# MERCURY I

| MODEL | LED Street Light / Area Light |

## 40W  60W

## MAXIMUM ENERGY SAVINGS

A minimal total cost of ownership was the driving force behind the development of the Mercury range. It is equipped with LEDs and various dimming and remote management options for a dramatic reduction in energy consumption. It offers a very competitive alternative to luminaires equipped with traditional light sources such as high-pressure sodium lamps.

# Mercury Model  40W  60W

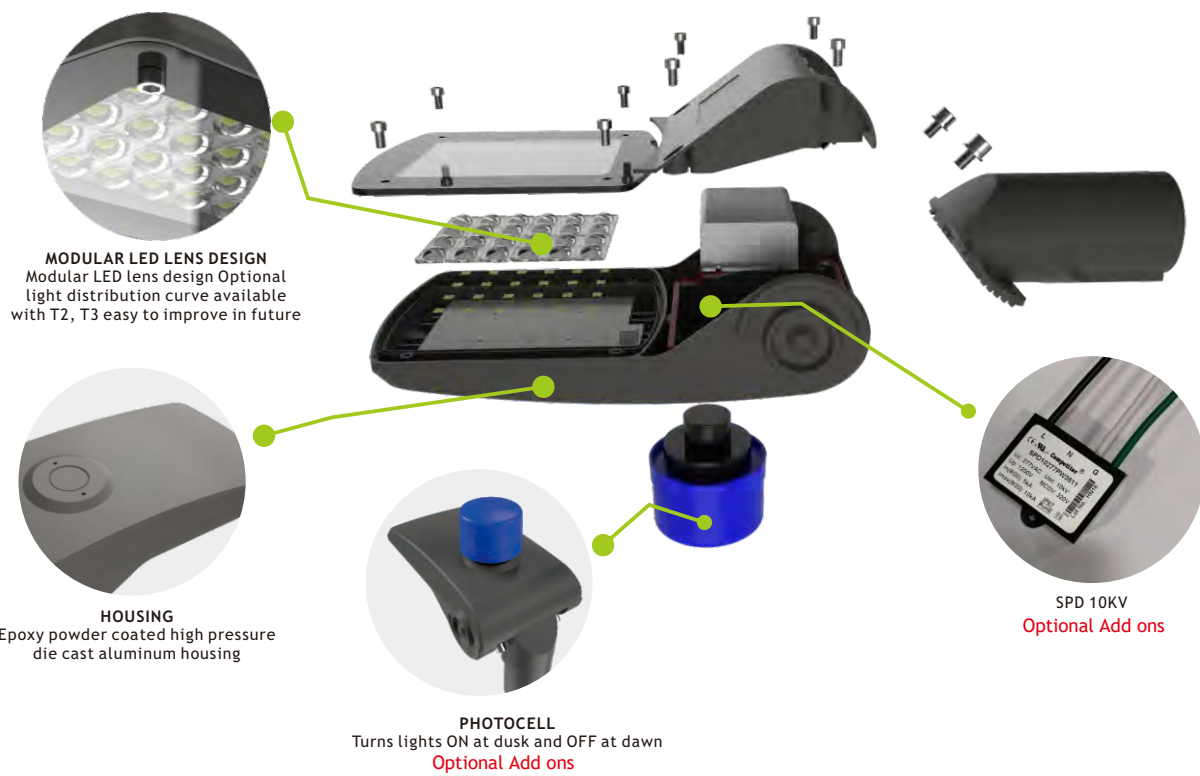## STREET LIGHT  SPECIFICATION SHEET

The Mercury range street light is a perfect solution for secondary roads, parks gardens and pathways. It is aesthetically appealing due to its compact design and has a wide range of outdoor solutions with reduced cost of ownership. It can very well replace most of the fluorescent based luminaires (CFL/FTL) and also ensures uniform lighting distribution.

### ▶ SLEEK DESIGN

INUI Continues to raise the bar on performance and lower the total cost of ownership by delivering higher value to municipalities and facility managers. The new **Mercury Model** street light with its unrivaled lumen output for roadway lighting and economic performance expands the application range replacing
up to 125W HPSV/MH street lights.

**Mercury Model** series the perfect fit for a wide array of roadway applications helping to improve the economic value for development authorities, municipalities or owned utilities.

