

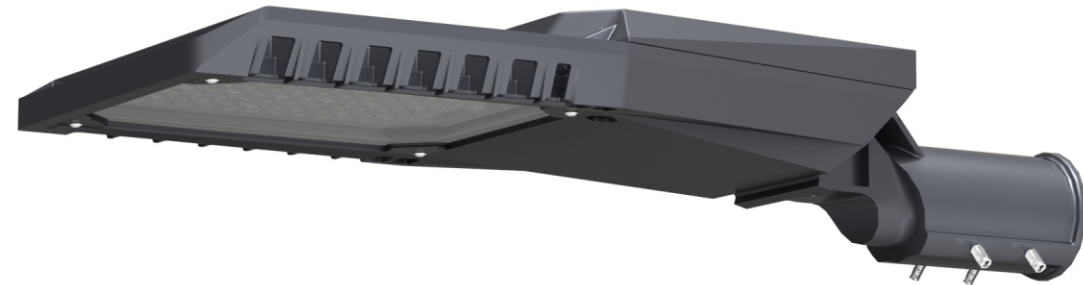
VIMALUX

A brighter vision

STREET LIGHT
SERIES

TUNA

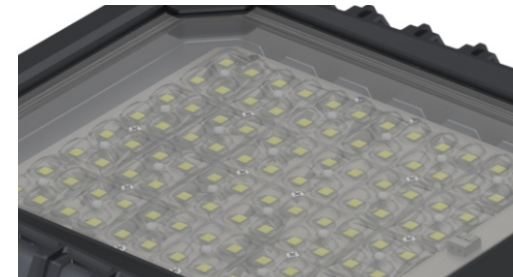




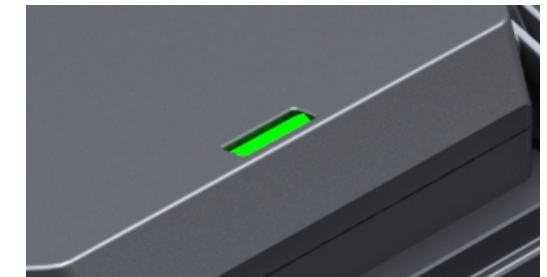
TUNA SERIES

Tuna is a highly efficient LED street luminaire thanks to the excellent optical system. Designed for large-scale public lighting projects, Tuna is the ideal luminaire for municipalities. With its high efficiency and low initial cost, Tuna enables a fast payback and significant savings in terms of energy consumption. Available with different optics and lumen packages, Tuna is flexible in outdoor lighting applications.

Details



Precise optics and highly efficient LED



Bubble level



NEMA Interface

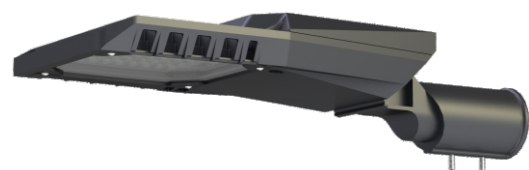


Tool-free access

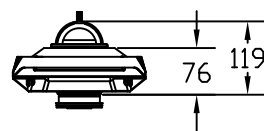
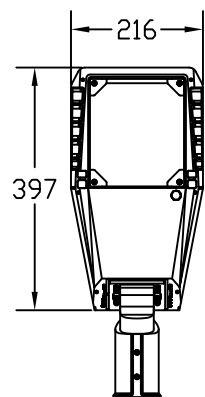
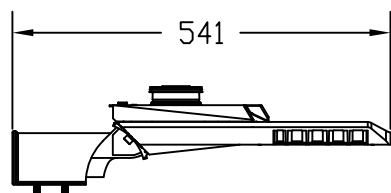
FEATURES & BENEFITS

