NEW EDGE™

SERIES

Modular
LED Street Light

E-LiTE semicon

STATE OF THE ART

Featuring 160LPW and up to 64,000 lm light output, New Edge could be one of the most powerful street light in the industry. The versatile and sober street lamp employs a state-of-the-art LED engine for performance and efficiency, ensuring maximum energy savings and exceptionally long LED lifespan of more than 150,000 hours.

Engineered to direct light precisely where it's needed most, New Edge streetlight creates a dramatic difference in visibility, safety and operational efficiency, perfect for new construction and renovation projects. Its robust design and manufacturing process also ensure ironclad reliability for years.

FEATURES

System Light Efficacy 160~165 LPW
Ultra-Bright, Up to 49,500 Lm
Flexible, Modular Design
Multiple Choices of Optical Lenses
Easy Installation & Maintenance
Five Years Warranty
IP66 & IK10 rated

APPLICATIONS

Roads & Motorways

Urban & Residential Streets

Bike & Pedestrian Paths

Squares & Pedestrian Areas

Bridges

Large Areas

Railway Station & Metros

Car Parks

PERFORMANCE

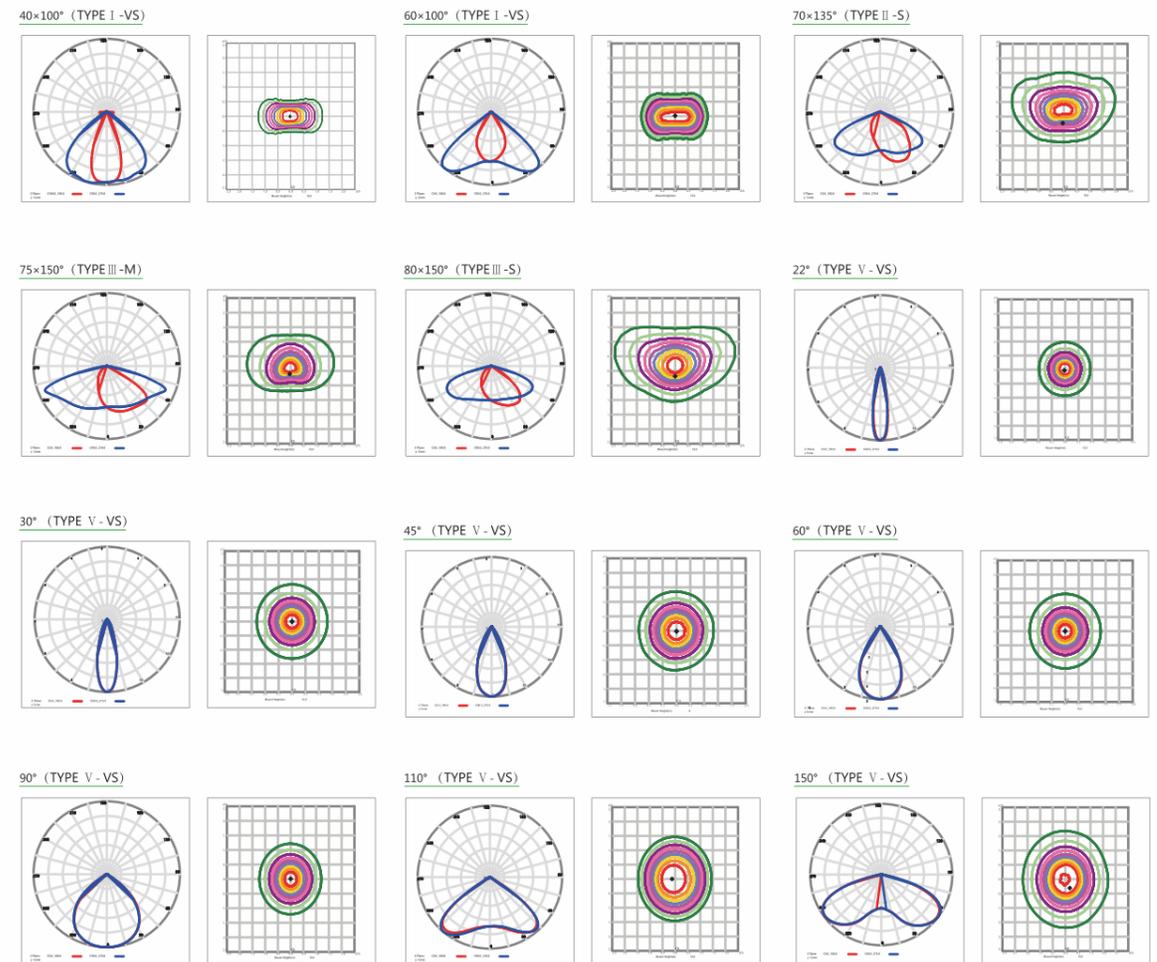|	
	120W~400W
	160lm/W~165lm/W
LEDS	Philips Lumileds
	100-277 VAC (347/480 VAC Optional) Dimming Optional
PF	0.95 min
CRI	≥70
CCT	4500~5500K (2500~6500K Optional)
100K	L70>150,000hours
IES	40×100° / 60×100° / 70×135° / 75×150° / 80×150° 22° / 30° / 45° / 60° / 90° / 110° / 150°
	IP66
IK	IK10
	3G/5G Rated
	Operating Temperature:-40°C to +60°C (-40°F to 140°F) Storing Temperature:-40°C to +80°C (-40°F to 176°F)

