E-LITE

PHANTOM SERIES
LED Street Light

A TYPICAL COBRA-HEAD

Four housing sizes and a range of beam optics to fully cater to different road configurations and conditions.
One-piece die-cast aluminum housing with integral mounting for strength and durability.
Automatic disconnect design ensures easy and safe access, with a great choice of controls to minimize power consumption and maximize the benefits of smart lighting.

FEATURES

High quality Sosen driver + Lumileds 3030 LED chips
Beam angle of 70x140°, 70x150°, 90x145°
Multi-voltage choices are available in 100-277VAC and 277-480V AC
Easy Installation, Direct Slide-in Mount.
CE, RoHS, ETL and DLC approval
IP66, water and dust proof.
10KV surge protection and 3G Vibration.
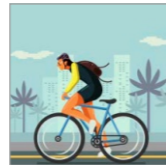5-10 Years Warranty.

APPLICATIONS

IP66 rated waterproof, state-of-the-art, aesthetically pleasant
compact design street lights with no exposed electronics or wiring
are safe to use in any harsh extreme outdoor conditions, such as
motorways, major roadways, crossings, parking lots, walkways and
general large areas.

Roads & Motorways

Urban & Residential Streets

Bike & Pedestrian Paths

Squares & Pedestrian Areas

Bridges

Large Areas

Railway Station & Metros

Car Parks

PERFORMANCE

	10W~240W
	135lm/W~145lm/W
LEDS	Philips Lumileds / Cree
	AC 100~277V / AC 200~480 V
PF	0.95 min
	Sosen / Inventronics
CRI	≥ 70
CCT	4500~5500K(2500~5500K optional)
100K	L70>100,000hours
IES	Type Ⅱ / Type Ⅲ
	IP66 / IP67
IK	IK09
	3G Vibration
	Operating Temperature:-45°C to +45°C (-49°F to 113°F) Storing Temperature:-45°C to +80°C (-49°F to 176°F)

IP66 | Water and Dust Proof.

SPECIFICATIONS

	Power	LEDs Qty	Lens Qty	Output Current	Efficacy (IES)	Total Lumens	N.W	Product Dimension
EO-STPT-30	10W	24	3	73mA	145lm/w	1450lm	4.0kg/8.8Ibs	520×212×90mm 20.5x8.3x3.5in
	15W	24	3	93mA	139lm/w	2085lm		
	20W	30	3	100mA	138lm/w	2760lm		
	25W	36	3	106mA	139lm/w	3614lm		
	30W	36	3	125mA	135lm/w	4050lm		
EO-STPT-60	35W	48	6	106mA	135lm/w	4725lm	5.3kg/11.7Ibs	616×259×186mm 24.3x10.2x7.3in
	40W	60	6	100mA	139lm/w	5560lm		
	45W	60	6	111mA	136lm/w	6120lm		
	50W	72	6	106mA	140lm/w	7000lm		
	60W	72	6	125mA	135lm/w	8100lm	5.4kg/11.9Ibs	
EO-STPT-90	65W	80	8	120mA	137lm/w	8905lm	5.4kg/11.9Ibs	
	70W	80	8	130mA	135lm/w	9450lm		
	75W	96	8	120mA	139lm/w	10425lm		
	80W	96	8	126mA	137lm/w	10960lm		
	90W	96	8	143mA	135lm/w	12150lm	5.5kg/12.1Ibs	
EO-STPT-120	95W	120	12	123mA	139lm/w	13205lm	7.4kg/16.3Ibs	677×305×187mm 26.7x12x7.4in
	100W	120	12	130mA	137lm/w	13700lm		
	110W	144	12	120mA	139lm/w	15290lm	7.5kg/16.5Ibs	
	120W	144	12	130mA	135lm/w	16200lm		
EO-STPT-150	125W	150	15	130mA	135lm/w	16875lm	7.5kg/16.5Ibs	
	150W	180	15	130mA	135lm/w	20250lm		
EO-STPT-200	175W	200	20	135mA	135lm/w	23625lm	11.5kg/25.4Ibs	850×366×198mm 33.5x14.4x7.8in
	200W	240	20	130mA	135lm/w	27000lm		
	220W	288	24	120mA	139lm/w	30580lm	11.7kg/25.8Ibs	
	240W	288	24	130mA	135lm/w	32400lm		

