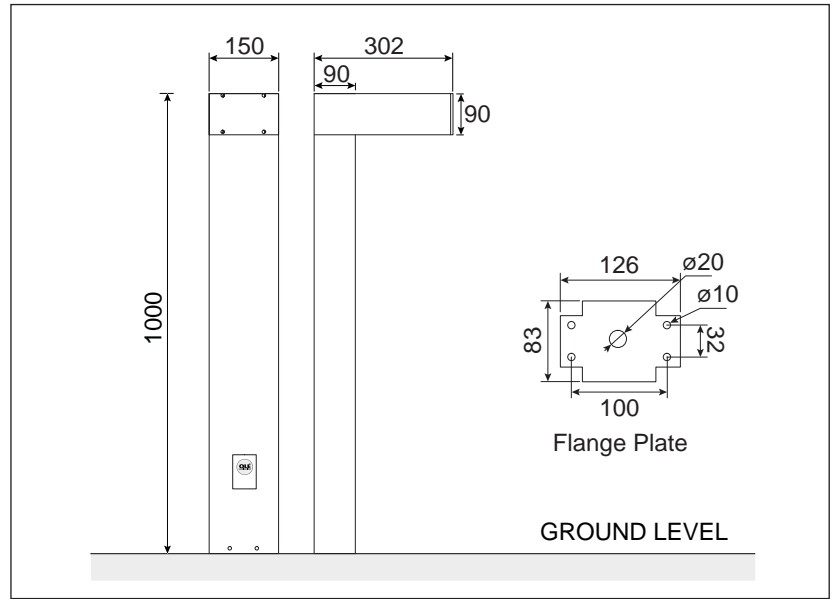


BOLLARD (Rectangular)

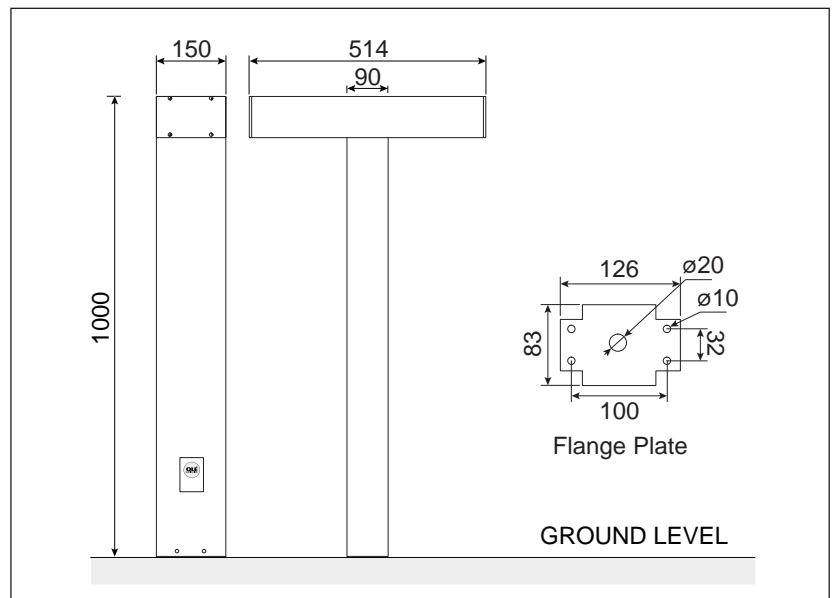
OLE Axia



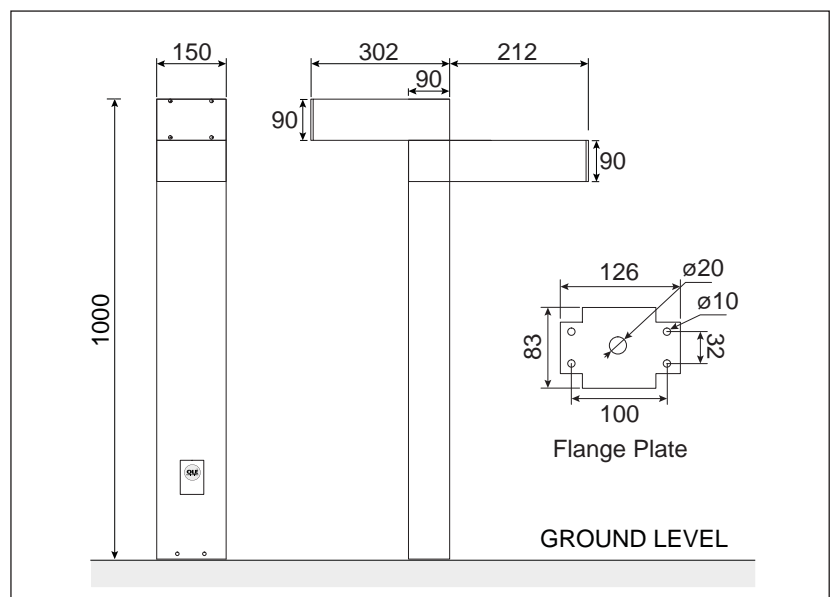
OLE Axia S



OLE Axia D



OLE Axia T



BOLLARD (Square)

OLE Aria



OLE Aria S

Model No.	Power	Lamp	CRI	Weight	Lumen	Color
OLE Aria S	9W	LED	>80	5kg	600lm	Black / Dark Grey
OLE Aria M	15W	LED	>80	5kg	1200lm	

Material

Housing Material : Extrusion aluminum AA 6063-T5
Finishing : Durable outdoor epoxy powder coated
Protection : IP65

Application

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

Carton Dimension



OLE Aria BL-S
1030x160x160



OLE Aria BL-M
1030x160x160



OLE Aria M



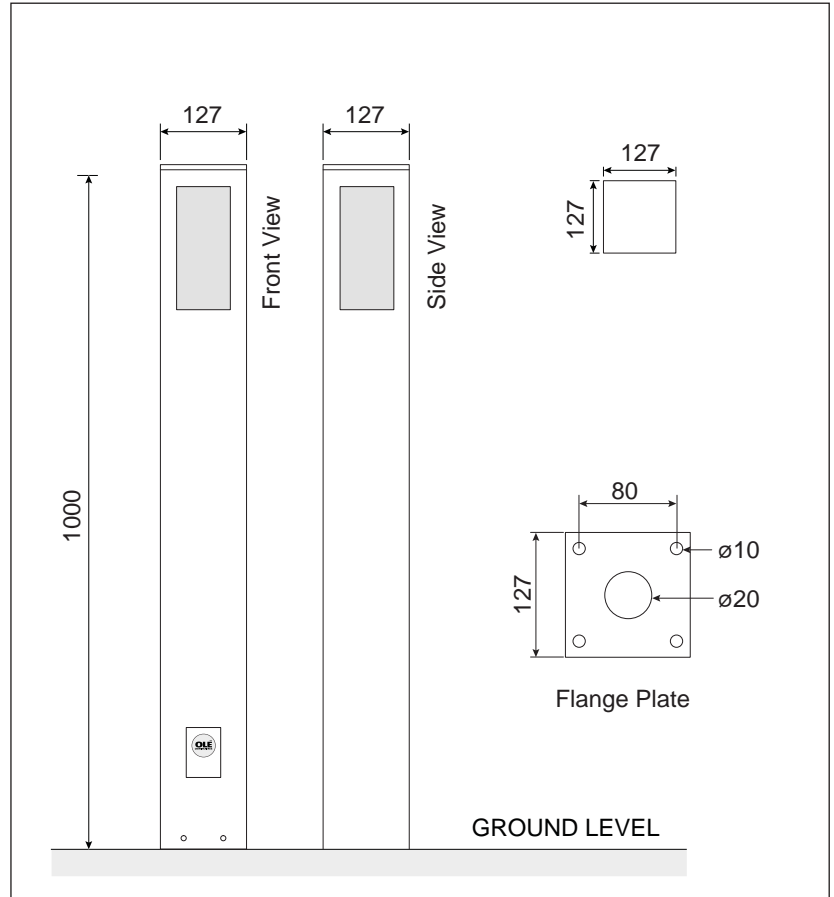
OLE Aria BL-M (Project Photo : DBKL)

BOLLARD (Square)

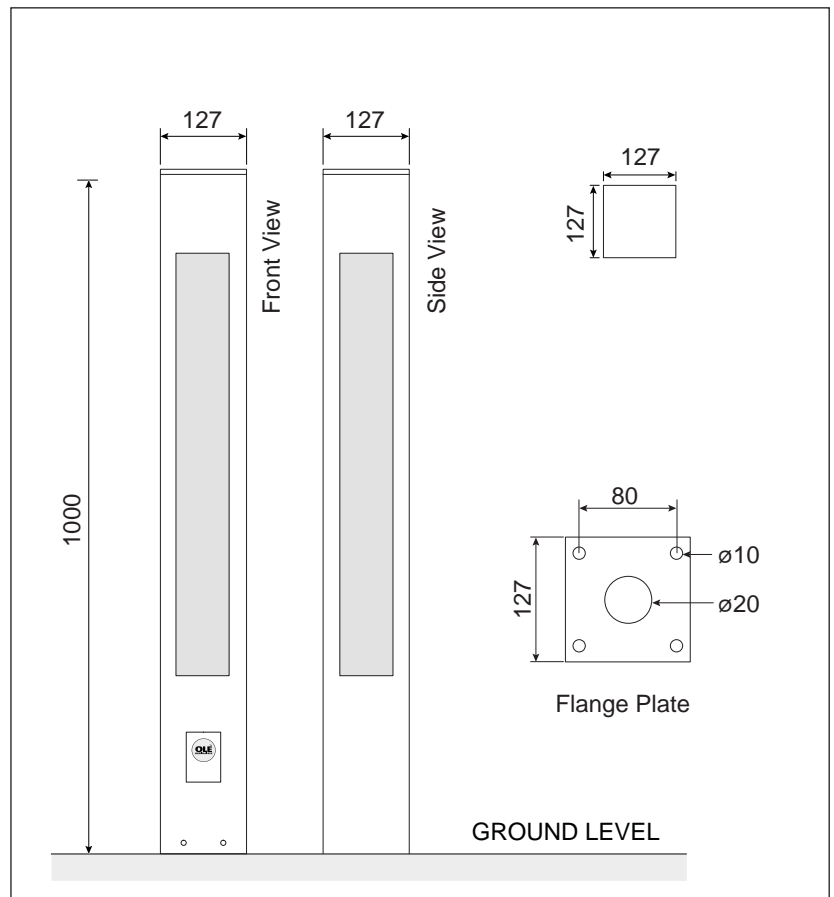
OLE Aria



OLE Aria BL-S
4-Sided Light Emitting Surface



OLE Aria BL-M
4-Sided Light Emitting Surface



BOLLARD (Round)