ETL Intertek   DLC Premium   CE   RoHS

SPECIFICATIONS

Part#	Power	NO.of Modules	Efficacy(IES)	Total Lumen	N.W	Product Dimensions
EL-NED-120(ST)	120w	1	160LPW	19,200lm	5.4.kg/11.9lbs	503×362×84.5mm 19.8×14.3×3.3in
EL-NED-200(ST)	200w	2	165LPW	33,000lm	6.5kg/14.3lbs	597×362×84.5mm 23.5×14.3×3.3in
EL-NED-300(ST)	300w	3	165LPW	49,500lm	7.5kg/16.5lbs	691×362×84.5mm 27.2×14.3×3.3in
EL-NED-400(ST)	400w	4	165LPW	66,000lm	8.6kg/19lbs	785×362×84.5mm 30.9×14.3×3.3in

PHOTOMETRICS

40×100° (TYPE Ⅰ-VS)

60×100° (TYPE Ⅰ-VS)

70×135° (TYPE Ⅱ-S)

75×150° (TYPE Ⅲ-M)

80×150° (TYPE Ⅲ-S)

22° (TYPE Ⅴ-VS)

30° (TYPE Ⅴ-VS)

45° (TYPE Ⅴ-VS)

60° (TYPE Ⅴ-VS)

90° (TYPE Ⅴ-VS)
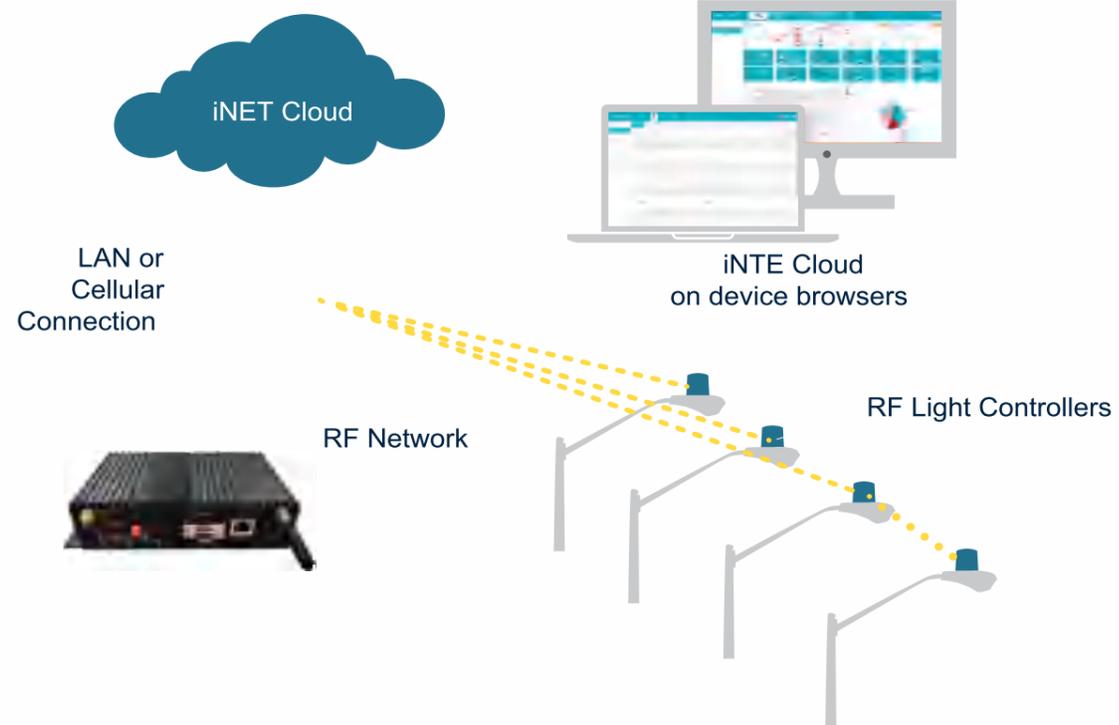
110° (TYPE Ⅴ-VS)

