

Street & Area Lighting



Product Overview

March 2019

"Lighting up the Future"



www.vizona.com.au

About Vizona

Vizona is an Australian owned company comprised of a management team with 20 years experience in Street Lighting and associated infrastructure projects. Vizona offers a premium range of Street and Area Lighting products which meet industry standards.

We have adapted our product range to use materials that are resilient, long-lasting and that have a minimal carbon footprint. Aluminium is 100% recyclable and can take up to 400 years to break down making it the material of choice for many of the Vizona products.

LED lights are extremely energy efficient and durable thus saving money and resources by reducing power bills and dramatically reducing the need to replace lights all whilst minimizing the carbon footprint. A win all round.

Vizona has many sustainable product options available. To discuss your options contact us today.



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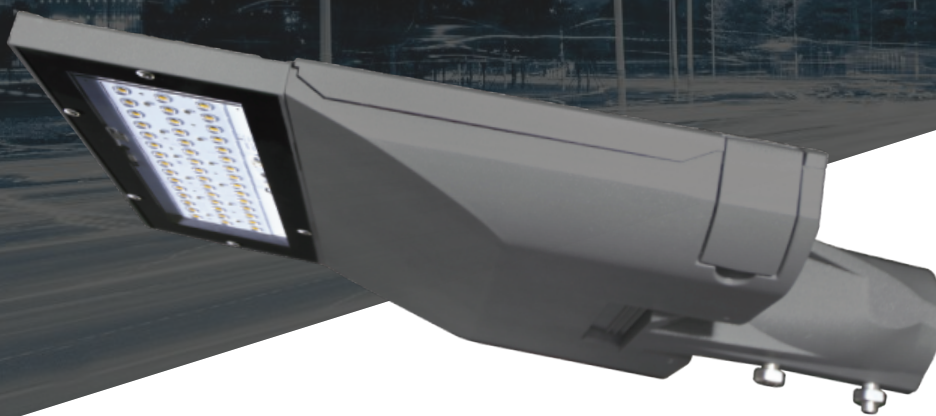
Street & Area Lights

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Vizona Range of Poles

Vizona also offers a comprehensive range of Steel and Aluminum poles to suit a wide variety of applications including main roads, residential subsidiary roads, car parks, commercial precincts, parks, gardens and more. There are many customizable options relating to both style and functionality which make them suitable for more than the principal purpose of suspending luminaires. Visit our website or contact our Customer Support team to find out more about our impressive range of Poles.

Zora Small ST Series



MATERIALS/COMPONENTS

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 Light System (Optional)
Additional Features	High Efficiency LEDs, Anti-Condensation Valve

FEATURES

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V-240V Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Colour 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 Class - Compliance	ME, CE, S, A (Others available on request)