OLE Luma



Model No.	Power	Lamp	CRI	Weight	Lumen	Color
OLE Luma BL-15W-Clear	15W	LED	>80	5.2kg	1000lm	Black / Dark Grey
OLE Luma BL-15W-Opal	15W	LED	>80	5.2kg	1000lm	

**Available in clear diffuser and opal diffuser*

Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Application

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

OLE Luma (Clear)

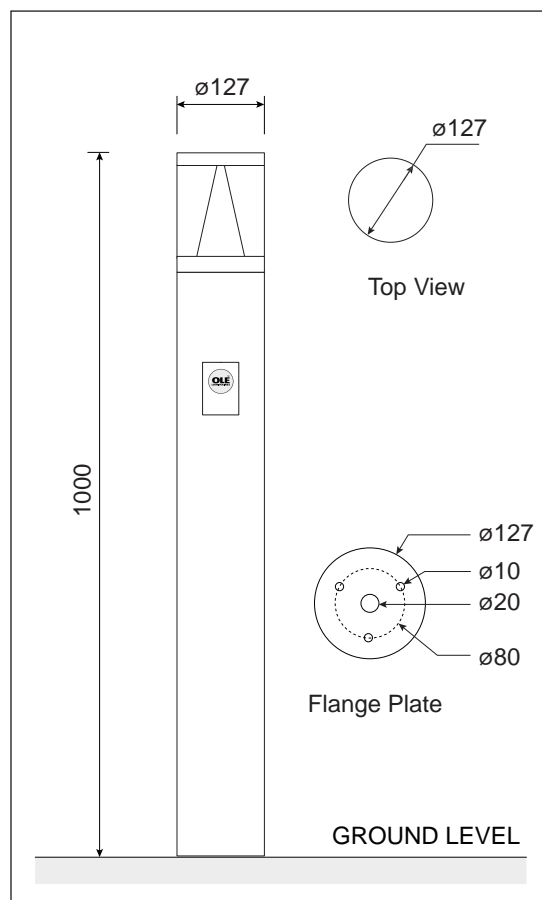
Carton Dimension



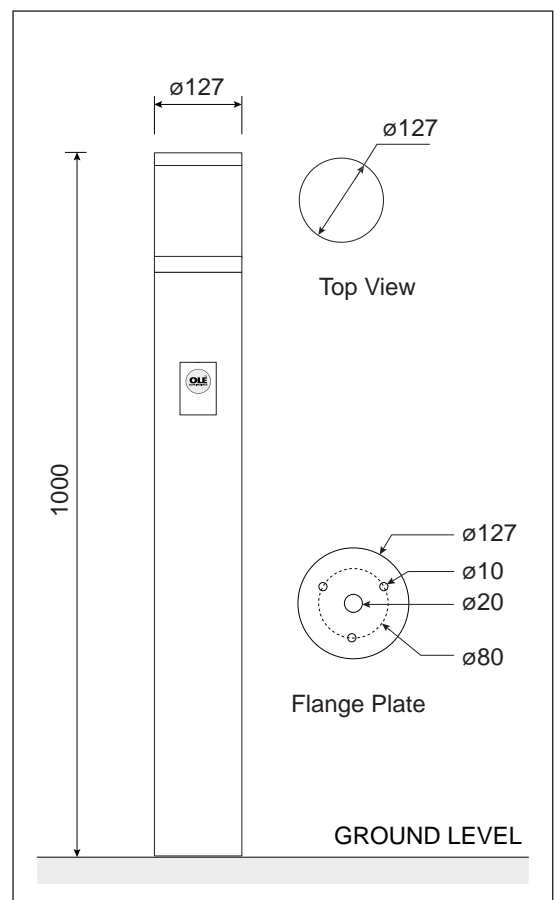
OLE Luma BL
1020x150x150



OLE Luma (Opal)



OLE Luma -15W
(Clear Diffuser)

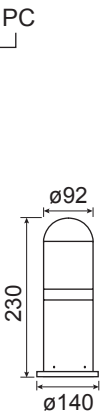


OLE Luma -15W
(Opal Diffuser)

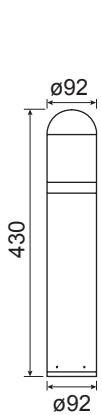
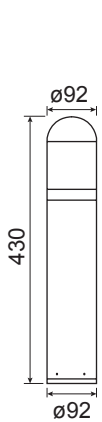
BOLLARD

Technical Data

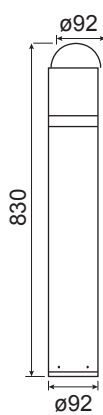
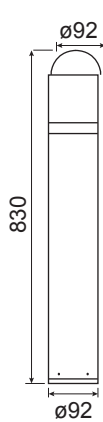
- Material : Cast aluminium Body, Matt (black) UV-proof powder coating.
- Protection : IP65



OLE 1447
LED 4W



OLE 1448
LED 4W



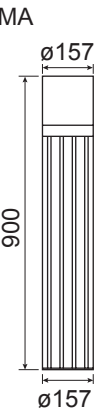
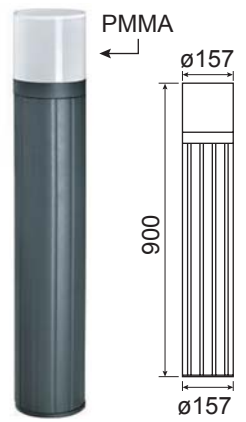
OLE 1449
LED 4W



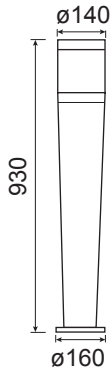
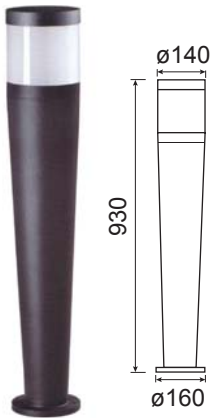
OLE 2081
LED 12W



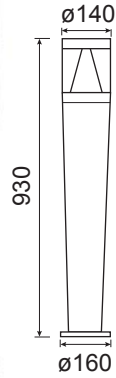
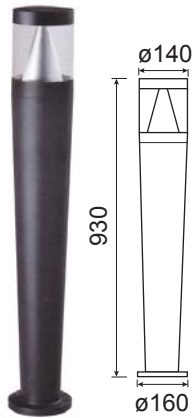
OLE 2075
LED 12W



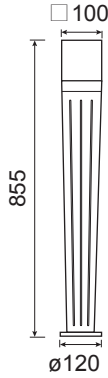
OLE 2069
LED 12W



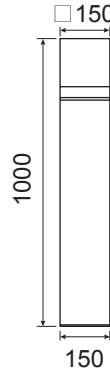
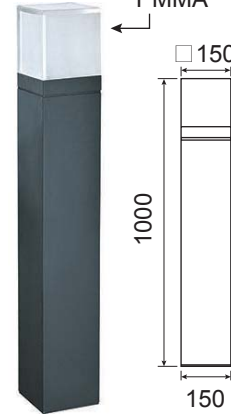
OLE 1901
LED 9W



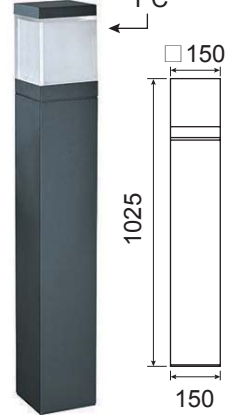
OLE 1925
LED 9W



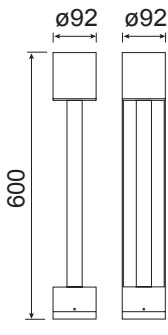
OLE 1933
LED 7W



OLE 2013
LED 12W



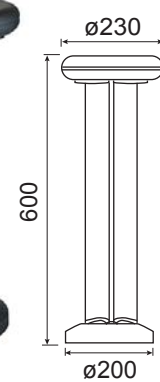
OLE 2021
LED 12W



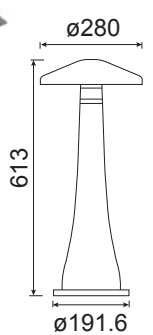
OLE 1464
LED COB 5W



OLE 1465
LED COB 5W

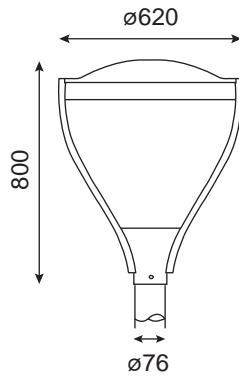


OLE 1636
LED COB 5W*3



OLE 1634
LED 4W

AMENITY LIGHTING



OLE LED 6102

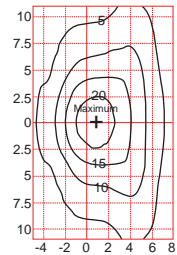
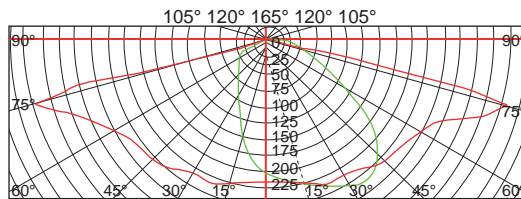
Technical Data:

- Protection : IP65
- Working Temperature : -40°C to +55°C
- Life Span : >50000 hrs.
- CRI : Ra > 70
- Power Factor : >0.95
- Material : Die casting aluminum housing, Aluminum sheet rotating cover. Double photometric diffuser technology. Super white toughened glass. Sealed lamp housing.

