



LED Road light 130W

The Road-light comes in different powers to meet the demands of diverse street lighting applications. They provide general area lighting and improve the overall illumination quality and colour reproduction. The slim, low profile design adds architectural appeal to street lighting application with crisp uniform white light that offer high performance and maximizing energy savings. Equivalent to 250W conventional street lights.

Features

- Cost-effective solid-state solution for street lighting applications, replacing high wattage luminaires.
- High Efficiency up to 170LM per watt LED delivers superior performance.
- Streamlined design to reduce wind resistance.
- Flame retardant casing.
- 6KV Line-Line and 10KV Line-Earth surge protection and 3G vibration rated.

Benefits

- Instant start up
- No Flickering, No Humming
- No emission of IR and UV rays
- Long operating life of more than 50,000 hours for the LED ensures the system to be low on maintenance
- Environment friendly, does not contain mercury (RoHS)

- Buckle design for easy maintenance and tool-free hinged removable door.
- Dual mounting option – Post top and Side entry installation design.
- UV stabilized polyester powder paint finish for durability and corrosion resistance.
- Auto electrical disconnection with built in circuit breaker, tool free electrical gear tray.
- Levelling adjustments to mounting from -15 degree to +15 degree.

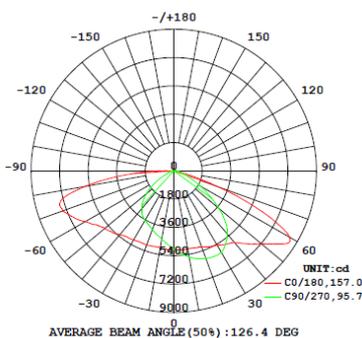
Applications

- Highways, airports, factories, warehouses and parking areas.

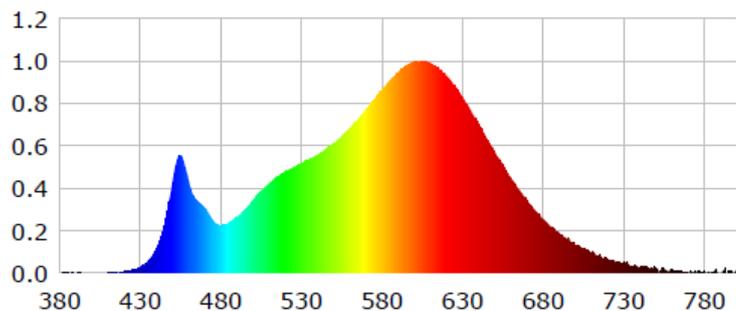
Specifications

Model No.	S05335-130	Input Voltage	100-277VAC
Light Source	SMD LED, Lumileds 5050	Frequency	50/60Hz
Power	130W	THD	<10%
Luminous efficacy	160LM/W	Power factor	>0.95
Luminous flux	20800LM	Operating temperature	-20 ⁰ to 50 ⁰ C
CCT	3000K (830)	CRI	>70
Beam Angle	Type II (85x145) Degree	Ambient Humidity	10% to 90%
Life	50,000 Hours	Surge protection	6kV differential mode 10kV common mode
Intelligent Control	Photocell / DALI / 1-10V (optional)	IK rating	IK08
Fixture Colour	Silver Gray / black	IP Rating	IP65
Dimension	L622 x W301 x H103 mm	Mounting	On poles (Post top or Side entry)
Mounting pole diameter	60mm	Adjustable boom angle	-15 ⁰ - +15 ⁰
Material	Aluminium die casting, PC lenses, glass cover	Warranty	5 Years
Weight	7.9 Kg	Certifications	CE, RoHS, LM79, UL