- Five product sizes offer lumen packages from 3100 to 31000lm
- Cost effective with high luminaire efficacy up to 155lm/w enabling fast payback
- Die-casting aluminum housing, robust and durable
- Quick tool-free latch access to the driver compartment for easy maintenance
- Future-proof and smart ready with NEMA interface alternative
- Excellent thermal management design ensures better performance
- Compatible with both post top and side entry installations
- -20° to +15° tilt steps for easy and quick on-site optical compartment adjustment
- Mounting interface $\Phi 42\text{mm}$, $\Phi 60\text{mm}$ and $\Phi 76\text{mm}$ optional
- Built-in bubble level for easy installation
- Precise and multiple highly-yield optical lens cater to extensive applications

Micro



UNI-STB9-1(20-40W)



Basic

LED: Osram / Lumileds
 Driver: Inventronics / MOSO
 Insulation Class: Class I / Class II (optional)
 Protection Grade: IP66 / IK08
 Nominal CCT: 3000 / 4000 / 5000 / 5700 / 6500K
 Pole Diameter: Ø60mm / Ø42mm, Ø76mm (optional)

Environment

Operating Temperature: -40°C~ 45°C
 Operating Humidity: 10% ~ 90%RH
 Storage Temperature: -40°C~ 55°C

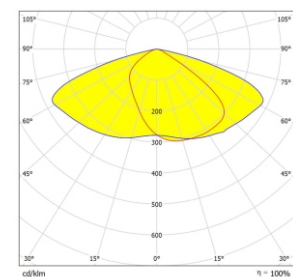
Electronics

Input Voltage: AC220~240V / 100~240V / 100-277V
 Frequency: 50 / 60Hz
 Power Factor: 0.92
 Surge Protection: 10KV / 20KV
 Control Options: Photocontrol (NEMA)
 / Timmer Control / 0~10V Dimming
 / DALI Control / NEMA 3 / 5 / 7-pin
 / Solar Compatible (optional)

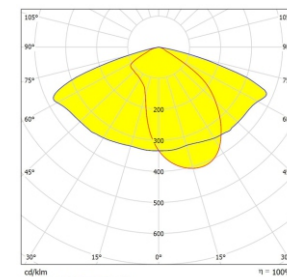
Structure

Max Projected Area: 0.09m²
 Housing Material: Die Casting Aluminum
 Luminaire Dimension: 541×216×119mm
 Packing Dimension: 540×315×205mm
 Net Weight: 3.5±0.2Kg
 Gross Weight: 4.5±0.2Kg

Main Parameters



UNI-851 3030



UNI-842 5050

3030 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	24	UNI-851	125 lm/W	2500 lm	117 lm/W	2340 lm
30	32	UNI-851	125 lm/W	3750 lm	117 lm/W	3510 lm
40	40	UNI-851	125 lm/W	5000 lm	117 lm/W	4680 lm

5050 Light Source

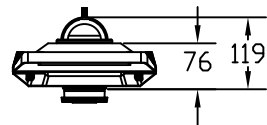
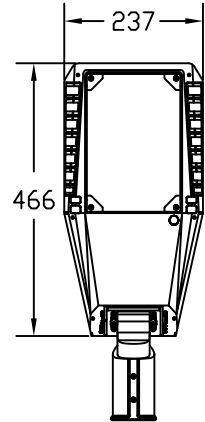
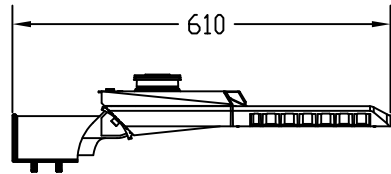
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
20	24	UNI-842	155 lm/W	3100 lm	145 lm/W	2900 lm
30	36	UNI-842	155 lm/W	4650 lm	145 lm/W	4350 lm
40	46	UNI-842	155 lm/W	6200 lm	145 lm/W	5800 lm

The luminaire efficacies are the typical values, ±7% tolerance is reserved.