Street Side Shields(Front)

Order code	Description	Shield Depth	
PH-01-XX	EO-STPT-30	1.5′ / 3.8cm	3 ' / 7.6cm
PH-02-XX	EO-STPT-60 EO-STPT-90	1.5 ' / 3.8cm	3 ' / 7.6cm
PH-03-XX	EO-STPT-120 EO-STPT-150	2 ' / 5.1cm	4 ' / 10.2cm
PH-04-XX	EO-STPT-200	2 ' / 5.1cm	4 ' / 10.2cm

Street Side Shields(LQR)

Order code	Description	Shield Dep	
PH-01-XX	EO-STPT-30	1.5′ / 3.8cm	3 ' / 7.6cm
PH-02-XX	EO-STPT-60 EO-STPT-90	1.5 ' / 3.8cm	3 ' / 7.6cm
PH-03-XX	EO-STPT-120 EO-STPT-150	2 ' / 5.1cm	4 ' / 10.2cm
PH-04-XX	EO-STPT-200	2 ' / 5.1cm	4 ' / 10.2cm

House Side Shields(Back)

Order code	Description	Shield Depth
PH-01-XX	EO-STPT-30	3 ' / 7.6cm
PH-02-XX	EO-STPT-60 EO-STPT-90	3 ' / 7.6cm
PH-03-XX	EO-STPT-120 EO-STPT-150	4 ' / 10.2cm
PH-04-XX	EO-STPT-200	5 ' / 12.7cm
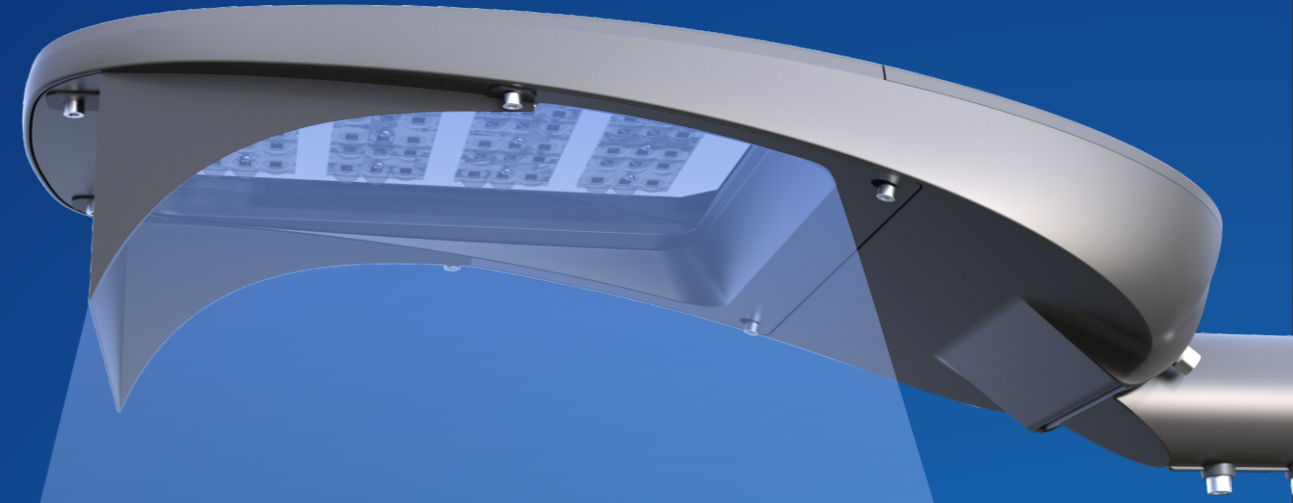
LIGHT SPILL CONTROL

Any light that falls beyond the area that is being illuminated that is not intentional or required is considered spill light. Besides the special designed optics, kinds of different shields used to control the light distribution well.
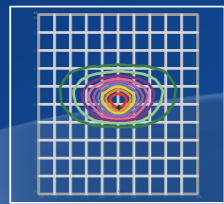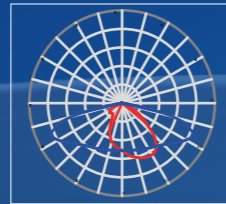Limit light pollution and no light for dark sky.
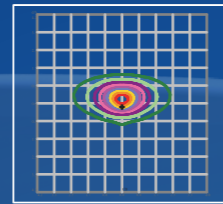
PHOTOMETRICS