150° (TYPE Ⅴ-VS)

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
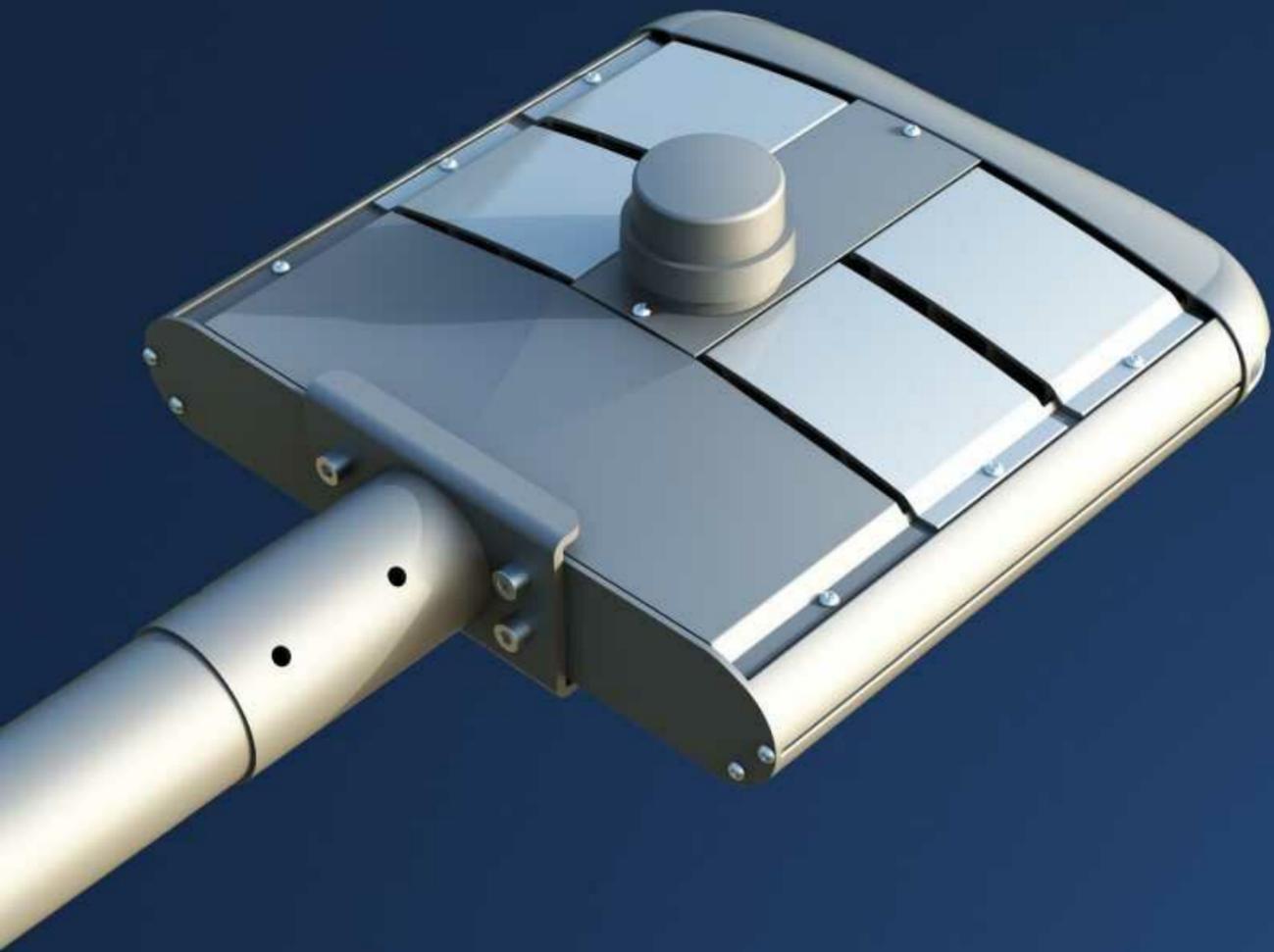
ELECTRICS