Mini



UNI-STB9-2(50-75W)



Basic

LED: Osram / Lumileds
 Driver: Inventronics / MOSO
 Insulation Class: Class I / Class II (optional)
 Protection Grade: IP66 / IK08
 Nominal CCT: 3000 / 4000 / 5000 / 5700 / 6500K
 Pole Diameter: Ø60mm / Ø42mm, Ø76mm (optional)

Environment

Operating Temperature: -40°C~ 45°C
 Operating Humidity: 10% ~ 90%RH
 Storage Temperature: -40°C~ 55°C

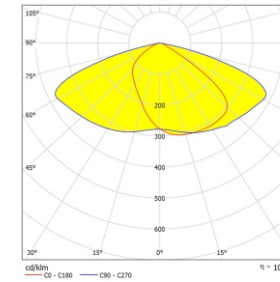
Electronics

Input Voltage: AC220~240V / 100~240V / 100~277V
 Frequency: 50 / 60Hz
 Power Factor: 0.92
 Surge Protection: 10KV / 20KV
 Control Options: Photocontrol (NEMA)
 / Timmer Control / 0~10V Dimming
 / DALI Control / NEMA 3 / 5 / 7-pin
 / Solar Compatible (optional)

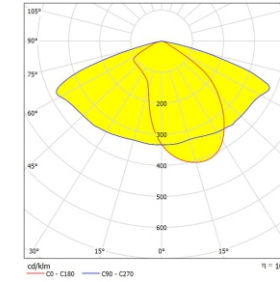
Structure

Max Projected Area: 0.11m²
 Housing Material: Die Casting Aluminum
 Luminaire Dimension: 610×237×119mm
 Packing Dimension: 540×345×205mm
 Net Weight: 4.0±0.2Kg
 Gross Weight: 5.0±0.2Kg

Main Parameters



UNI-851 3030



UNI-842 5050

3030 Light Source

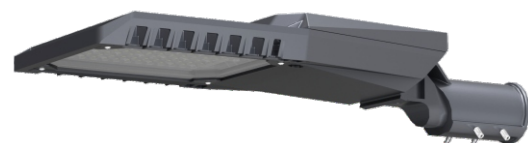
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
50	48	UNI-851	125 lm/W	6250 lm	117 lm/W	5850 lm
60	64	UNI-851	125 lm/W	7500 lm	117 lm/W	7020 lm
75	80	UNI-851	125 lm/W	9375 lm	117 lm/W	8775 lm

5050 Light Source

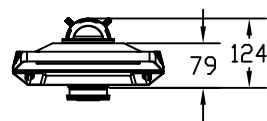
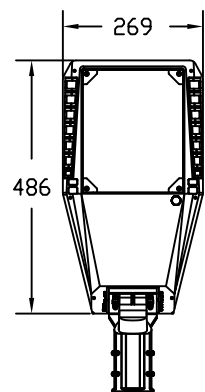
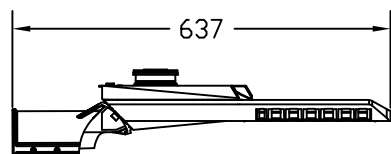
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
50	54	UNI-842	155 lm/W	7750 lm	145 lm/W	7250 lm
60	54	UNI-842	155 lm/W	9300 lm	145 lm/W	8700 lm
75	60	UNI-842	155 lm/W	11625 lm	145 lm/W	10875 lm

The luminaire efficacies are the typical values, ±7% tolerance is reserved.

Mini-plus



UNI-STB9-3(90-120W)



Basic

LED: Osram / Lumileds
 Driver: Inventronics / MOSO
 Insulation Class: Class I / Class II (optional)
 Protection Grade: IP66 / IK08
 Nominal CCT: 3000 / 4000 / 5000 / 5700 / 6500K
 Pole Diameter: Ø60mm / Ø42mm, Ø76mm (optional)

Environment

Operating Temperature: -40°C~ 45°C
 Operating Humidity: 10% ~ 90%RH
 Storage Temperature: -40°C~ 55°C

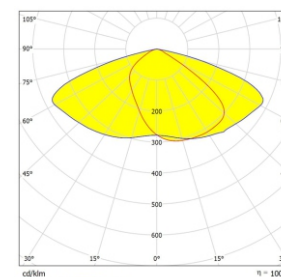
Electronics

Input Voltage: AC220~240V / 100~240V / 100-277V
 Frequency: 50 / 60Hz
 Power Factor: 0.95
 Surge Protection: 10KV / 20KV
 Control Options: Photocontrol (NEMA)
 / Timmer Control / 0~10V Dimming
 / DALI Control / NEMA 3 / 5 / 7-pin
 / Solar Compatible (optional)