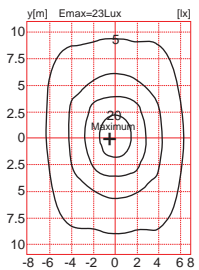
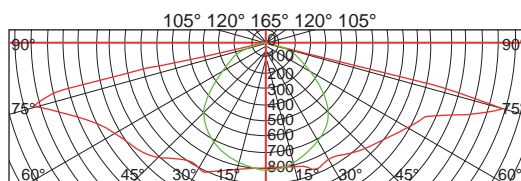
Power	Lumen		
	WW	NW	CW
35W	3100lm	3200lm	3300lm
45W	3950lm	4000lm	4200lm
55W	4850lm	5000lm	5200lm
60W	5350lm	5500lm	5700lm

Photometric Data:

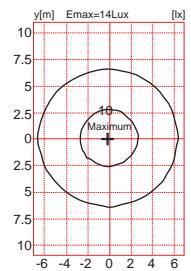
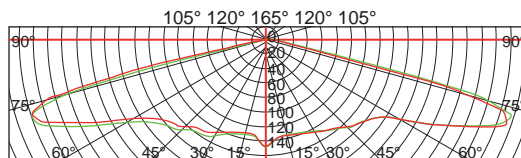
Type 1



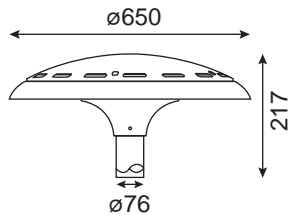
Type 2



Type 3



AMENITY LIGHTING



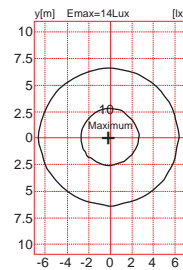
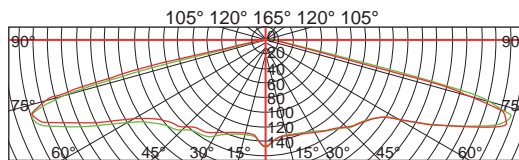
OLE LED 6132

Technical Data:

- Protection : IP65
- Working Temperature : -40°C to +55°C
- Life Span : >50000 hrs.
- CRI : Ra > 70
- Power Factor : >0.95
- Material : Die casting aluminum housing, Aluminum sheet rotating cover. Double photometric diffuser technology. PC diffusion technology. Sealed lamp housing.

Power	Lumen		
	WW	NW	CW
35W	3400lm	3400lm	3400lm
50W	4150lm	4150lm	4150lm
60W	4850lm	4850lm	4850lm

Photometric Data:

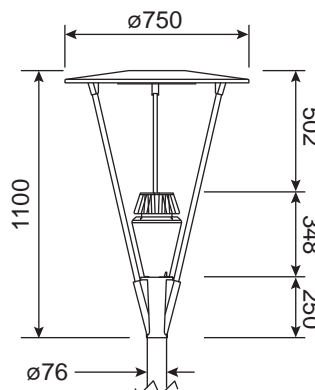


OLE Xelica 7242

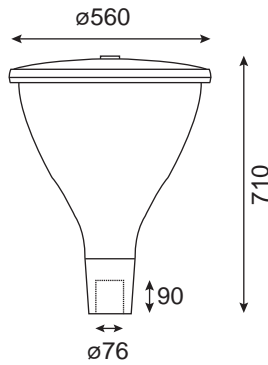
Power	59W	75W
Lumen	5900lm	7500lm

Technical Data:

- Protection : IP65
- Material : Die-cast aluminium housing ADC12. Highly polished PC reflector. Symmetrical or asymmetrical reflector. Built-in constant current driver



AMENITY LIGHTING



OLE LED 6135

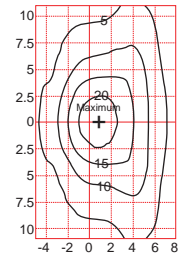
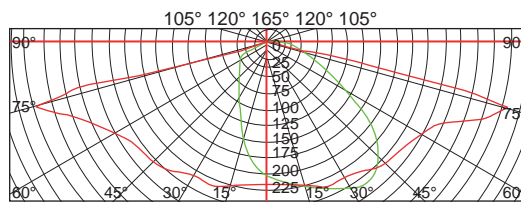
Technical Data:

- Protection : IP65
- Working Temperature : -40°C to +55°C
- Life Span : >50000 hrs.
- CRI : Ra > 70
- Power Factor : >0.95
- Material : Die casting aluminum housing, Aluminum sheet rotating cover.
Double photometric diffuser technology.
UV-stop PC lamp cover.
Sealed lamp housing.

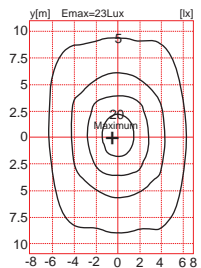
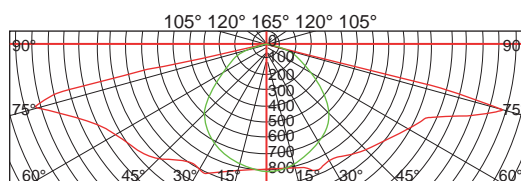
Power	Lumen		
	WW	NW	CW
35W	3100lm	3200lm	3300lm
45W	3950lm	4000lm	4200lm
55W	4850lm	5000lm	5200lm
60W	5350lm	5500lm	5700lm

Photometric Data:

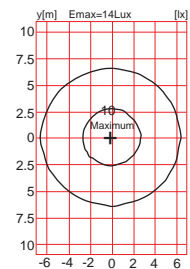
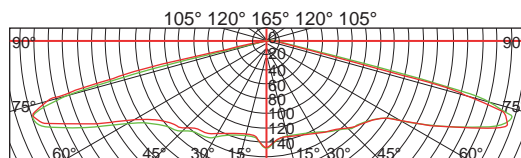
Type 1



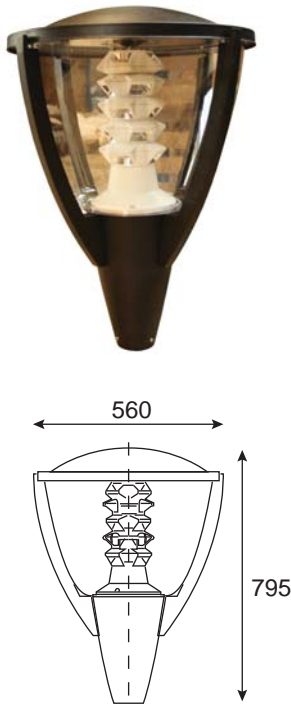
Type 2



Type 3



AMENITY LIGHTING



OLE LED CL998

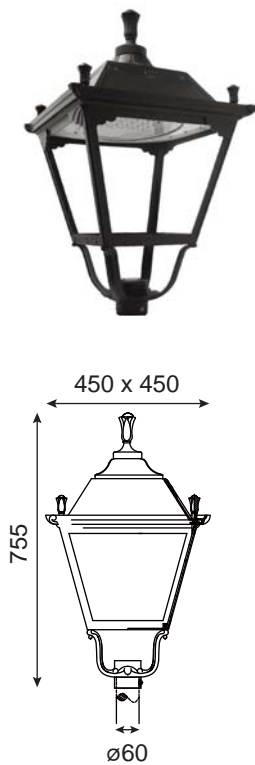
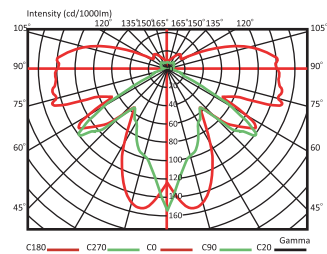
Technical Data:

- Protection : IP65
- Working Temperature : -40°C to +50°C
- Material : Pressure die-casting aluminium.
- Reflector : Anodized and sealed single piece high purity aluminium plate.
- Lens : High transparent PMMA.

Power	Lumen
20W	1900lm
30W	2850lm



Photometric Data:



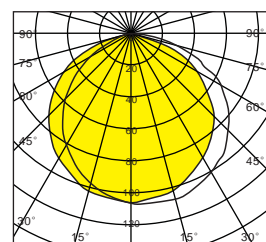
OLE NBT-LED-113

Technical Data:

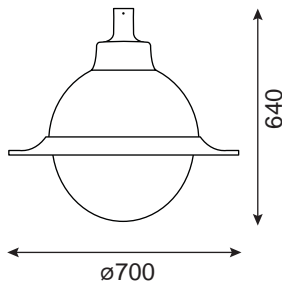
- Protection : IP65
- Working Temperature : -40°C to +55°C
- Life Span : >50000 hrs.
- CRI : Ra > 70
- Net Weight : 12kg
- Material : Die casting aluminium housing.