- Residential Complex
- Small trac round - about
- Lighting of secondary roads / side roads
- Parks & gardens
- Security lighting



**MODULAR LED LENS DESIGN**
Modular LED lens design Optional light distribution curve available with T2, T3 easy to improve in future

**HOUSING**
Epoxy powder coated high pressure die cast aluminum housing

**PHOTOCELL**
Turns lights ON at dusk and OFF at dawn
Optional Add ons

**SPD 10KV**
Optional Add ons

# MERCURY MODEL 40W 60W

## STREET LIGHT SPECIFICATION SHEET

### Product *Mercury Model*

| Model | INUIMESL-T40W-LV(XXK) | INUIMESL-T60W-LV(XXK) |
|---|---|---|
| System Efficacy | 160LM/W±3% | 160LM/W±3% |
| Luminous Flux (Photometered) | 6400 lm | 9600 lm |
| Driver | XLG-50-H-A | XLG-75-H-A |
| Distribution Type | Type II / Type III / Type V | |
| CCT | 30K - 3000K   50K - 5000K<br>40K - 4000K   57K - 5700K | |
| CRI | >70 | |
| Surge protection device | 10KV | |

### Product *Mercury Model*

| Model | INUIMESL-T40W-LV(XXK) | INUIMESL-T60W-LV(XXK) |
|---|---|---|
| Weight/Packaging | | |
| Luminaire Weight | | |
| Packaging Dimensions | | |
| Packaged Weight | | |

### Electrical Characteristics (Luminaire)

| Power Consumption | 40W Typical | 60W Typical |
|---|---|---|
| Input Volt | 100-277VAC | 100-277VAC |
| Frequency Range | 47-63Hz | 47-63Hz |
| Power Factor | >0.95 / 230VAC | >0.95 / 230VAC |
| Total Harmonic Distortion | < 20% | < 20% |
| Dimming Function | 1 - 10V Continuous / PWM<br>DALI Optional | |

### Certficates (Safety Standards)

| | | |
|---|---|---|
| ETL | | √ |
| DLC(Standard) | | √ |
| ENEC | IEC/EN60598-2-3 | √ |
| CB | IEC/EN60598-1 | √ |
| TUV CE-LVD | IEC/EN62778 | √ |
| Australian deviation | | √ |
| TUV CE-EMC | EN55014<br>EN61547<br>EN61000-3-2<br>EN61000-3-3 | √ |
| SAA | | √ |
| TUV IK08 | | √ |
| Salt Spray Test | 24H | √ |
| IP66 | By ENEC | √ |
| Flammability test | By ENEC | √ |

### Environmental

| IP Rating | IP66 |
|---|---|
| Impact Rating | Ik08 |
| Salt Spray Tested | Yes |
| Operating Temp. Range | -30° ~ 122°F (-30° ~ 45°C) |
| Operating Humidity | 15 - 90% |
| Thermal Management Type | Natural air cooling |
| Expected Lifespan | 60,000 Hours to 70% Brightness |
| Material Composition (Body) | ADC-12 Aluminium Alloy (<0.1% copper content) |
| Material Composition (Optics) | PMMA (UV Resistance) |
| Material Composition (Cover) | Extra clear tempered glass protect |
| Mounting/Bracket Type | Post-top position, Side-entry position |
| Cable Gland | Pg11 |
| Cable Ø Entry Range | 10 –14mm |

### Warranty

| Warranty | 5 years extended warranty optional |
|---|---|

## ▼ DIMENSIONS

| Length: | 17.28 in (439 mm) | Height: | 3.74 in (95 mm) |
|---|---|---|---|
| Width: | 7.20 in (183 mm) | Height (w/photocell): | 5.27 in (134 mm) Horizontal |
| | | Height (w/photocell): | 11.06 in (281 mm) Vertical |
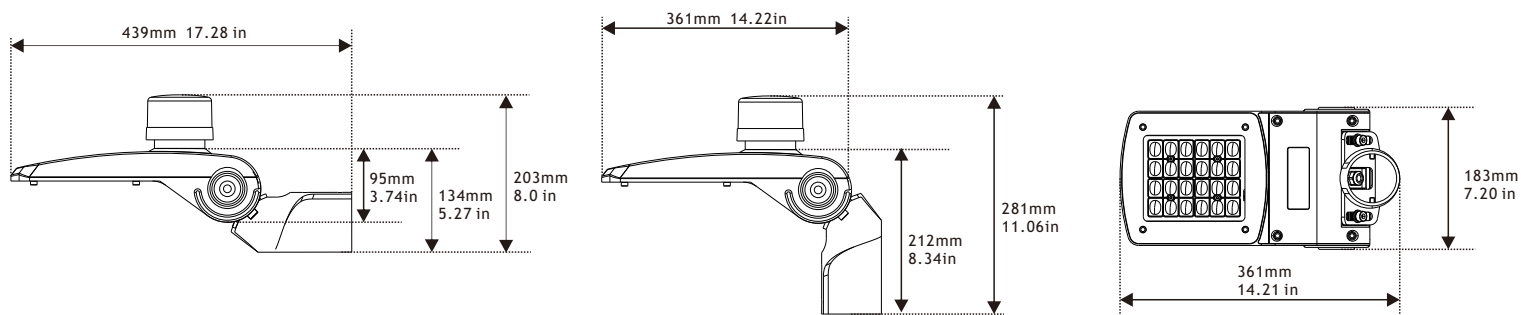