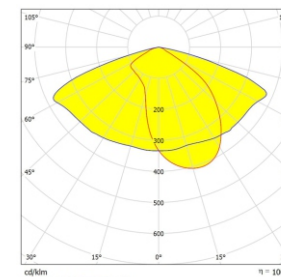
Structure

Max Projected Area: 0.13m²
 Housing Material: Die Casting Aluminum
 Luminaire Dimension: 637×269×124mm
 Packing Dimension: 565×345×215mm
 Net Weight: 6.0±0.2Kg
 Gross Weight: 7.5±0.2Kg

Main Parameters



UNI-851 3030



UNI-842 5050

3030 Light Source

lm

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
90	96	UNI-851	125 lm/W	11250 lm	117 lm/W	10530 lm
100	96	UNI-851	125 lm/W	12500 lm	117 lm/W	11700 lm
120	120	UNI-851	125 lm/W	15000 lm	117 lm/W	14040 lm

5050 Light Source

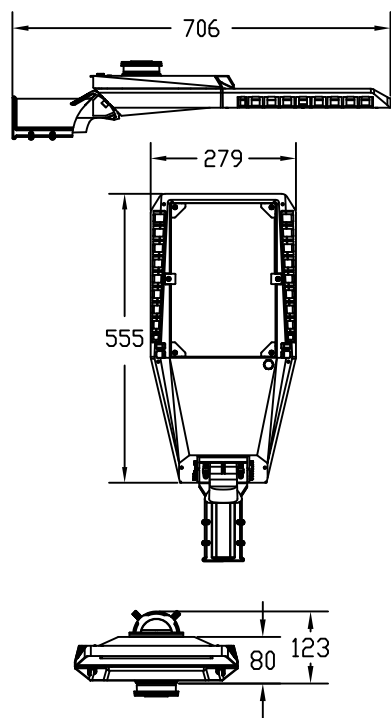
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
90	60	UNI-842	155 lm/W	13950 lm	145 lm/W	13050 lm
100	60	UNI-842	155 lm/W	15500 lm	145 lm/W	14500 lm
120	72	UNI-842	155 lm/W	18600 lm	145 lm/W	17400 lm

The luminaire efficacies are the typical values, ±7% tolerance is reserved.

Midi



UNI-STB9-4(150W)



Basic

LED: Osram / Lumileds
 Driver: Inventronics / MOSO
 Insulation Class: Class I / Class II (optional)
 Protection Grade: IP66 / IK08
 Nominal CCT: 3000 / 4000 / 5000 / 5700 / 6500K
 Pole Diameter: Ø60mm / Ø42mm, Ø76mm (optional)

Environment

Operating Temperature: -40°C~ 45°C
 Operating Humidity: 10% ~ 90%RH
 Storage Temperature: -40°C~ 55°C

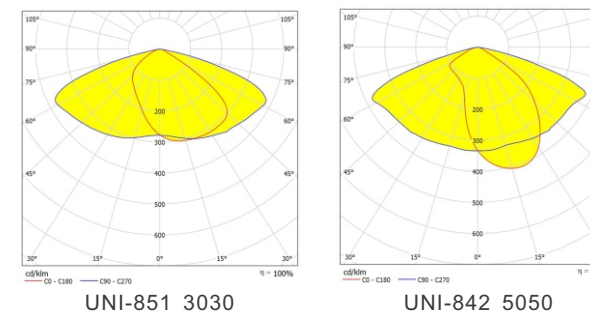
Electronics

Input Voltage: AC220~240V / 100~240V / 100-277V
 Frequency: 50 / 60Hz
 Power Factor: 0.95
 Surge Protection: 10KV / 20KV
 Control Options: Photocontrol (NEMA)
 / Timmer Control / 0~10V Dimming
 / DALI Control / NEMA 3 / 5 / 7-pin
 / Solar Compatible (optional)