Power	Lumen
35W	3850lm
50W	5250lm

Photometric Data:



AMENITY LIGHTING



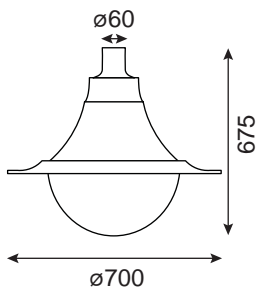
OLE Astral

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



OLE Pescador

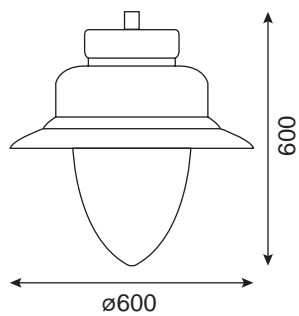
Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Die-Cast aluminium, Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W

AMENITY LIGHTING



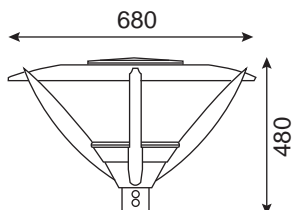
OLE MAL Berry

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



OLE MAL Ilusi

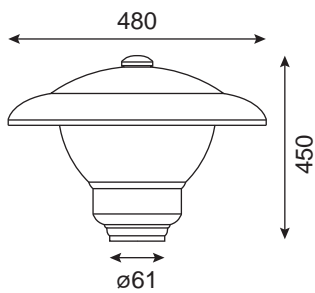
Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Die-Cast aluminium, Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W

AMENITY LIGHTING



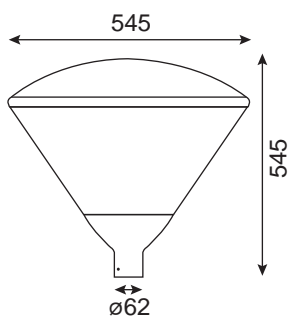
OLE Finlandia 2322

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Die-Cast aluminium

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



OLE AU 5951

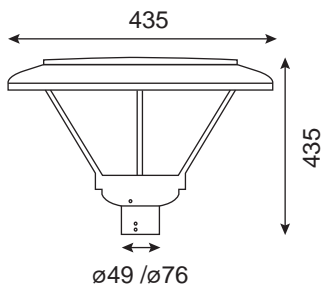
Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Die-Cast aluminium

LED

Power	System Luminous Efficiency
30W-50W	90lm/W

AMENITY LIGHTING



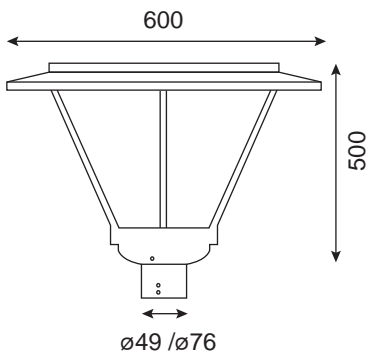
OLE Mini Viso

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



OLE Viso

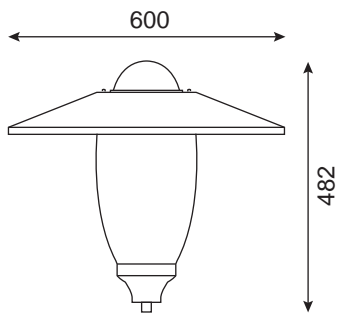
Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W

AMENITY LIGHTING



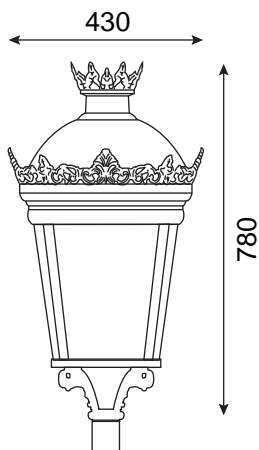
OLE Auris

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Aluminum sheet rotating cover.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



OLE BTGL-606

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Die-Cast aluminium

LED

Power	System Luminous Efficiency
30W-50W	90lm/W

AMENITY LIGHTING



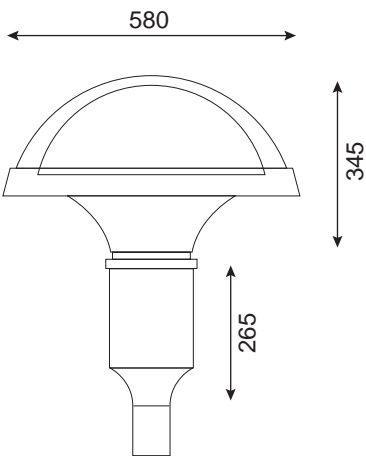
OLE MAL City

Technical Data:

- Protection : IP65 Optical Block, Gear Compartment IP54
- Operating Frequency : 50/60HZ
- Color Rendering Index (CRI) : >70-80
- Operating Temperature : -25°C ~ +50°C
- Material : Polycarbonate sheet & Die-Cast aluminium base.

LED

Power	System Luminous Efficiency
30W-50W	90lm/W



A5930TTPO-Gold



A5930TTPB-Blue



A5930TTP-Grey



A5930TTPV-Green



A5930TTPY-Yellow

CLEAN ROOM LIGHTING

OLE DURA CRL SERIES



Features

- Energy-efficient lighting for industrial and commercial applications
- Application flexibility (hook)
- Long lifetime

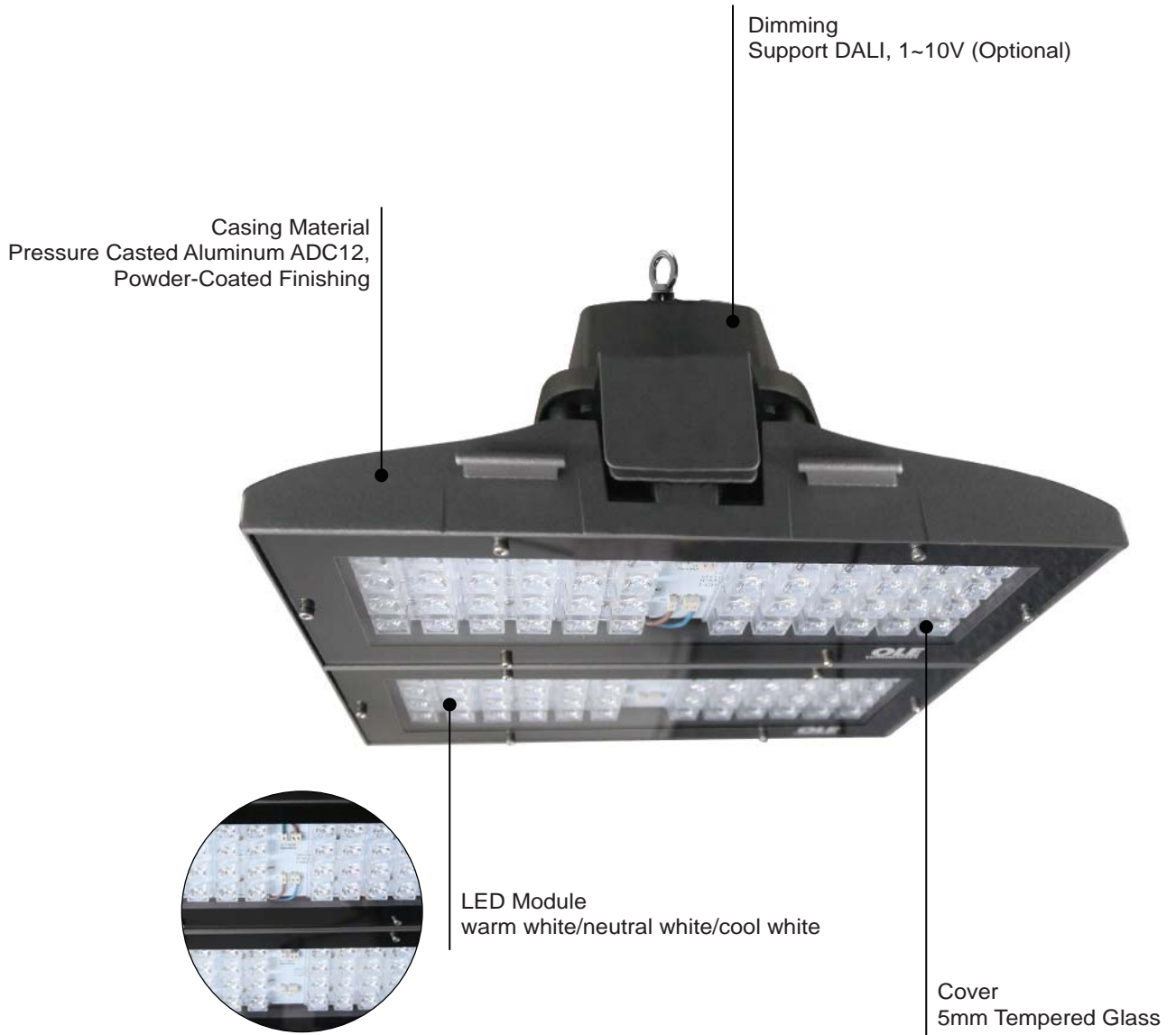
Characteristics

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V~240V / Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Color Rendering Index (CRI)	>70 - 80
Working Temperature	-25°C ~ 50°C
Storage Temperature	-25°C ~ 80°C
Power Factor	>0.95 at Full Load
THD	<20% at Full Load
Casing Material	Pressure Casted Aluminum ADC12, Powder-Coated Finishing

CLEAN ROOM LIGHTING

OLE DURA CRL SERIES

Construction of OLE DURA CRL



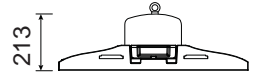
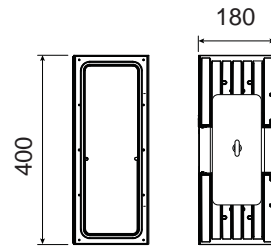
Type of installation

CLEAN ROOM LIGHTING

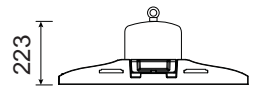
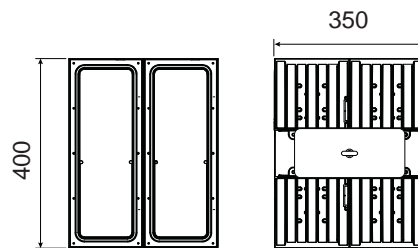
OLE DURA CRL SERIES

OLE Dura CRL90 | OLE Dura CRL120

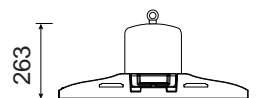
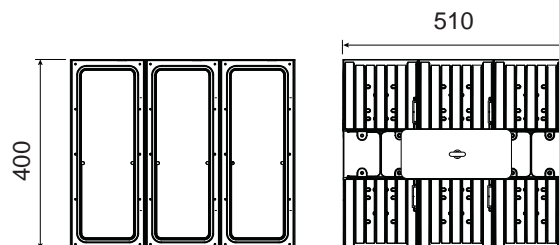
* All Dimension in MM