CERTIFICATIONS

- RCM

ADVANTAGES

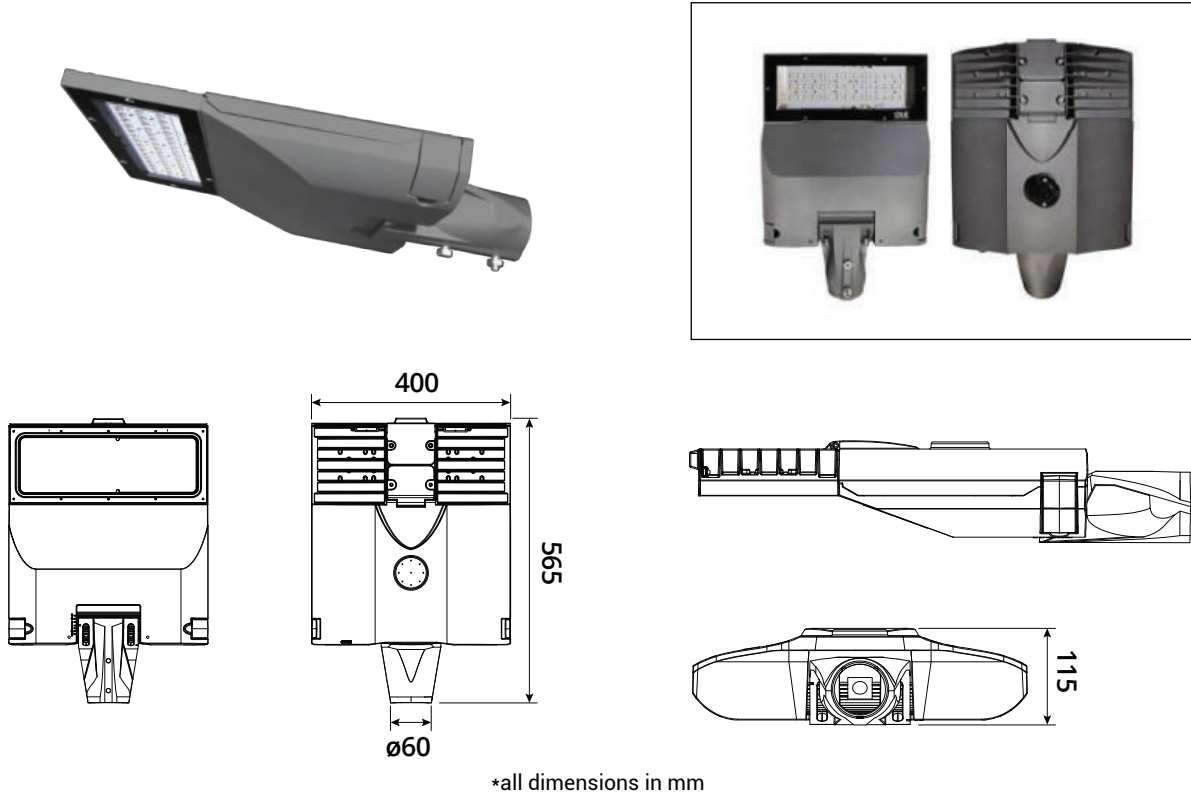
- Low temperature electronics.
- Gear Component Separated from LED module to reduce heat.
- Modular design allows for power upgrade without replacement of luminaire.
- Adjustable Spigot allows for -15° ~ 0 ~ +15° incline of light head.
- Option to include NEMA socket for Day/Night switch and smart controls.
- Designed for reduced wind resistance.
- Aluminium Die Cast case, in powder coat finish is highly corrosion resistant.
- 5mm tempered, toughened glass for high vandal resistance.
- Lighting Class – ME, CE, S, A (other lighting class available upon request)
- Thoughtfully designed to help extend lamp life past 70,000 hours.
- Maximized saving in energy and maintenance costs.

EASY MAINTENANCE

- Safety switch to terminate power on access door.
- Hand Latches for tool free access
- Luminaires serviced from above.
- Replacement part readily available - Philips driver

Street and Area Lighting

Zora Small ST Series

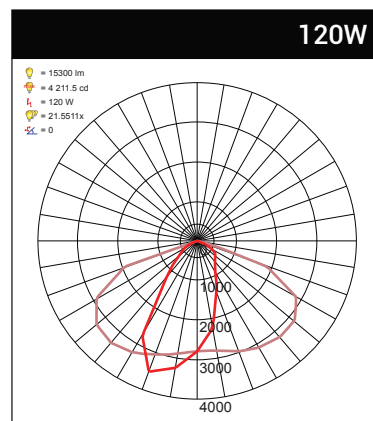
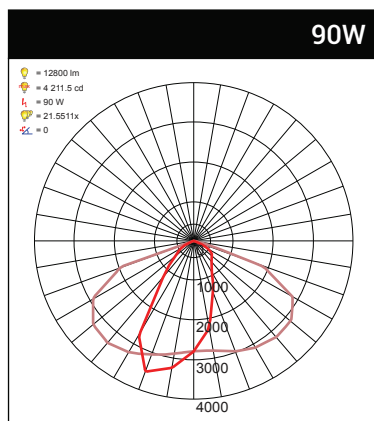


