ARIA
SERIES
LED
Street
## Light

E-LiTE semicon

BUILT TO LAST

A top-quality streetlight fixture built to withstand all conditions,
and to cope with physical impact and vibration.

One-piece die-cast aluminum housing with integral mounting for strength and durability.

Truly future-proof solution brings the benefits of connected lighting systems today,
and also the city ready for the innovations to come.
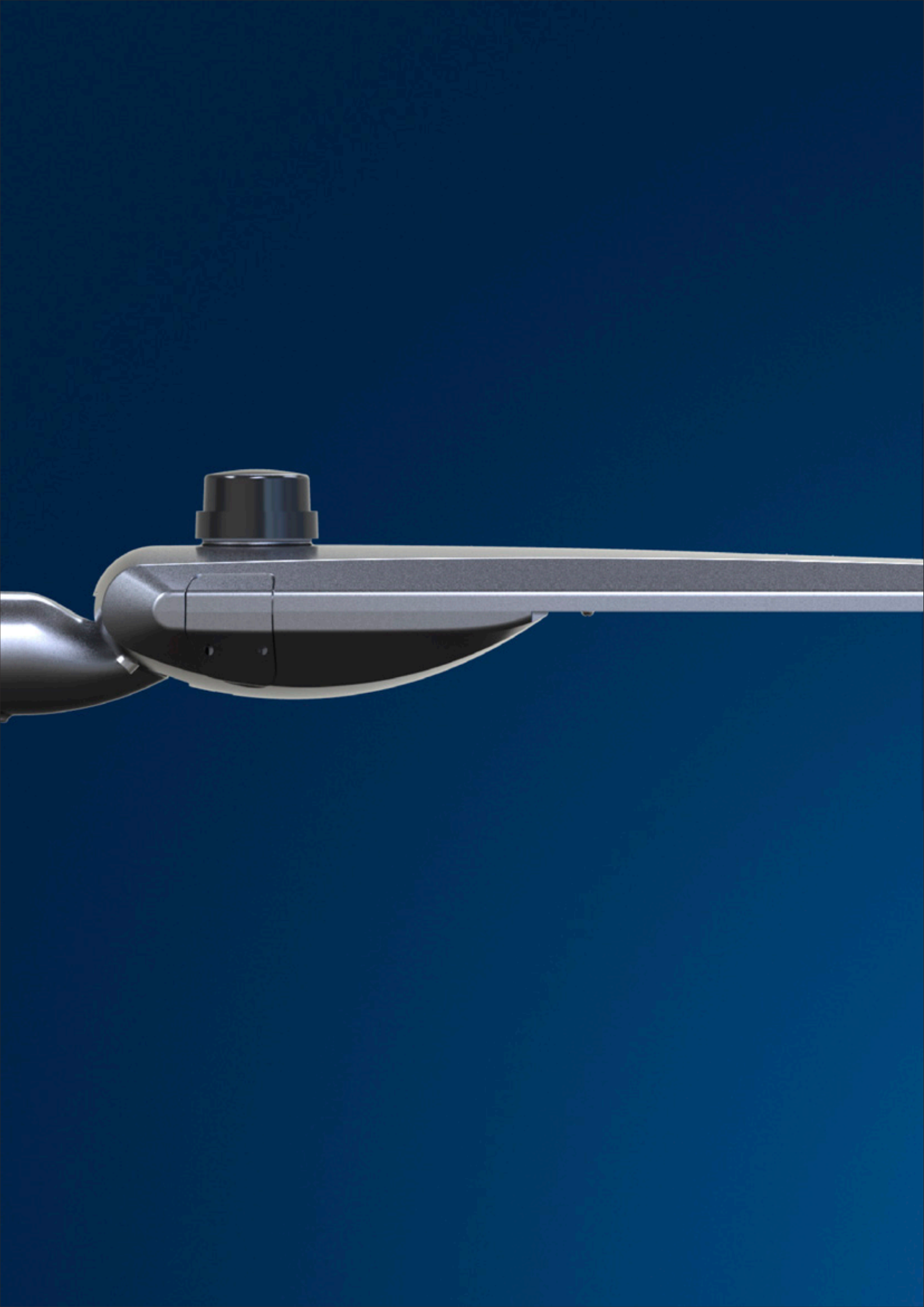
FEATURES

Modern slim and sleek looking cobra head design.
Robust and corrosion resistant one-piece die-cast aluminum housing.
Multiple choice of optical lenses.
Tool-free Access for easy installation and maintenance.
IP66/IP67 Water and Dust Proof.
3G Vibration & IK09 Impact resistance.
5-10 years warranty with up to 100,000 hours long life.