OLE Dura CRL150 | OLE Dura CRL180 | OLE Dura CRL240



OLE Dura CRL300



CLEAN ROOM LIGHTING

OLE DURA CRL SERIES

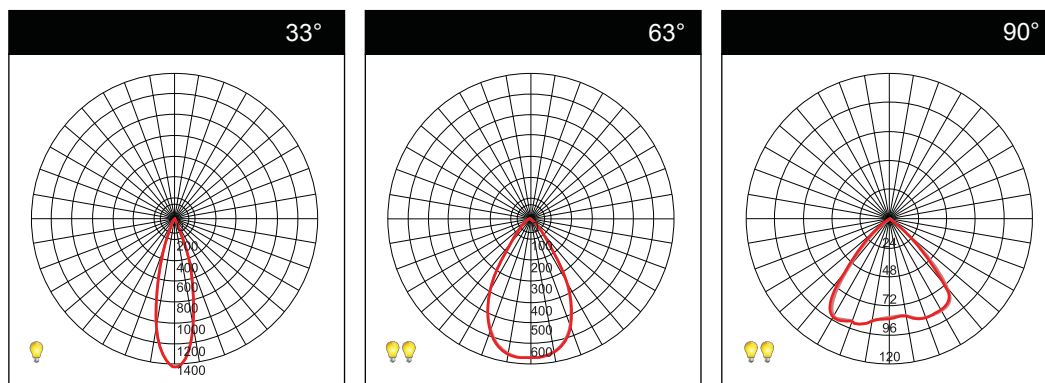
Specification

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE Dura CRL90	90W	48 LEDs	0.39A	5.5kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	11,520 lm 11,790 lm 11,970 lm 12,420 lm
OLE Dura CRL120	120W	48 LEDs	0.52A	5.5kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	14,640 lm 15,000 lm 15,240 lm 15,840 lm
OLE Dura CRL150	150W	96 LEDs	0.65A	8.5kg	<3500K 4000K 5000K 6000K	130 lm/w 133 lm/w 135 lm/w 140 lm/w	19,500 lm 19,950 lm 20,250 lm 21,000 lm
OLE Dura CRL180	180W	96 LEDs	0.78A	8.5kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	23,040 lm 23,580 lm 23,940 lm 24,840 lm
OLE Dura CRL240	240W	96 LEDs	1.04A	8.5kg	<3500K 4000K 5000K 6000K	122 lm/w 125 lm/w 127 lm/w 132 lm/w	29,280 lm 30,000 lm 30,480 lm 31,680 lm
OLE Dura CRL300	300W	144 LEDs	1.30A	13kg	<3500K 4000K 5000K 6000K	128 lm/w 131 lm/w 133 lm/w 138 lm/w	38,400 lm 39,300 lm 39,900 lm 41,400 lm

* Flux data based on Luxeon 5050 LED, 33° Beam angle, Ta = 25°C.

* CCT & Lumen +/-10%.

Photometric Data



LOWBAY


OLE EVO SLB


Compliances LED Module : IEC62717, IEC62031, LM79.





Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE EVO SLB40	40W	12 LED	0.17A	2.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	4240 lm 4280 lm 4320 lm 4360 lm
OLE EVO SLB80	80W	24 LED	0.34A	3.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	8480 lm 8560 lm 8640 lm 8720 lm
OLE EVO SLB120	120W	36 LED	0.52A	4.3kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	12720 lm 12840 lm 12960 lm 13080 lm
OLE EVO SLB160	160W	48 LED	0.69A	5.4kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	16960 lm 17120 lm 17280 lm 17440 lm
OLE EVO SLB200	200W	60 LED	0.86A	6.2kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	21200 lm 21400 lm 21600 lm 21800 lm
OLE EVO SLB240	240W	72 LED	1.04A	7.0kg	<3500K 4000K 5000K 6000K	106 lm/w 107 lm/w 108 lm/w 109 lm/w	25440 lm 25680 lm 25920 lm 26160 lm

Carton Dimension

 OLE EVO SLB40
360x260x250
(6 Packed in 1 carton)

 OLE EVO SLB80
360x260x250
(2 Packed in 1 carton)

 OLE EVO SLB120
360x260x250
(2 Packed in 1 carton)

 OLE EVO SLB160
360x260x250
(2 Packed in 1 carton)

 OLE EVO SLB200
450x310x600

 OLE EVO SLB240
600x350x150

*Reported CCT and System Lumen may have a tolerance of 10%

Installation

Surface



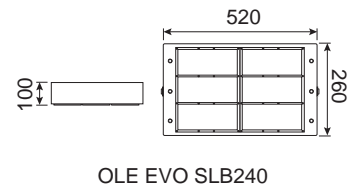
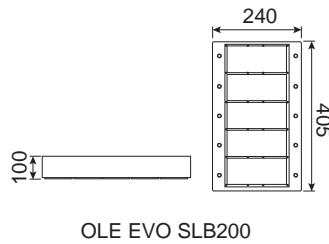
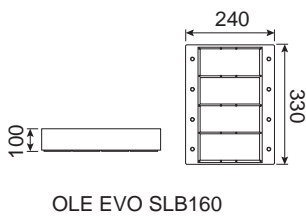
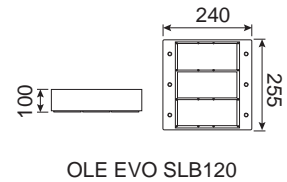
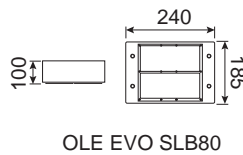
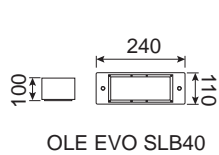
LOWBAY

OLE EVO SLB

Technical Data

Input voltage	: AC220-240V
Light source	: LED
Protection	: LED Module IP66, Fitting IP20 (IP66 Version available)
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Color rendering Index (CRI)	: >70 - 90
Working temperature	: -40°C ~ +50C
Working humidity	: RH 10%~90%
Passes impact level	: IK07
Beam Angle	: 98°
Material	: Galvanized steel with polyester epoxy powder coating
Casing module	: High purity extrusion aluminum
Lens	: PLEXIGLAS®
Gasket	: Silicon
Driver	: Philips/MeanWell/Inventronics support 1-10V (optional)

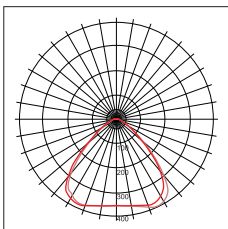
Dimension



* All Dimension in MM

Photometric Data

98°



Application

* Applicable for petrol station, shopping mall, high ceiling corridor and factory.

LOWBAY

OLE EVO RLB

Certified by SIRIM.

Compliances LED Module : IEC60598-1, IEC60598-2-2.
LED Module : IEC62717, IEC62031, LM79.



Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
OLE EVO RLB60	60W	24 LED	0.26A	4.0kg	<3500K 4000K 5000K 6000K	130 lm/w 133 lm/w 136 lm/w 139 lm/w	7800 lm 7980 lm 8160 lm 8340 lm
OLE EVO RLB90	90W	36 LED	0.39A	4.6kg	<3500K 4000K 5000K 6000K	130 lm/w 133 lm/w 136 lm/w 139 lm/w	11700 lm 11970 lm 12240 lm 12510 lm
OLE EVO RLB120	120W	48 LED	0.52A	5.3kg	<3500K 4000K 5000K 6000K	130 lm/w 133 lm/w 136 lm/w 139 lm/w	15600 lm 15960 lm 16320 lm 16680 lm
OLE EVO RLB180	180W	48 LED	0.78A	5.3kg	<3500K 4000K 5000K 6000K	110 lm/w 113 lm/w 116 lm/w 119 lm/w	19800 lm 20340 lm 20880 lm 21420 lm

Carton Dimension



*Reported CCT and System Lumen may have a tolerance of 10%

Technical Data

Input voltage	: AC220-240V
Light source	: LED
Protection	: LED Module IP66, Fitting IP20 (IP66 Version available)
Lifetime	: L90>60,000 hrs
Operating frequency	: 50/60Hz
Power factor	: >0.95
THD @ Full load	: <20%
Color rendering Index (CRI)	: >80 - 90
Working temperature	: -40°C ~ +50C
Working humidity	: RH 10%~90%
Passes impact level	: IK07
Beam Angle	: 58°, 98°, 31°+119°
Material	: Galvanized steel with polyester epoxy powder coating
Casing module	: High purity extrusion aluminum
Lens	: PLEXIGLAS®
Gasket	: Silicon
Driver	: Philips/MeanWell/Inventronics support 1-10V (optional)