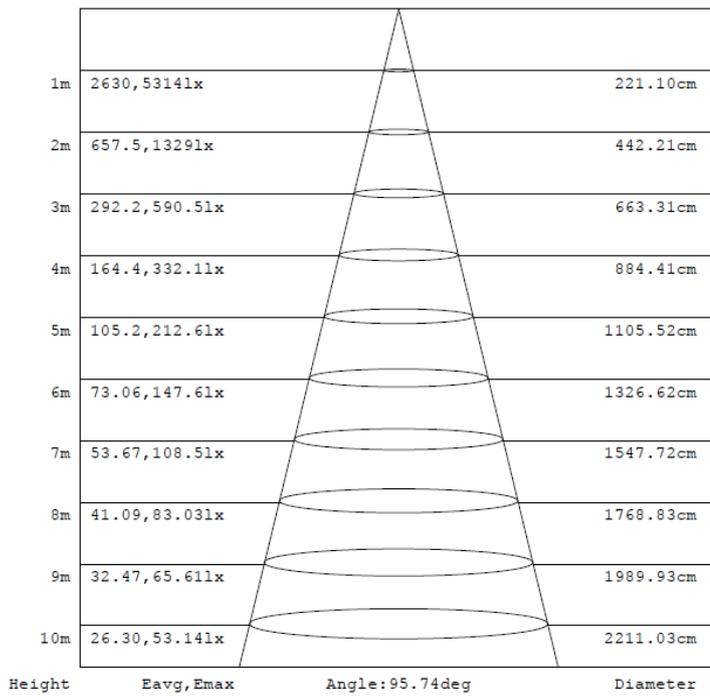
Light distribution diagram



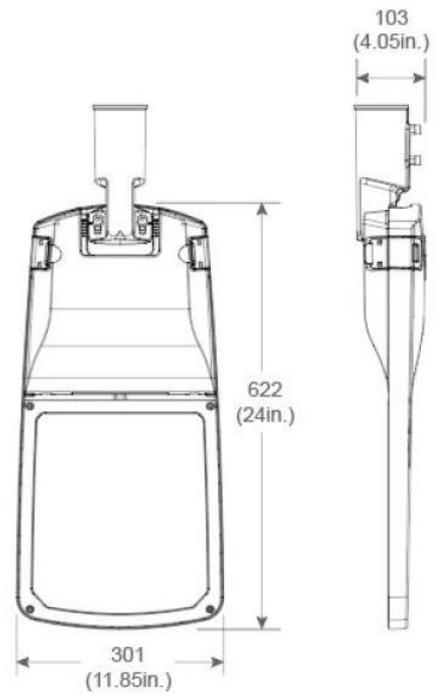
Photometric data



Lux level diagram



Dimensional drawing



Installation methods



Side entry



Post Top

Smart structure - Tool free maintenance



Control gear / LED driver compartment with tool free maintenance design

Product Pictures

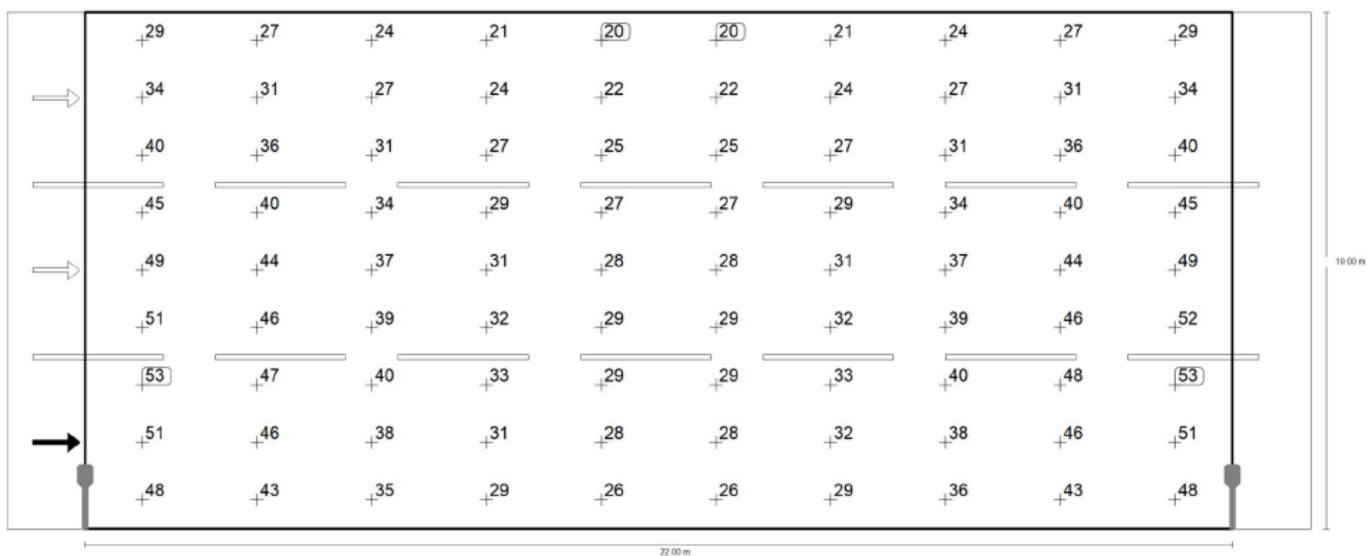


Gray colour fixture

Lighting calculations in Dialux simulation.



Distance between Poles: 22 Meter, Pole height: 8.5 Meter, Boom inclination: 12.0°, Arm length: 1 meter
 Lamp power: 130W max, Width of road: 10 meters. Lux measured at 8.5 Meter from the light source.



Maintenance value, horizontal illuminance [lx] (Value grid) measured on the road, 8.5meter from the light source

Maintenance value, horizontal illuminance

E_{av}	E_{min}	E_{max}
34.6 lx	19.6 lx	52.7 lx