70 x 140（TYPE Ⅱ-S）

0.0~180.0
90.0~270.0
Mount Height(m): 6

70 x 150（TYPE Ⅱ-M）

0.0~180.0
90.0~270.0
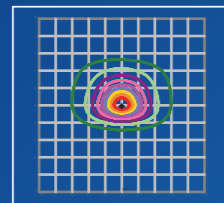Mount Height(m): 8

95 x 150（TYPE Ⅲ-S）

0.0~180.0
90.0~270.0
Mount Height(m): 6

INSTALLATION

1. Unlock the screws, adjust the angle of slip fitter.
2. Feed the power cord through the pole and make wiring.
3. Insert the fixture into the pole, lock the screws.
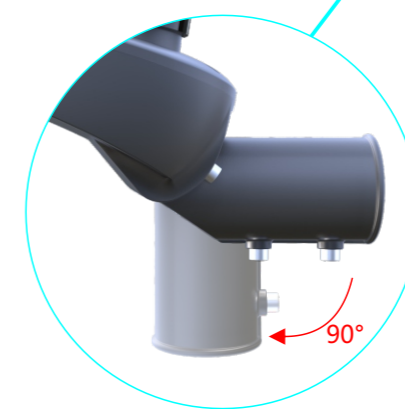

Unlock Screw

Driver Box

NEMA Socket

Wiring

NEMA/Zhaga Connection

Slip Fitter

90°
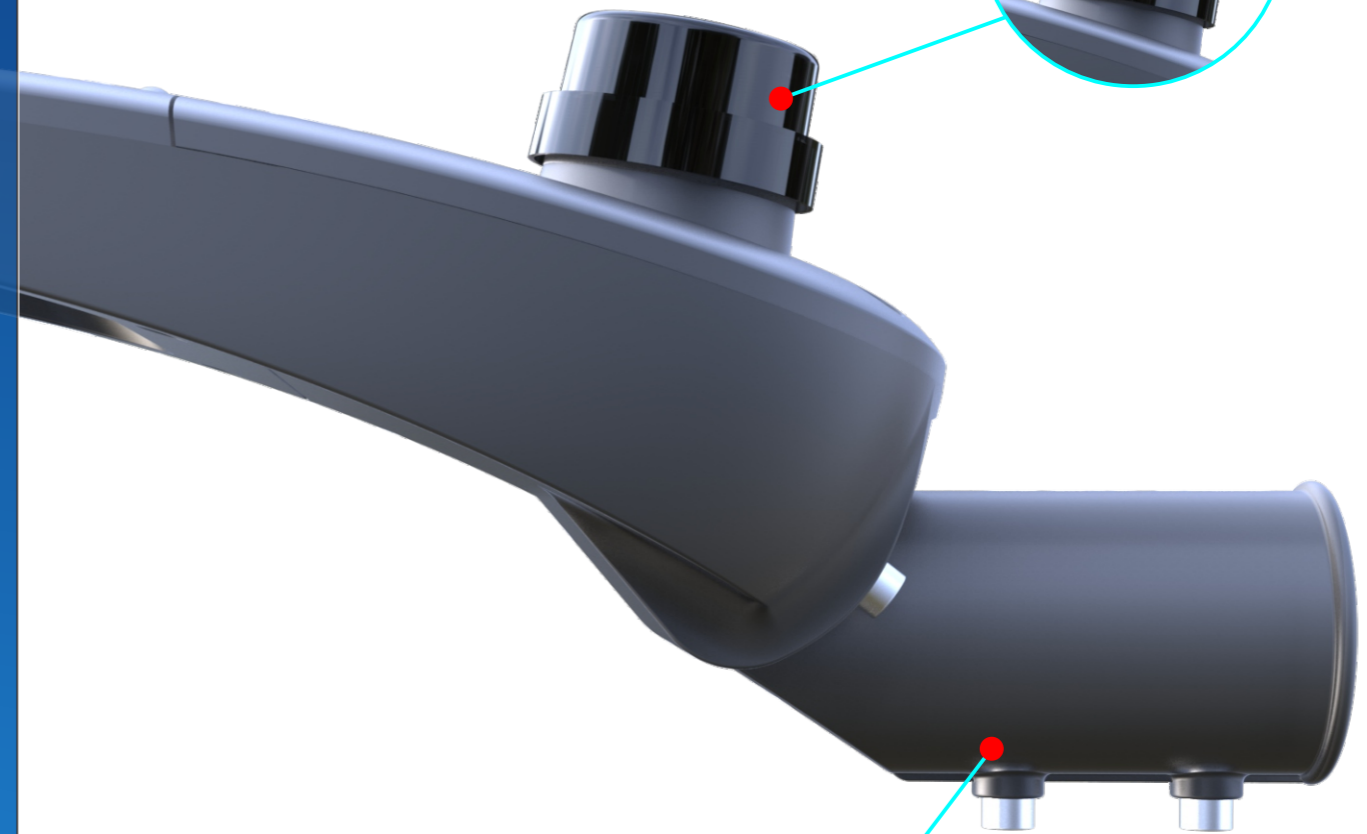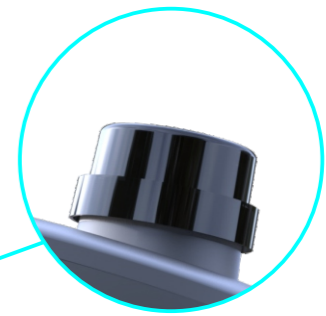
ELECTRICS