Installation

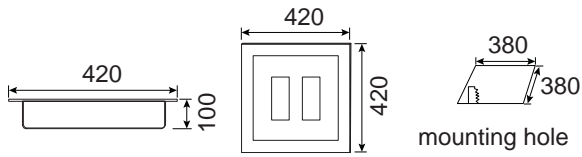


*Hinged compartment for easy installation and maintenance

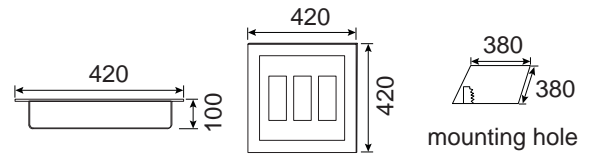
LOWBAY

OLE EVO RLB

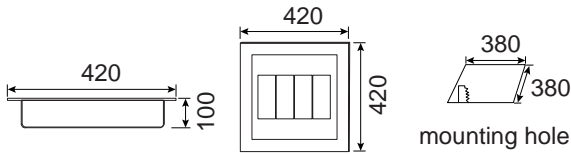
Dimension



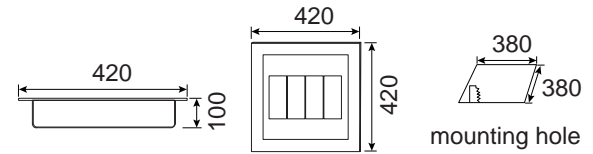
OLE EVO RLB60



OLE EVO RLB90



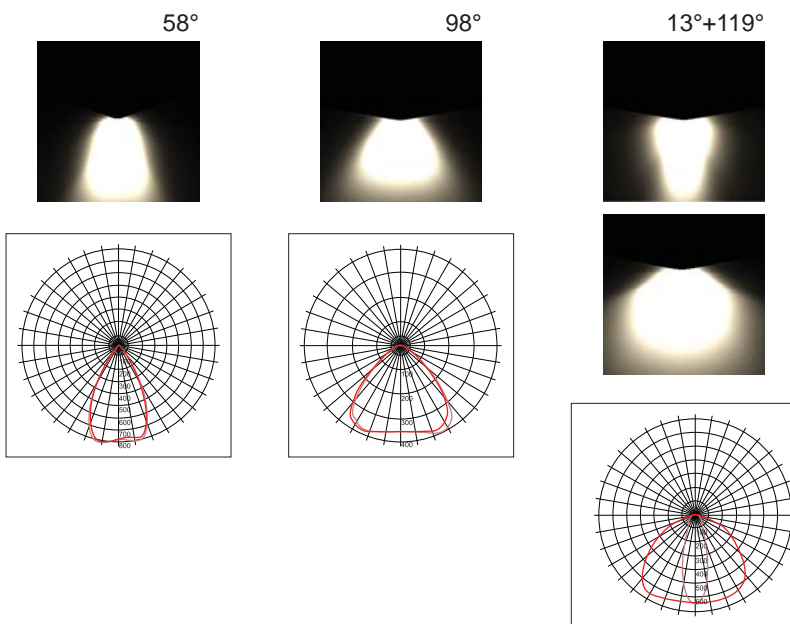
OLE EVO RLB120



OLE EVO RLB180

* All Dimension in MM

Photometric Data



Petron - Machang, Kelantan



Shell - Bukit Goh, Kuantan

Application

* Applicable for petrol station, shopping mall, high ceiling corridor and factory.

WALL LIGHT (Rectangular)

OLE Vinc WL



OLE Vinc WL-Up



OLE Vinc WL-Down



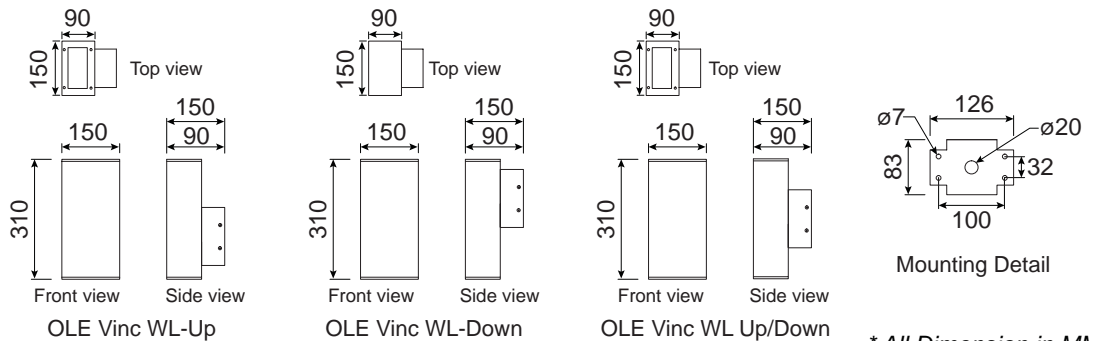
OLE Vinc WL Up/Down

Model No.	Power	Lamp	CRI	Weight	Lumen	Beam Angle	Color
OLE Vinc WL-Up- 15W	15W	LED	>80	3.2kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Vinc WL Down-15W	15W	LED	>80	3.2kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Vinc WL-Up/Down-15W	15Wx2	LED	>80	3.7kg	2400lm	13°, 36° 13° + 36°	White / Black / Dark Grey

Material

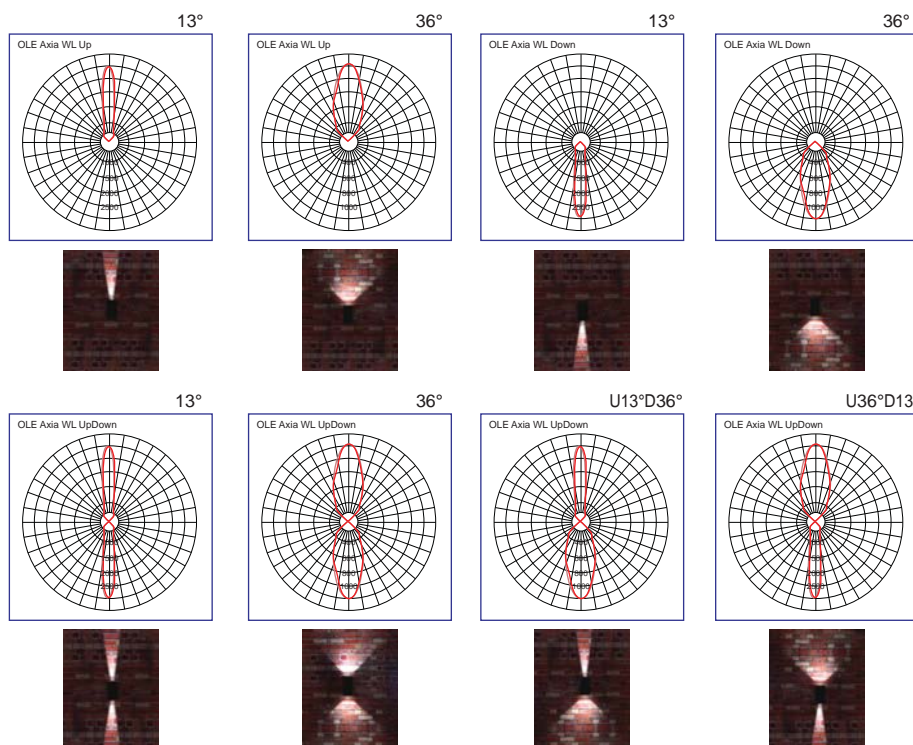
Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Dimension



* All Dimension in MM

Photometric Data



Carton Dimension

OLE Vinc WL
180x205x350

Application

* Applicable for shopping mall, building, facade lighting and landscape lighting.

WALL LIGHT (Square)

OLE Venna WL



OLE Venna WL-Up



OLE Venna WL-Down



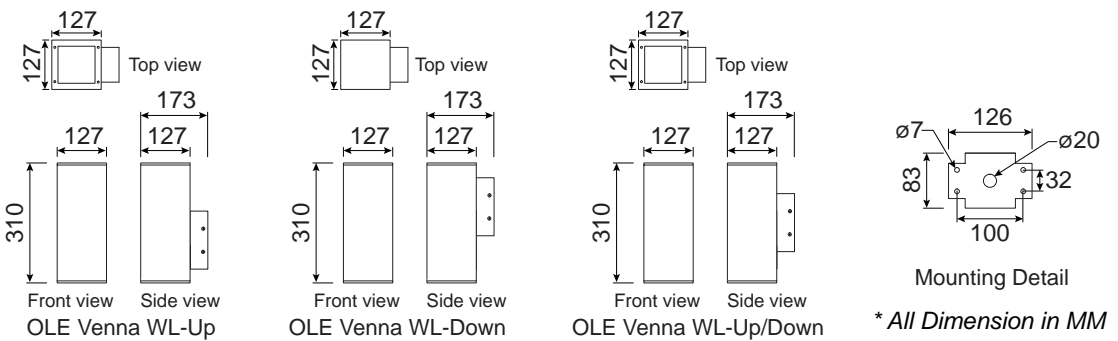
OLE Venna WL-Up/Down

Model No.	Power	Lamp	CRI	Weight	Lumen	Beam Angle	Color
OLE Venna WL-Up-15W	15W	LED	>80	2kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Venna WL-Up-30W	30W				2400lm		
OLE Venna WL-Down-15W	15W	LED	>80	2kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Venna WL-Down-30W	30W				2400lm		
OLE Venna WL-Up/Down-15W	15Wx2	LED	>80	2kg	2400lm	13°, 36° 13° + 36°	White / Black / Dark Grey
OLE Venna WL-Up/Down-30W	30Wx2				4800lm		

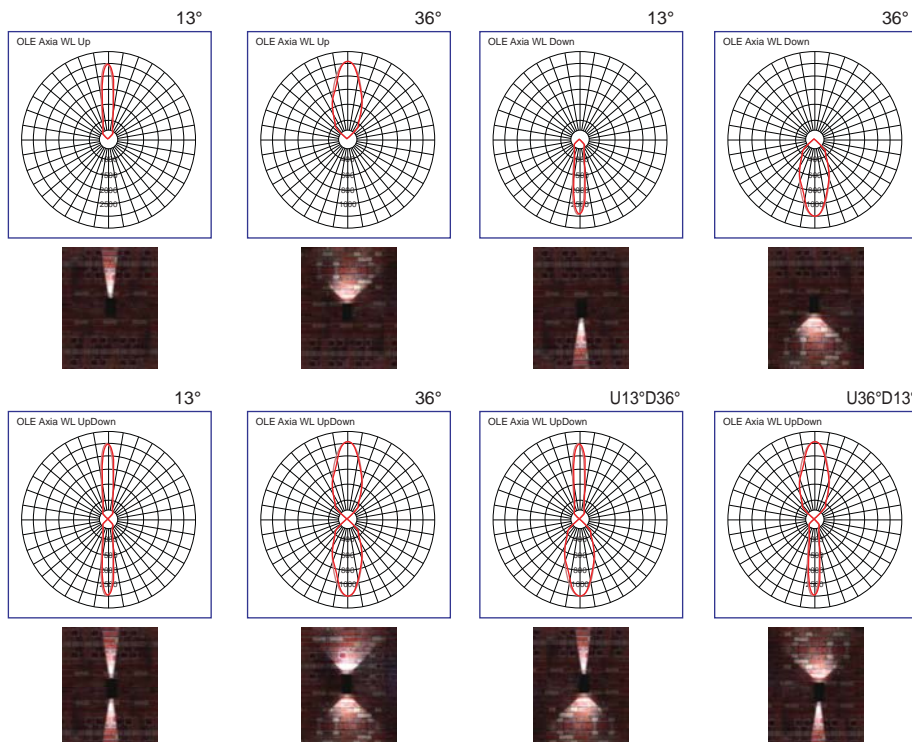
Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Dimension



Photometric Data



Carton Dimension

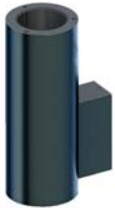
OLE Venna WL
 180x205x350

Application

* Applicable for shopping mall, building, facade lighting and landscape lighting.