SPECIFICATION

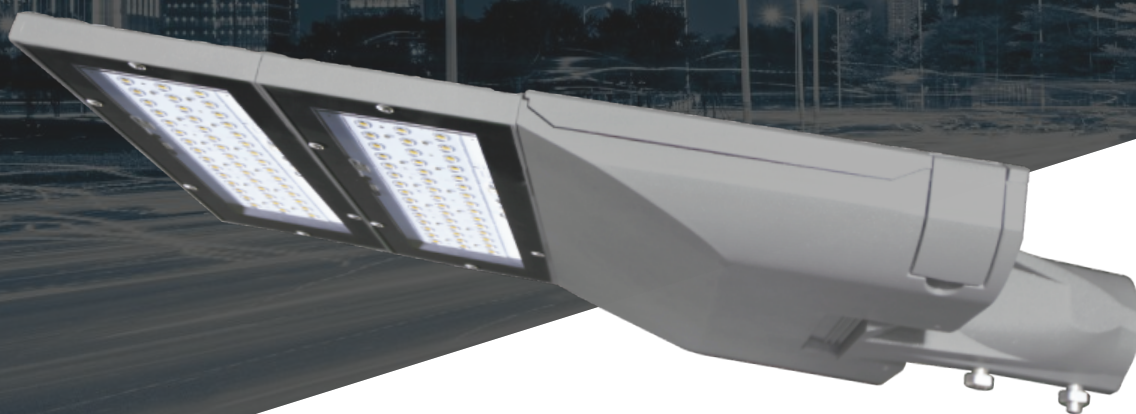
Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
Zora Small ST90	90W	45 LEDs	0.39A	10kg	<3500K	142 lm/w	12,800 lm
					4000K	148 lm/w	13,300 lm
					5000K	152 lm/w	13,700 lm
					6000K	157 lm/w	14,100 lm
Zora Small ST120	120W	45 LEDs	0.52A	10kg	<3500K	128 lm/w	15,300 lm
					4000K	132 lm/w	15,800 lm
					5000K	136 lm/w	16,300 lm
					6000K	140 lm/w	16,800 lm

* Flux data based Ta = 25°C

* CCT & Lumen +-10%



Zora Medium ST Series



MATERIALS/COMPONENTS

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 Light System (Optional)
Additional Features	High Efficiency LEDs, Anti-Condensation Valve

FEATURES

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V-240V Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Colour 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 Class - Compliance	ME, CE, S, A (Others available on request)

CERTIFICATIONS

- RCM

ADVANTAGES

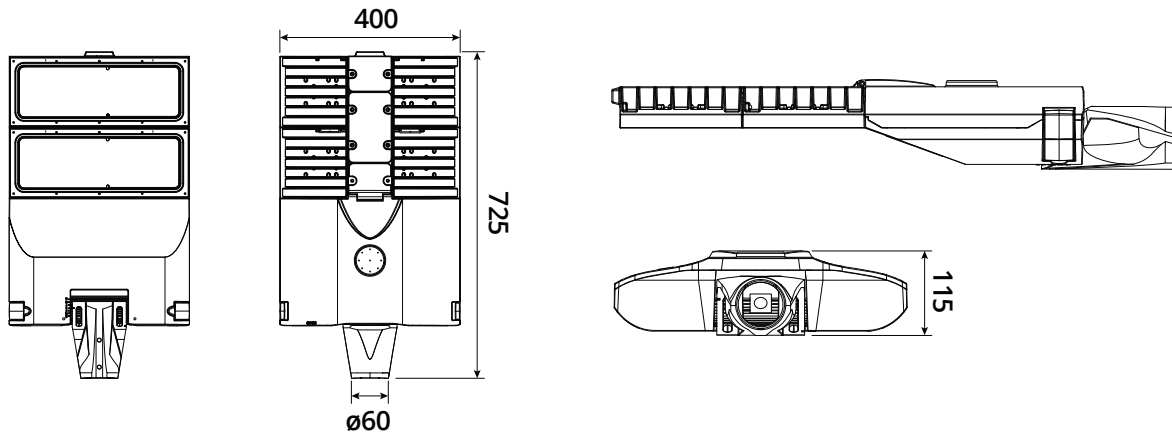
- Low temperature electronics.
- Gear Component Separated from LED module to reduce heat.
- Modular design allows for power upgrade without replacement of luminaire.
- Adjustable Spigot allows for $-15^{\circ} \sim 0 \sim +15^{\circ}$ incline of light head.
- Option to include NEMA socket for Day/Night switch and smart controls.
- Designed for reduced wind resistance.
- Aluminium Die Cast case, in powder coat finish is highly corrosion resistant.
- 5mm tempered, toughened glass for high vandal resistance.
- Lighting Class – ME, CE, S, A (other lighting class available upon request)
- Thoughtfully designed to help extend lamp life past 70,000 hours.
- Maximized saving in energy and maintenance costs.