Field Adjustable Output Module

The Field Adjustable Output Module is a factory-installed voltage regulating device that is connected to the gray (-) and violet (+) 0-10V dimming leads of the LED driver.

Manually dialing the switch allows the fixture to be dimmed in the field.

The FAM is placed in the power pack

Future Ready NEMA/Zhaga Connection

Ready NEMA or Zhaga socket to enable further control of streetlight from simple photocell to smart city controller node.

Line Voltage Wires 100-277VAC, 50/60Hz 1000W

NEMA EI-ENN

Note: All wiring to the receptacle must be completed in the factory or by a qualified electrician with fixture completely disconnected from power.

NEMA 7-pin connector (ANSI 136.41); mating receptacle is not provided.

Black

White

Red

PURPLE

Black

PURPLE

Brown

Orange

Gray

PURPLE

Black

Gray

Gray

LED Dimming Driver

Motion Sensor ANT-5-4

A FUTURE
PROOF
SOLUTION

Smart City

iNET™ Intelligent Lighting Monitor & Control System is a cloud based wireless smart system designated for lighting management.

With gateways + control node., iNET™ System monitors lights performance status, collects operation data, controls lights on/off or dimming, and sends alarm in case of fault detected.

iNET Cloud

LAN or
Cellular
Connection

iNTE Cloud
on device browsers

RF Network

RF Light Controllers

System & Hardwares

Automatic Light On/Off & Dimming Control
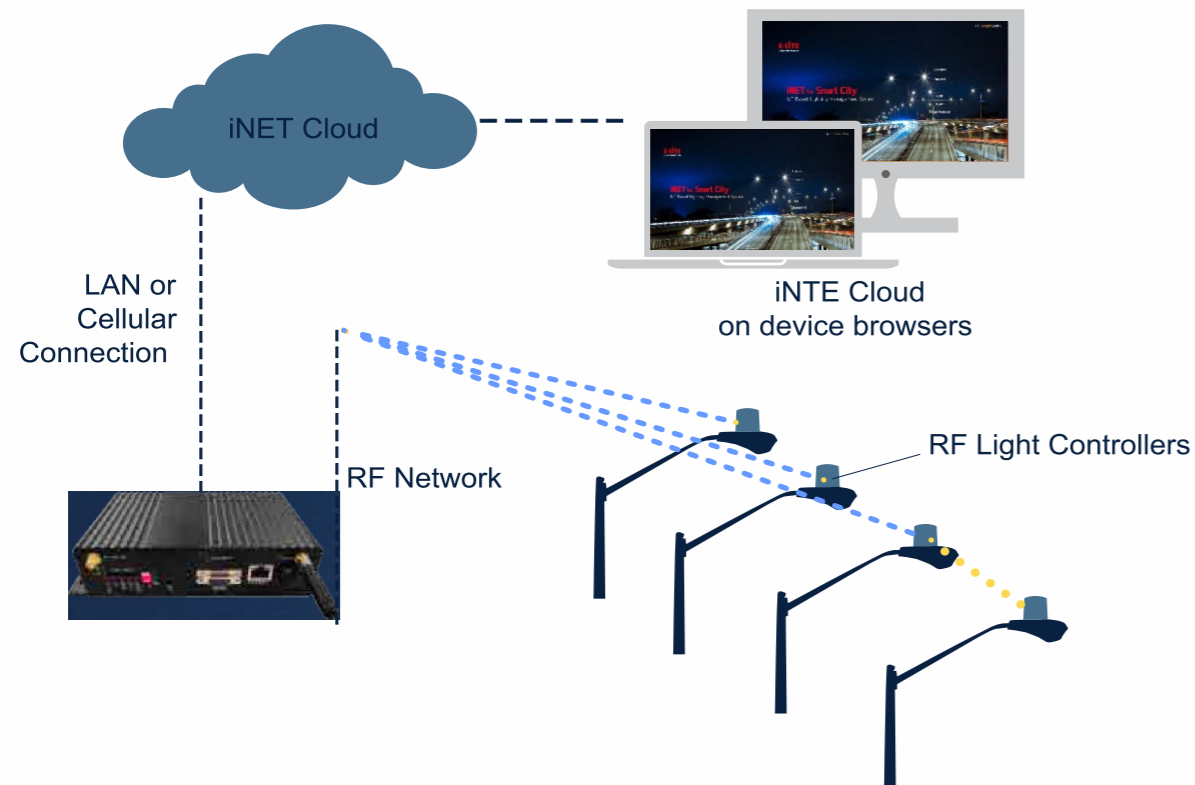· By time setting
· On/off or dimming with motion sensor detection
· On/off or dimming with photocell detection

Accurate Operation & Fault Monitor
· Real-time monitor on each light working status
· Accurate report on fault dectected
· Provide location of fault, no patrol required