WALL LIGHT (Round)

OLE Oma WL



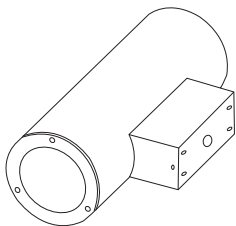
OLE Oma WL-Up



OLE Oma WL-Down



OLE Oma WL-Up/Down

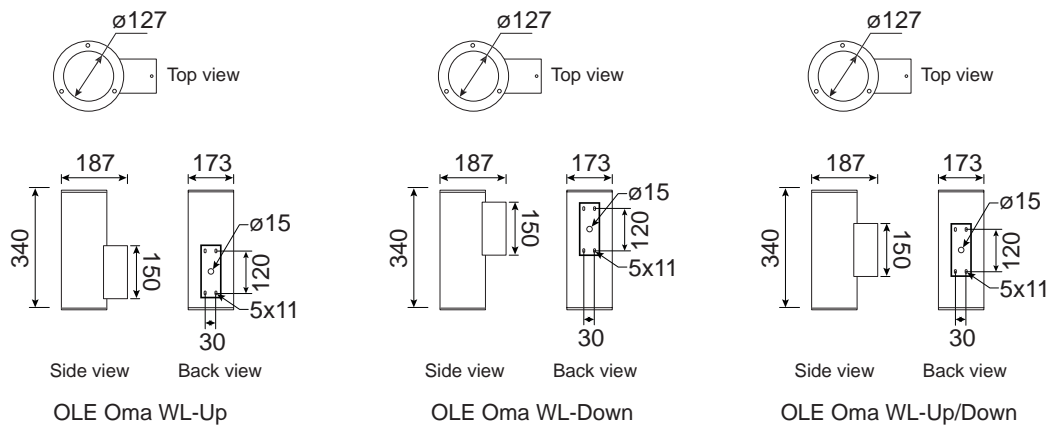


Model No.	Power	Lamp	CRI	Weight	Lumen	Beam Angle	Color
OLE Oma WL-Up-15W	15W	LED	>80	3.7kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Oma WL-Up-30W	30W				2400lm		
OLE Oma WL-Down-15W	15W	LED	>80	3.7kg	1200lm	13°, 36°	White / Black / Dark Grey
OLE Oma WL-Down-30W	30W				2400lm		
OLE Oma WL-Up/Down-15W	15Wx2	LED	>80	4.5kg	2400lm	13°, 36°	White / Black / Dark Grey
OLE Oma WL-Up/Down-30W	30Wx2				4800lm		

Material

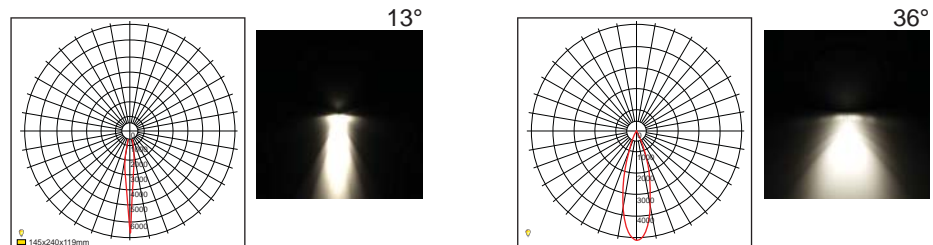
Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

Dimension



* All Dimension in MM

Photometric Data



Carton Dimension

OLE Oma WL
180x205x350

Application

* Applicable for shopping mall, building, facade lighting and landscape lighting.

PENDANT LIGHT (Round)

OLE Luvia PL



Model No.	Power	Lamp	CRI	Weight	Lumen	Beam Angle	Color
OLE Luvia PL-15W	15W	LED	>80	2.7kg	1200lm	36°, 58°, 98°	White / Dark Grey
OLE Luvia PL-30W	30W			2.9kg	2400lm		

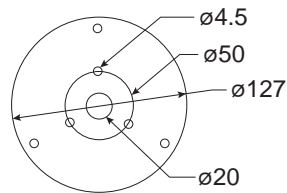
Material

Housing Material : Extrusion aluminum AA 6063-T5
 Finishing : Durable outdoor epoxy powder coated
 Protection : IP65

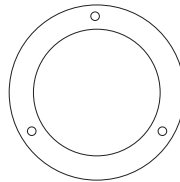
Dimension

Carton Dimension

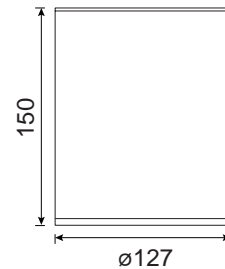
OLE Luvia WL
 150x150x210



Back view



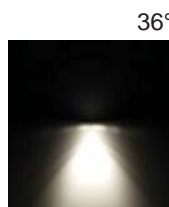
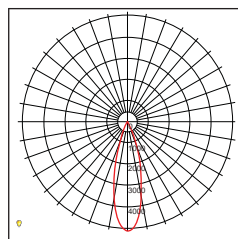
Front view



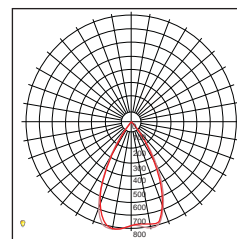
Side view

* All Dimension in MM

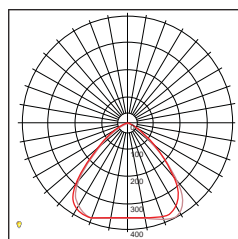
Photometric Data



36°



58°

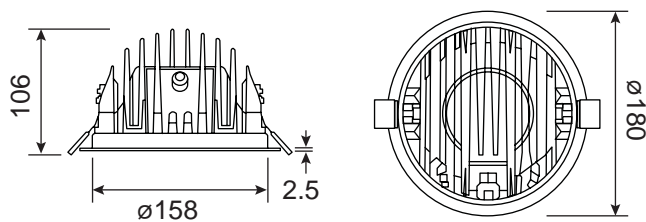


98°

Application

* Applicable for shopping mall, building, facade lighting and landscape lighting.

DOWNLIGHT



OLE DE-L MIDI ECO

Power	12W	26W	40W
Lumen	1200lm	2600lm	4000lm

Technical Data:

- Protection : IP65
- Beam Angle : Narrow 15°, Medium 26°, Wide 52°

Material:

- Die-cast aluminum housing ADC12.
- Sand blasted tempered glass.

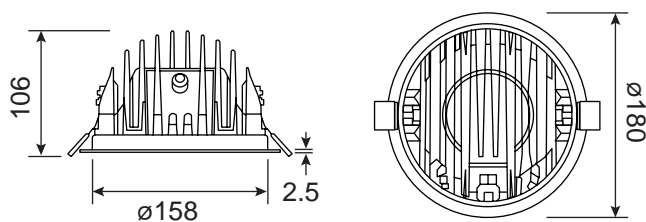
Application:

- Shop, offices, restaurant and residence.



ø165

Cut off Diameter



OLE DE-L MIDI

Power	12W	26W	40W
Lumen	1200lm	2600lm	4000lm

Technical Data:

- Protection : IP65
- Beam Angle : Narrow 15°, Medium 26°, Wide 52°

Material:

- Die-cast aluminum housing.
- Faceted aluminum reflector in satin-matt finish.
- Clear tempered glass.

Application:

- Shop, offices, restaurant and residence.



ø165

Cut off Diameter

TRACK LIGHTING



OLE L-PRO 7219

Power	12W	24W
Lumen	1200lm	2400lm

Technical Data:

- Protection : IP20
- Beam Angle : 18°,30°,55°,73°

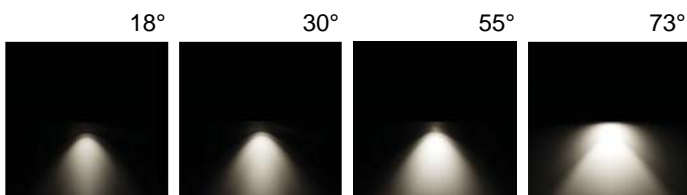
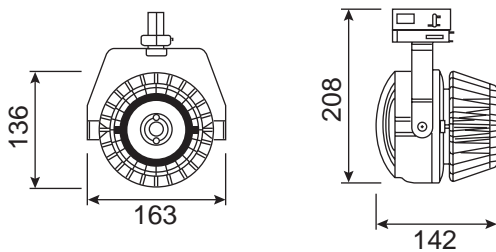
Material:

- Die-cast aluminum housing.
- Highly polished PC reflector.
- Built-in constant current driver.

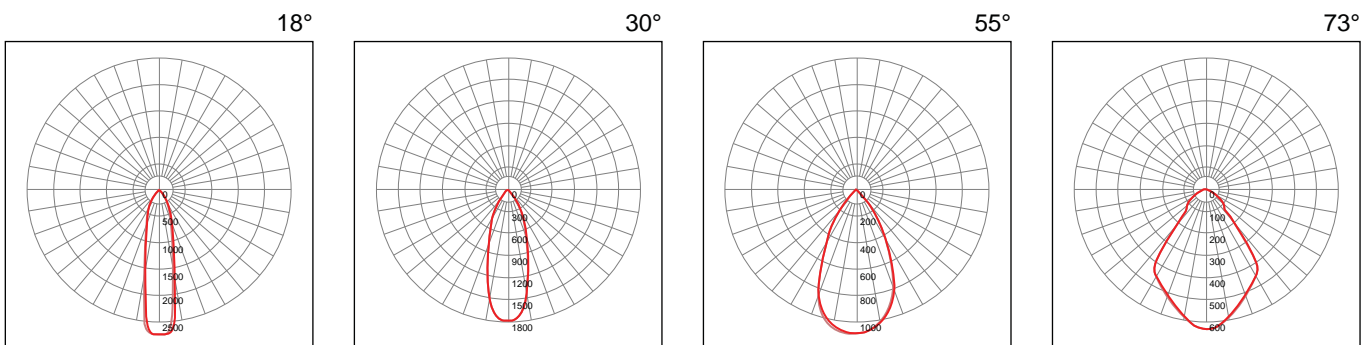
Application:

- Shop, restaurant, studio, gallery and museum.