Structure

Max Projected Area: 0.15m²
 Housing Material: Die Casting Aluminum
 Luminaire Dimension: 706×279×123mm
 Packing Dimension: 645×360×215mm
 Net Weight: 6.5±0.2Kg
 Gross Weight: 8.0±0.2Kg

Main Parameters



3030 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
150	160	UNI-851	125 lm/W	18750 lm	117 lm/W	17550 lm

5050 Light Source

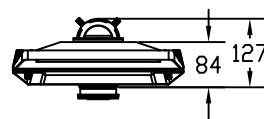
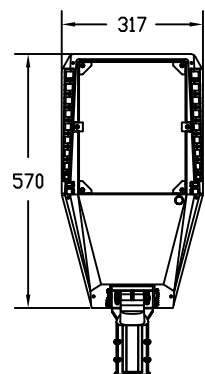
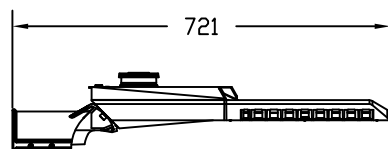
Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
150	90	UNI-842	155 lm/W	23250 lm	145 lm/W	21750 lm

The luminaire efficacies are the typical values, ±7% tolerance is reserved.

Maxi



UNI-STB9-5(180-200W)



Basic

LED: Osram / Lumileds
 Driver: Inventronics / MOSO
 Insulation Class: Class I / Class II (optional)
 Protection Grade: IP66 / IK08
 Nominal CCT: 3000 / 4000 / 5000 / 5700 / 6500K
 Pole Diameter: Ø60mm / Ø42mm, Ø76mm (optional)

Environment

Operating Temperature: -40°C~ 45°C
 Operating Humidity: 10% ~ 90%RH
 Storage Temperature: -40°C~ 55°C

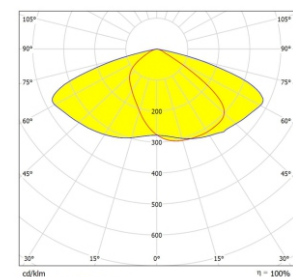
Electronics

Input Voltage: AC220~240V / 100~240V / 100-277V
 Frequency: 50 / 60Hz
 Power Factor: 0.95
 Surge Protection: 10KV / 20KV
 Control Options: Photocontrol (NEMA)
 / Timmer Control / 0~10V Dimming
 / DALI Control / NEMA 3 / 5 / 7-pin
 / Solar Compatible (optional)

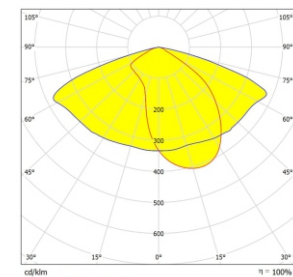
Structure

Max Projected Area: 0.18m²
 Housing Material: Die Casting Aluminum
 Luminaire Dimension: 721×317×127mm
 Packing Dimension: 675×415×215mm
 Net Weight: 7.5±0.2Kg
 Gross Weight: 9.5±0.2Kg

Main Parameters



UNI-851 3030



UNI-842 5050

3030 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
180	192	UNI-851	125 lm/W	22500 lm	117 lm/W	21060 lm
200	192	UNI-851	125 lm/W	25000 lm	117 lm/W	23400 lm

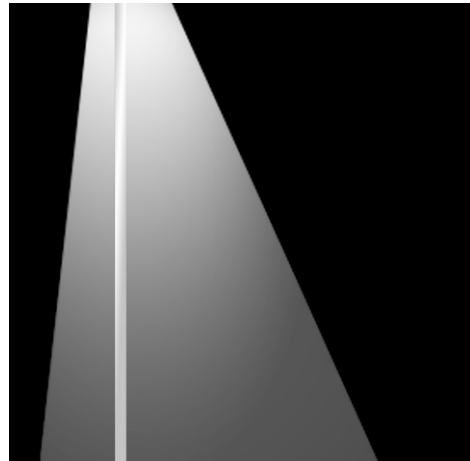
5050 Light Source

Power (W)	LED QTY (pcs)	Light Distribution	4000K Ra70@Ta=25°C		3000K Ra70@Ta=25°C	
			Luminaire Efficiency	Luminous Flux	Luminaire Efficiency	Luminous Flux
180	100	UNI-842	155 lm/W	27900 lm	145 lm/W	26100 lm
200	112	UNI-842	155 lm/W	31000 lm	145 lm/W	29000 lm