EASY MAINTENANCE

- Safety switch to terminate power on access door.
- Hand Latches for tool free access
- Luminaires serviced from above.
- Replacement parts readily available – Philips Driver

Street and Area Lighting

Zora Medium ST Series



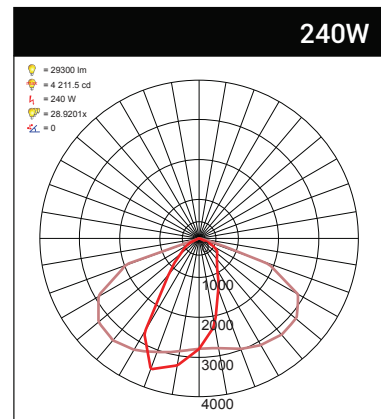
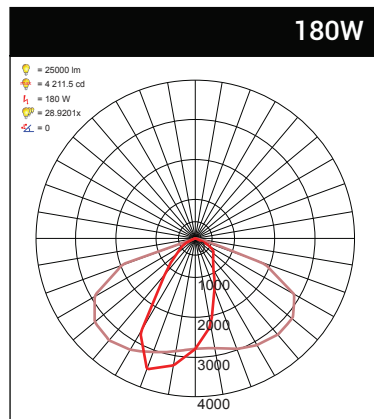
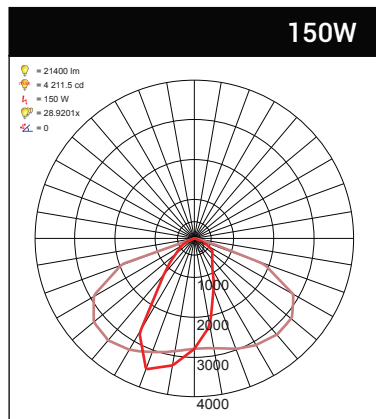
*all dimensions in mm