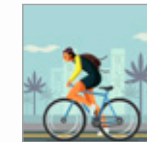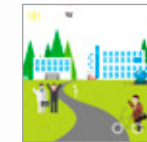# APPLICATIONS
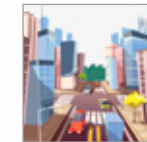
Roads & Motorways	Urban & Residential Streets	Bike & Pedestrian Paths	Squares & Pedestrian Areas

Bridges	Large Areas	Railway Station & Metros	Car Parks

PERFORMANCE

|	
〜	10W~240W
☀	125lm/W~135lm/W
LEDS	Philips Lumileds
⚡	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	70x140° / 70x150° / 95x150° / 85x155°
💧	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)

CE RoHS

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SPECIFICATIONS

Part#	Power	LEDs Qty	Lens Qty	Efficacy (IES)	Total Lumens	Product Dimension
EL-STAA-30	10W	16	2	135lm/w	1,450lm	520×200×100mm 20.4x 7.8 x3.9in
	20W	24	2	131lm/w	2,620lm	
	30W	32	4	127lm/w	3,930lm	
EL-STAA-60	40W	48	4	131lm/w	52,40lm	
	50W	64	4	132 lm/w	65,00lm	
	60W	64	4	127lm/w	78,60lm	
EL-STAA-90	70W	72	6	126lm/w	88,20lm	620×272×108mm 24.4x10.7x4.2in
	80W	96	6	130lm/w	10,400lm	
	90W	96	6	127lm/w	11,430lm	
EL-STAA-120	100W	96	12	126lm/w	12,600lm	720×271×108mm 28.3x10.6x4.2in
	110W	120	12	130lm/w	14,300lm	
	120W	144	12	135lm/w	16,200lm	
EL-STAA-150	130W	144	12	130lm/w	16,900lm	
	140W	144	12	127lm/w	17,780lm	
	150W	168	12	130lm/w	19,500lm	
EL-STAA-200	160W	168	14	130lm/w	20,800lm	750×333×115mm 29.5x13.1x4.5in
	170W	192	16	130lm/w	22,100lm	
	180W	192	16	127lm/w	22,860lm	
	190W	192	16	125lm/w	24,700lm	
	200W	240	15	130 lm/w	27,200lm	
EL-STAA-240	220W	240	20	130lm/w	28,600lm	850×333×115mm 33.4x13.1x4.5in
	240W	280	24	134lm/w	32,160lm	

PHOTOMETRICS

70x140° (TYPE II-S)
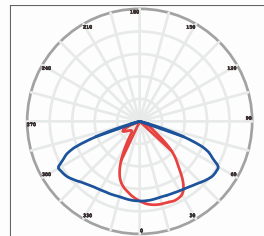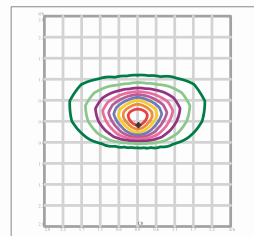
—— 0.0~180.0	
—— 90.0~270.0	Mount Height(m): 6

70x150° (TYPE II-M)
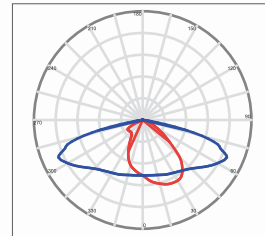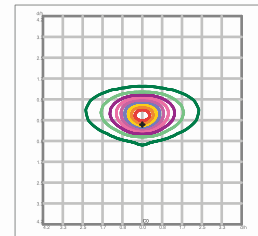
—— 0.0~180.0	
—— 90.0~270.0	Mount Height(m): 8

95x150° (TYPE II-S)
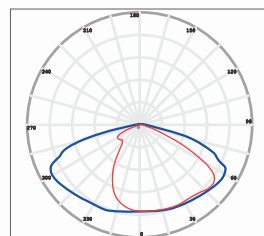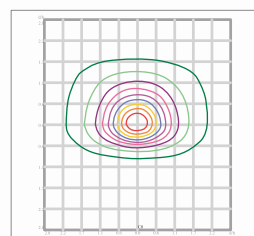
—— 0.0~180.0	
—— 90.0~270.0	Mount Height(m): 6