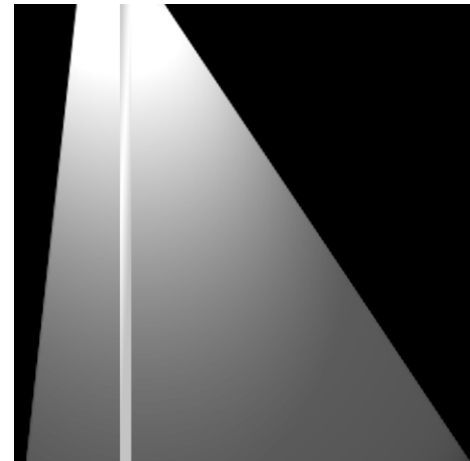
The luminaire efficacies are the typical values, ±7% tolerance is reserved.

Light Distributions

With 6 optical distributions for ultimate flexibility and precise lighting control



Type II
Typical applications:
Narrow roads and footpaths



Type III
Typical applications:
Wide roads

Spigot

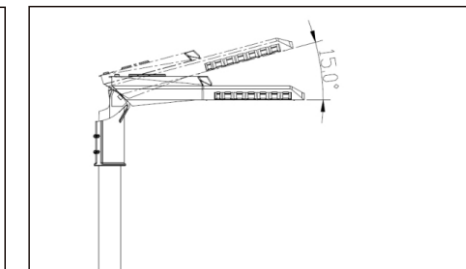
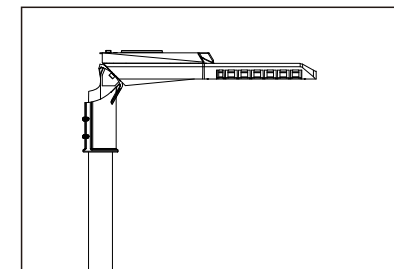
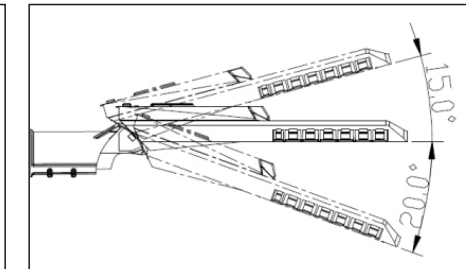
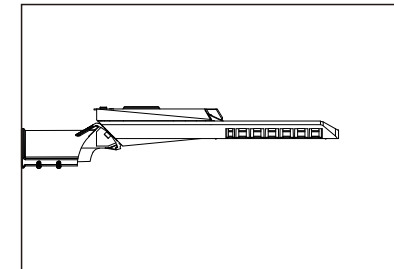


Micro~Mini



Mini Plus~Maxi

- Dual-purpose spigots for side entry and post top installation -20° to +15° maximum tilt steps in 5-degree
- Constructed from robust die-casting aluminum
- Stainless steel hardware
- 42 / 60 / 76 mm diameter options cater for existing or newly fabricated light poles



Controller



NEMA Control

Features

- With PWM and 0-10V dimming interfaces
- With the data acquisition of parameters like current, voltage, power and power factor
- With reporting the analysis of power consumption and energy saving
- With monitoring and detecting the status of LED luminaire
- Automatic faulty reporting function
- With surge protection function
- IP65 rated

Communication Interface	Communication Method	Communication Distance	Dimming Signal
NEMA	LoRa / ZigBee NB / 4G LTE	LoRa: 1000M ZigBee: 200M NB: ∞ 4G LTE: ∞	PWM 0- 10v

VIMALUX

A brighter vision