SPECIFICATION

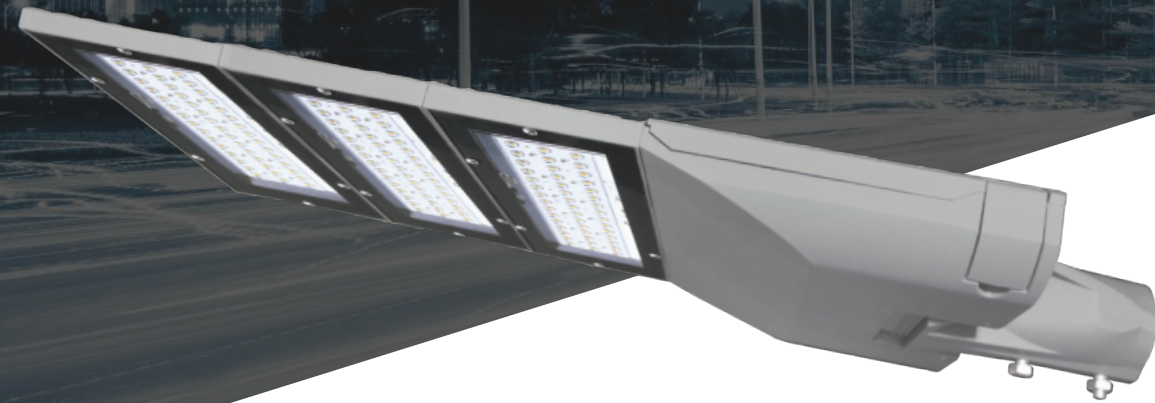
Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
Zora Medium ST150	150W	90 LEDs	0.65A	13kg	<3500K 4000K 5000K 6000K	143 lm/w 146 lm/w 151 lm/w 155 lm/w	21,400 lm 21,900 lm 22,600 lm 23,300 lm
Zora Medium ST180	180W	90 LEDs	0.78A	13kg	<3500K 4000K 5000K 6000K	139 lm/w 142 lm/w 146 lm/w 151 lm/w	25,000 lm 25,500 lm 26,200 lm 27,100 lm
Zora Medium 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

* Flux data based Ta = 25°C

* CCT & Lumen +/-10%



Zora Large ST Series



MATERIALS/COMPONENTS

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 Light System (Optional)
Additional Features	High Efficiency LEDs, Anti-Condensation Valve

FEATURES

Ingress Protection	IP66
Impact Protection	IK09
Input voltage	220V-240V Universal Input
Lumen Maintenance	L90 @ 70,000 hours
Colour 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
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ADVANTAGES

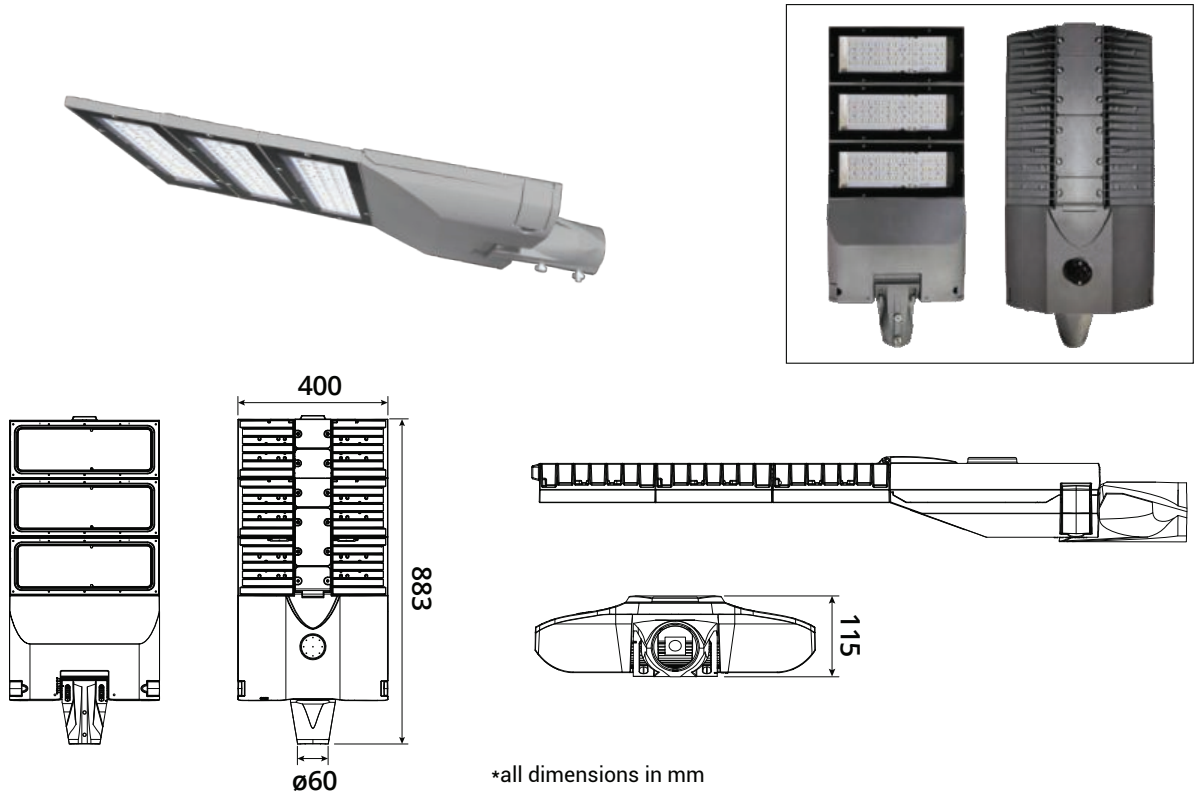
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- Gear Component Separated from LED module to reduce heat.
- Modular design allows for power upgrade without replacement of luminaire.
- Adjustable Spigot allows for -15° ~ 0 ~ +15° incline of light head.
- Option to include NEMA socket for Day/Night switch and smart controls.
- Designed for reduced wind resistance.
- Aluminium Die Cast case, in powder coat finish is highly corrosion resistant.
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- Lighting Class – ME, CE, S, A (other lighting class available upon request)
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Street and Area Lighting