85x155° (TYPE II-M)
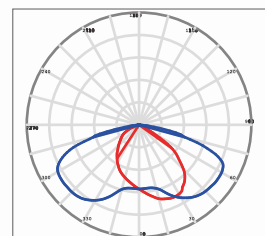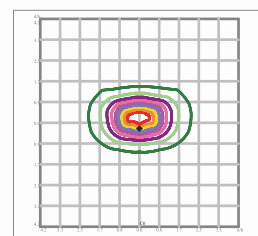
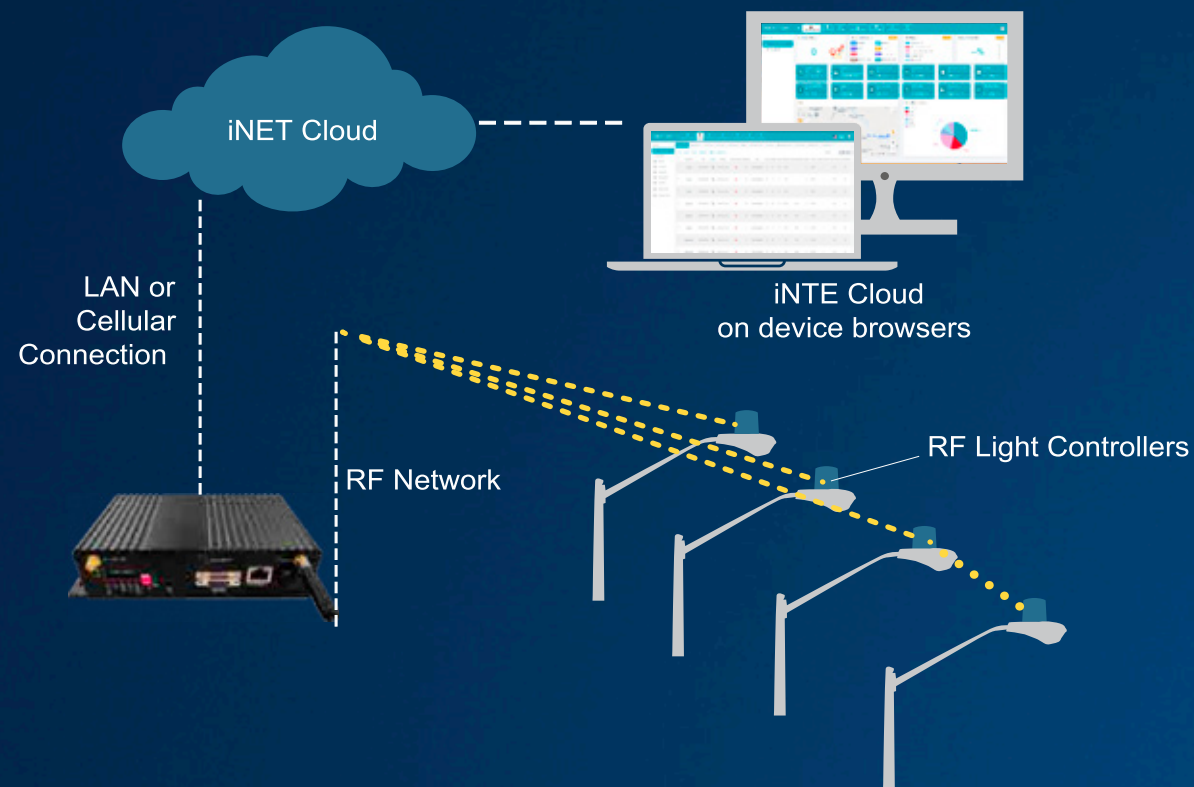|	
—— 0.0~180.0	
—— 90.0~270.0	Mount Height(m): 6

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

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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.
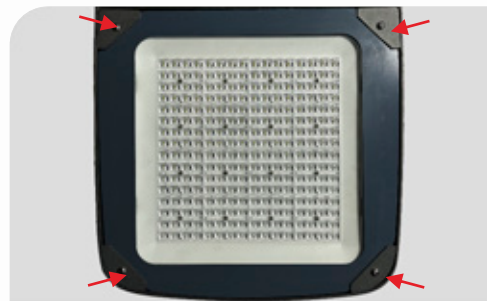
Tempered Glass Cover

Front of Clips

NEMA Sensor

Back of Clips

Driver Box

Bubble Level

Tool-free access

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

Digital Dimmer

Future Ready NEMA/Zhaga Connection

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

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

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

NEMA
EI-ENN

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

Black

White

Red

PURPLE

Brown — PURPLE
Orange — Black
Gray — Gray

Black

PURPLE

Gray

Motion
Sensor
ANT-5-4

LED Dimming
Driver

ORDERING INFORMATION

E-LiTE semicon

EL — STAA — 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 |

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

Driver
02 - Inventronics
03 - Sosen

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

Sensor
01 - No

Emergency Power Backup
01 - None

IP Rating
04 - IP66

Fixture Color
04-RAL7045 Gray

STLMX - STAA LED Street Light

Model
01 - 30
02 - 60
03 - 90
04 - 120
05 - 150
06 - 200
07 - 240

Power
01 - 10W
02 - 20W
03 - 30W
04 - 40W
05 - 50W
06 - 60W
07 - 70W
08 - 80W
09 - 90W
10 - 100W
11 - 110W
12 - 120W
13 - 130W
14 - 140W
15 - 150W
16 - 160W
17 - 170W
18 - 180W
19 - 190W
20 - 200W
21 - 220W
22 - 240W
23 - 200W
24 - 220W
25 - 240W

LEDS
04 - Philips Lumileds

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

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

Mounting
07 - Slip Fitter

Opticals
42 - 70 x 140°（TYPE Ⅱ-S)
43 - 70 x 150°（TYPE Ⅱ-M)
54 - 90 x 145°（TYPE Ⅱ-S)