· Collect each light operation data, such as voltage, current, power consumption

Extra I/O Ports for Sensor Expandability
· Environment Monitor
· Traffic Monitor
· Security Surveillance
· Seismic Activities Monitor

Reliable Mesh Network
· Self proprietary wireless control node
· Reliable node to node, gateway to node communication
· Up to 1000 nodes per network
· Max. network diameter 2000m

Easy-to-use Platform
· Easy monitor on each and all lights status
· Support lighting policy remote set-up
· Cloud server accessible from computer or hand held device

ORDERING INFORMATION

E-LITE semicon

EO – STPT – XX – XX – 01 – 04 – 06 – 42 – 03 – 02 – 03 – 01 – 01 – 07 – 04 – 04

Model	Power	Dimmability	LEDS	CCT	Opticals	Driver	Input Voltage	Power Cable	Sensor	Emergency Power Backup	Mounting	IP Rating	Fixture Color

STPT - Phantom LED Street Light

Model
01 - 30
02 - 60
03 - 90
04 - 120
05 - 150
06 - 200

Power
01 - 10W
02 - 15W
03 - 20W
04 - 25W
05 - 30W
06 - 35W
07 - 40W
08 - 45W
09 - 50W
10 - 60W
11 - 65W
12 - 70W
13 - 75W
14 - 80W
15 - 90W
16 - 95W
17 - 100W
18 - 110W
19 - 120W
20 - 125W
21 - 150W
22 - 175W
23 - 200W
24 - 220W
25 - 240W

Dimmability
01 - Non Dimmable
02 - Dimmable
03 - Field Adjustable Output Module

LEDS
01 - Cree
04 - Philips Lumileds

CCT
02 - 2500-3500K
04 - 3500-4500K
06 - 4500-5500K
09 - 6000-7000K

Opticals
42 - 70 x 140° (TYPE Ⅱ - S)
43 - 70 x 150° (TYPE Ⅱ -M)
44 - 95 x 150° (TYPE Ⅲ - S)

Driver
03 - Sosen

Input Voltage
02 - AC 100-277 V
03 - AC 200-480 V

Power Cable
01-0.5m Australian Standard Power Cord
02-0.5m European Standard Power Cord
03-0.5m American Standard Power Cord

Sensor
01 - No

Emergency Power Backup
01 - None

Mounting
07 - Slip Fitter

IP Rating
04 - IP66

Fixture Color
04-RAL7045 Gray