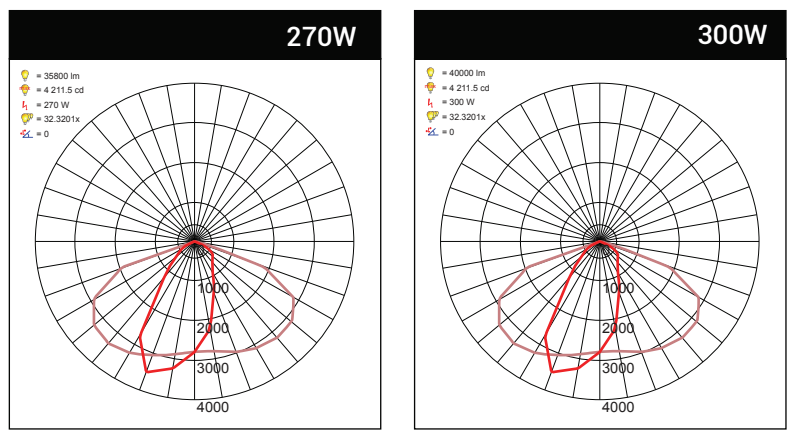
Zora Large ST Series



SPECIFICATION

Model No.	Power	Lamp	Input current	Weight	CCT	Efficacy	Lumen
Zora Large ST270	270W	135 LEDs	1.17A	16.5kg	<3500K	133 lm/w	35,800 lm
					4000K	135 lm/w	36,500 lm
					5000K	138 lm/w	37,300 lm
					6000K	143 lm/w	38,500 lm
Zora Large ST300	300W	135 LEDs	1.30A	16.5kg	<3500K	133 lm/w	40,000 lm
					4000K	135 lm/w	40,500 lm
					5000K	138 lm/w	41,400 lm
					6000K	143 lm/w	42,800 lm