Dimension:



Photometric Data:



TRACK LIGHTING



OLE GU-Spot 1312

Technical Data:

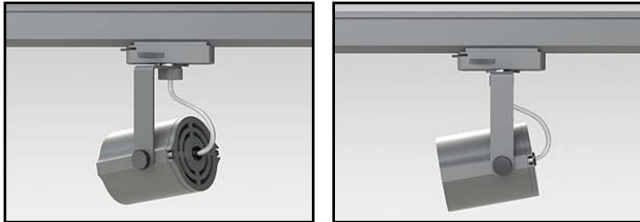
- For GU 10 MR16 LED Lamp
- Protection : IP20
- Ambient temperature : -30°C ~+40°C

Material:

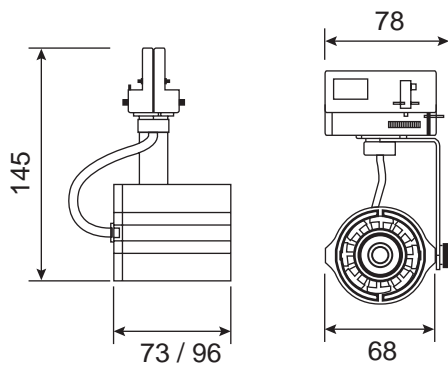
- Housing made of extruded aluminum. End cap made die-cast aluminum. L-shape stirrup made by aluminum. All parts powder coated.
- Projector rotatable by 350° horizontal and 90° vertical. complete with single-phase or 3 phase adaptors.

Application:

- Studio, shop, restaurant, residence, gallery and museum.

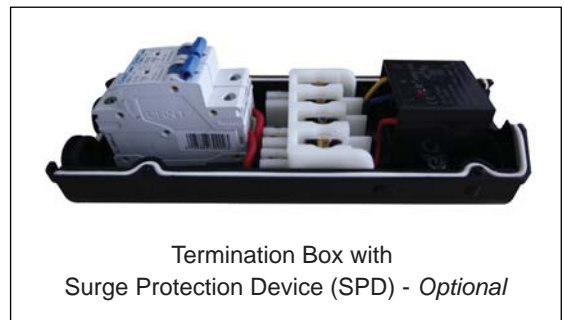
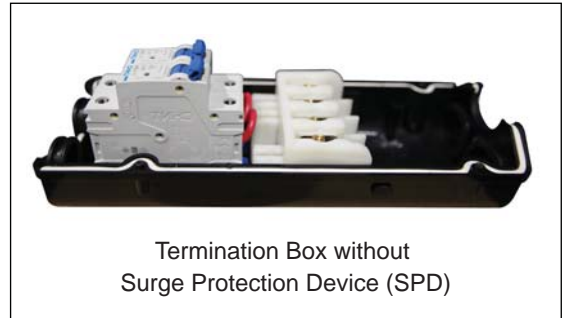


Dimension:



TERMINATION BOX

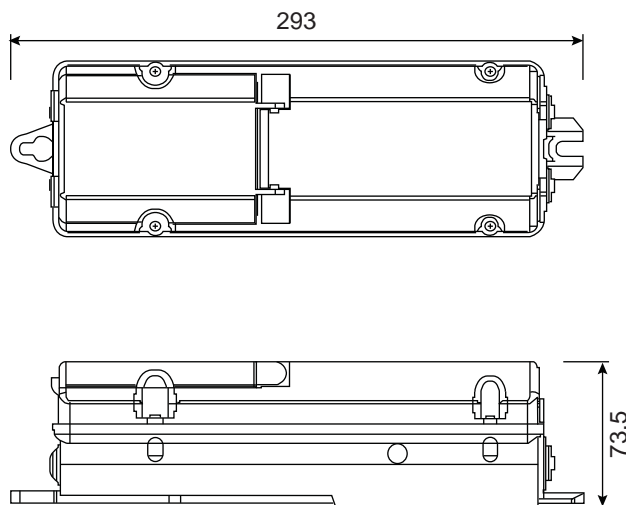
OLE TB001



Technical Data:

- Operating Frequency : 50/60Hz
- Voltage : 240V-415V
- Cut Out Based Ampere : 50A
- Protection : IP53
- Cable Size : 35mm sq

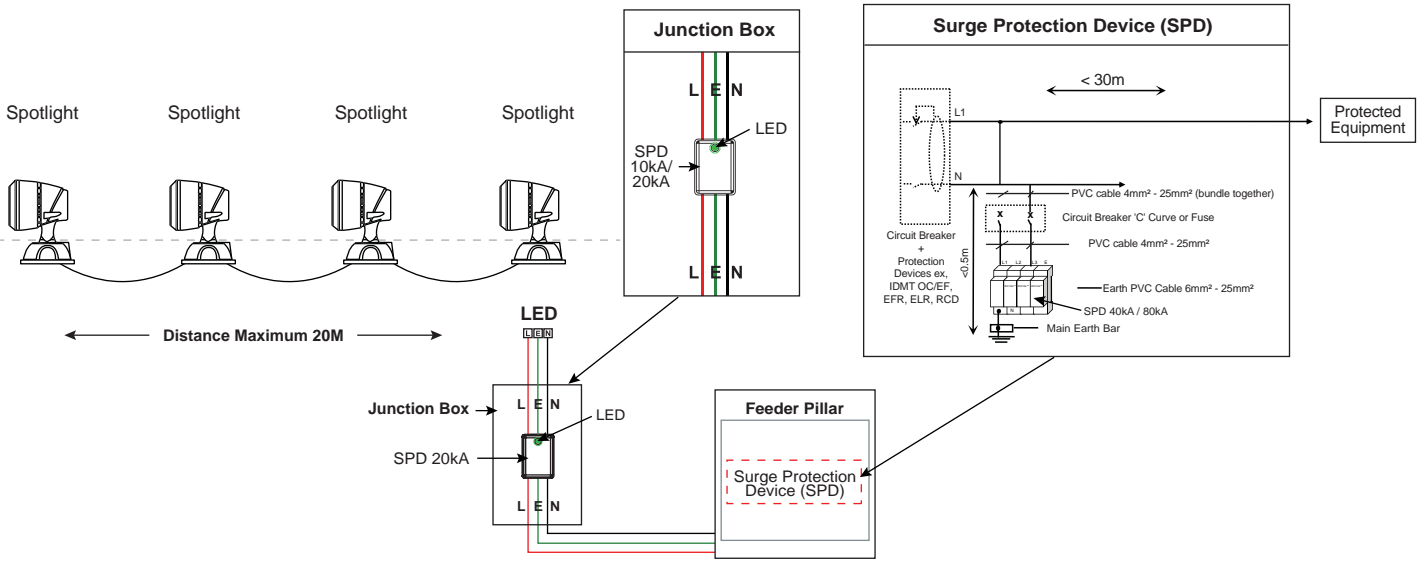
Dimension



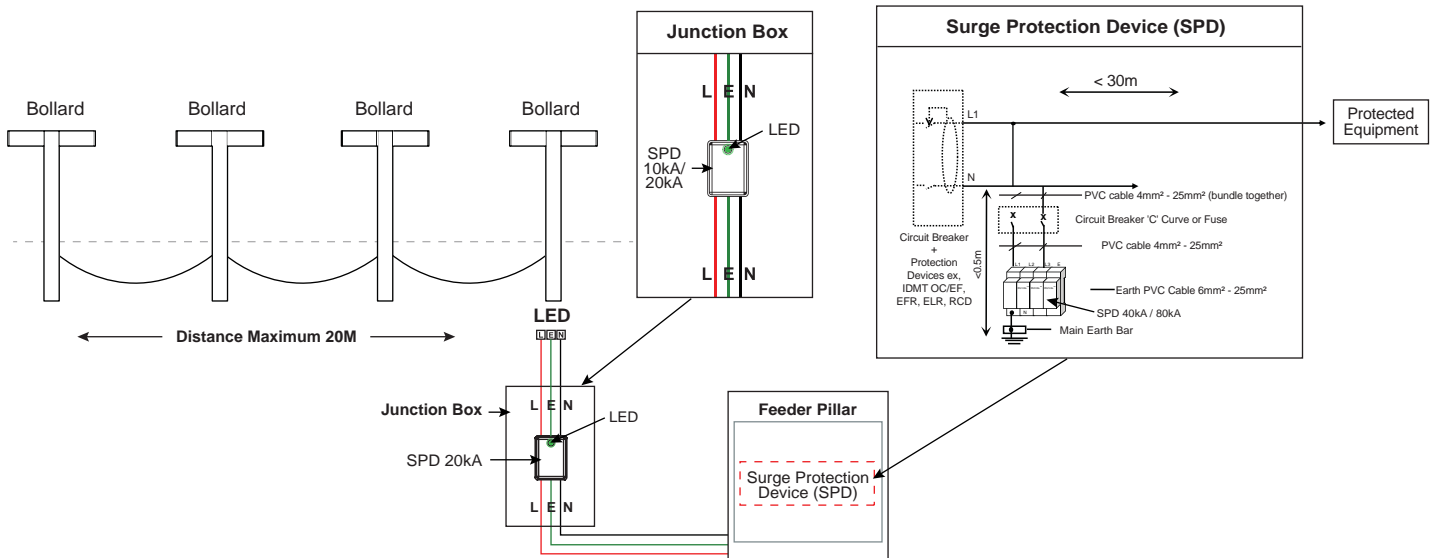
SYSTEM SCHEMATIC DIAGRAM

SURGE PROTECTION DEVICE (SPD) INSTALLATION MANUAL

FOR LED OUTDOOR LIGHTING



- * User is required to install SPD according to guideline to protect against voltage surge.
- * OLE does not cover warranty claims caused by voltage surge.
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Cert No.: 156921A

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