Future Ready NEMA/Zhaga Connection

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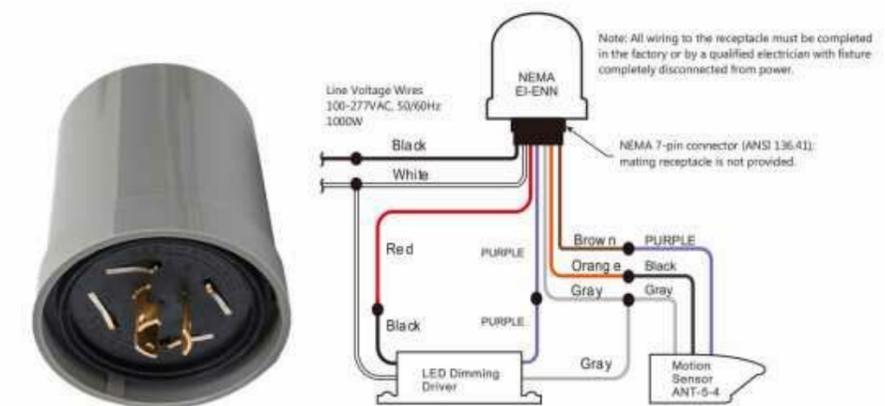
INSTALLATION

For high performance and long term reliability, the light should be installed in free air.

Slip Fitter Mount

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

Slip Fitter (a)

Slip Fitter (b)

Horizontal Arm (a)

Horizontal Arm (b)

ORDERING INFORMATION

E-LITE semicon

EL — NED — XX — ST — _ — _ — _ — _ — _ — _ — _ — _ — _ — _ — _ — _

NED - New Edge Series

Power
01 - 120W
02 - 200W
03 - 300W
04 - 400W

Luminaire
ST - LED Street Light

Dimmability
01 - Non Dimmable
02 - Dimmable

LEDS
04 - Philips Lumileds

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

Opticals
08 - 60×100°（TYPE Ⅰ-VS）
10 - 70×135°（TYPE Ⅱ-S）
11 - 90°（TYPE Ⅴ-VS）
12 - 110°（TYPE Ⅴ-VS）
13 - 150°（TYPE Ⅴ-VS）
38 - 75×150°（TYPEⅢ-M）
44 - 40×100°（TYPE Ⅰ-VS）
46 - 80×150°（TYPEⅢ-S）
48 - 22°（TYPE Ⅴ-VS）
49 - 30°（TYPE Ⅴ-VS）
50 - 45°（TYPE Ⅴ-VS）
51 - 60°（TYPE Ⅴ-VS）

Driver
01 - Inventronics
03 - Sosen

Input Voltage
02 - AC 100-277 V (Inventronics)
03 - AC 200-480 V (Sosen)

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
02 - Microwave
03 - Photocell
04 - Remote Control
05 - IoT Smart Control

Emergency Power Backup
01 - None

Mounting
07- Slip Fitter
09- Horizontal Arm

IP Rating
04 - IP66

Fixture Color
01 - RAL9010 White
04 - RAL7045 Gray
05 - RAL8019 Bronze
07 - RAL9017 Black