* Flux data based Ta = 25°C
 * CCT & Lumen +/-10%



Zora ST Series Construction



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



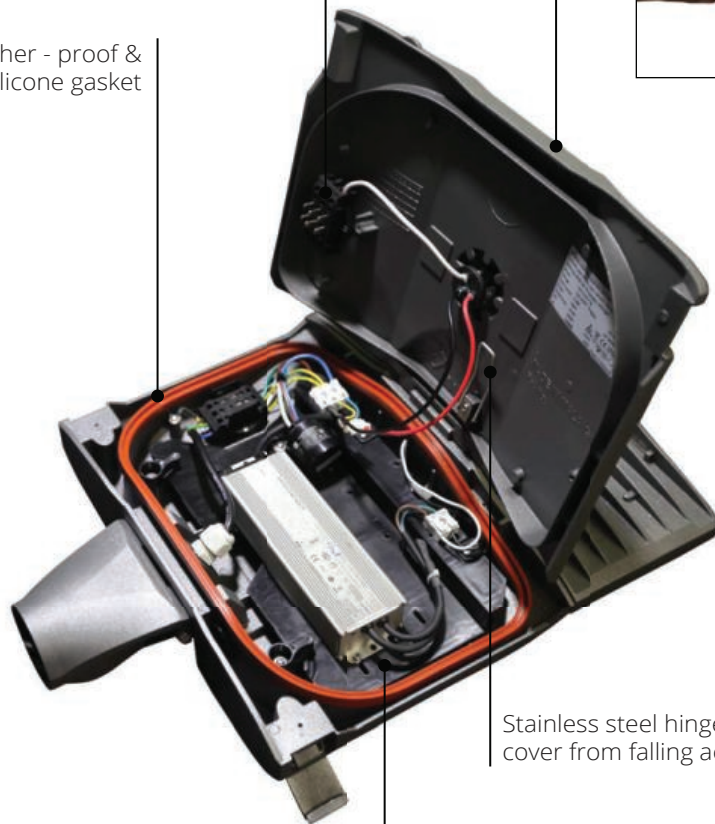
Zora ST Series Construction



Cut - off connector

Weather - proof & durable silicone gasket

Top opening cover



Stainless steel hinge to prevent cover from falling accidentally

IP66 protection compartment



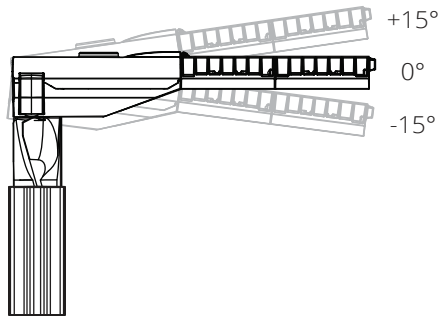
Clip lock gear tray for toolless maintenance



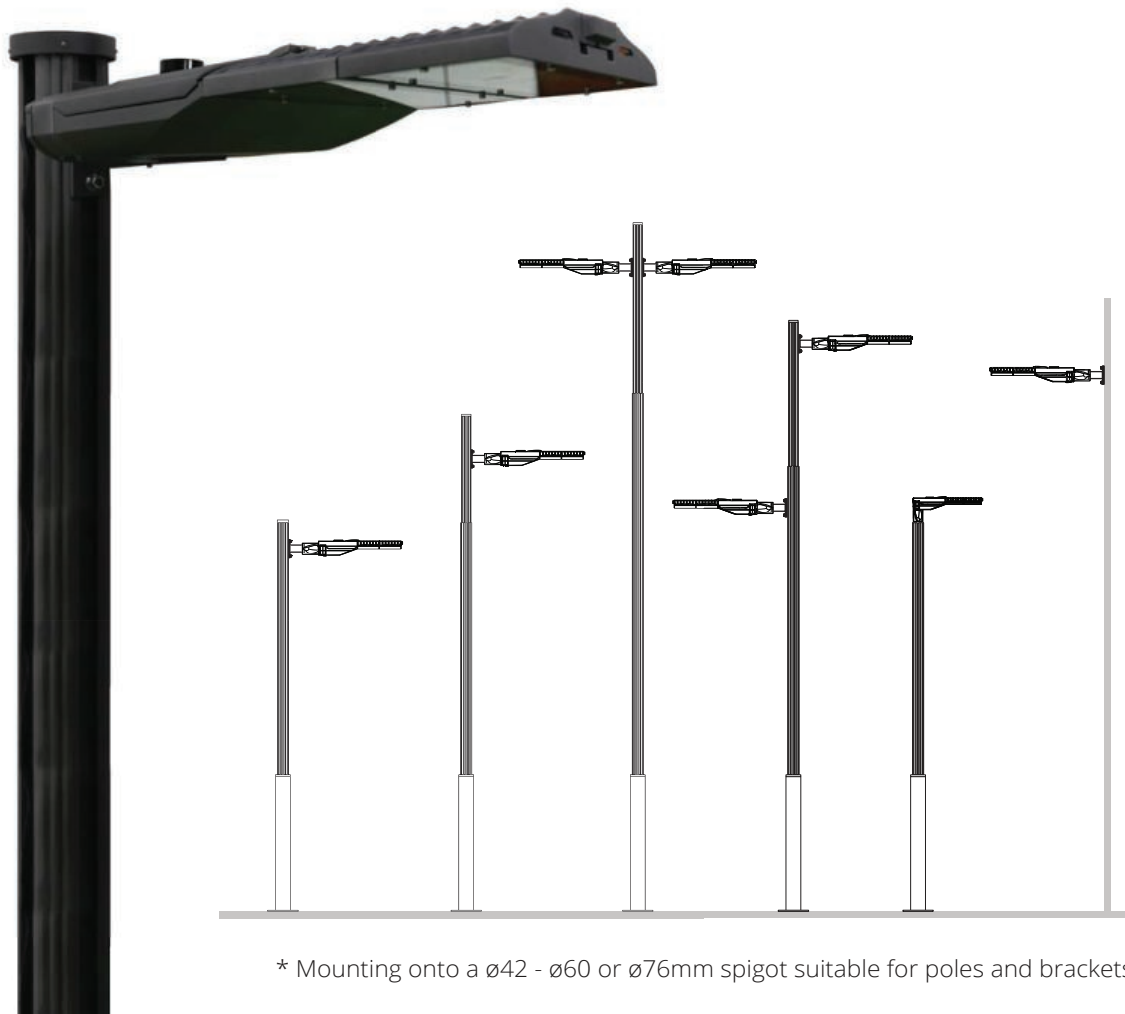
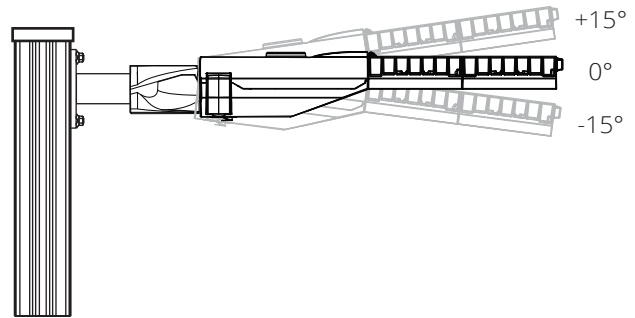
Safety switch to cut off power supply once cover opened

Zora ST Series Install

Post-Top Position



Side-Entry Position



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

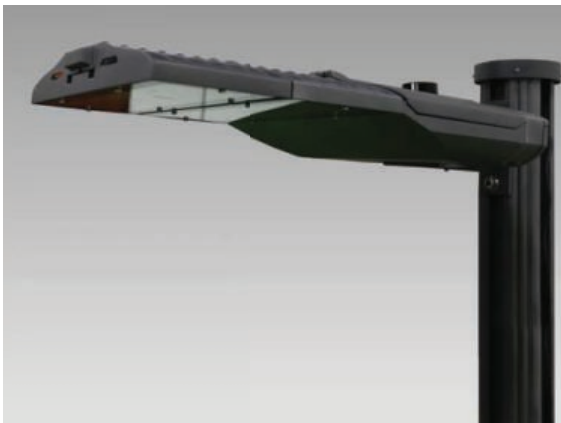
Zora ST Series



LARGE

MEDIUM

SMALL



Notes

Sketch



Certifications

Zora Luminaire Range



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