## ▼ MOUNTING  OPTIONS

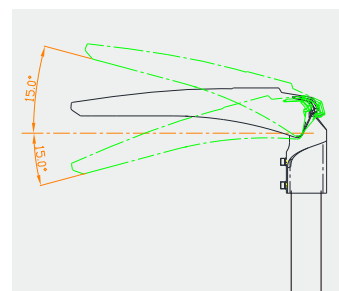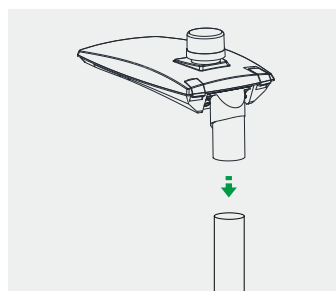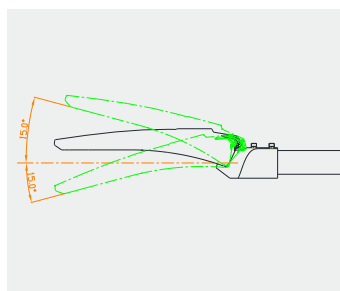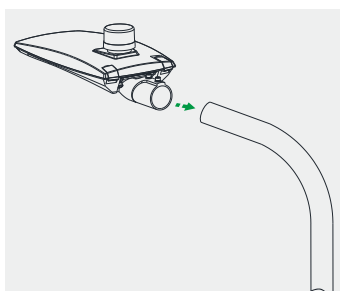The Mercury fixture includes simple installation with convenient adjust-ability.

The Mercury fixture can be mounted horizontally or vertically with our universal slip fit system. Simply detach and rotate the slip fitter 180˚ to achieve the vertical orientation. Both orientation options include the ability to rotate 15˚ or more.



**Horizontal MOUNTING**
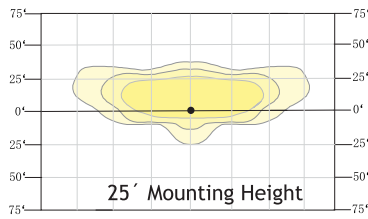Post-top position
(rotates ±15º)
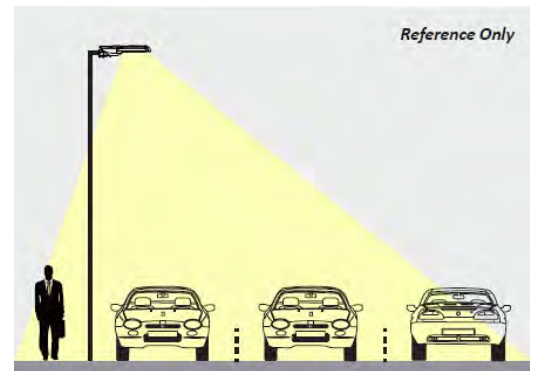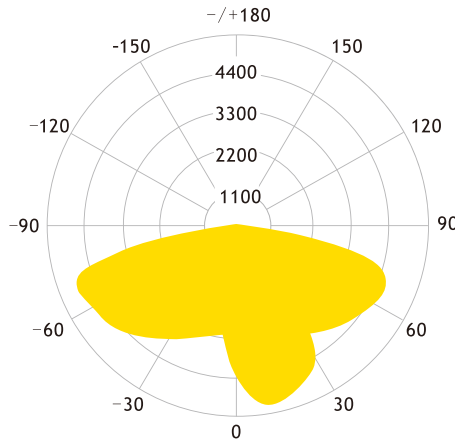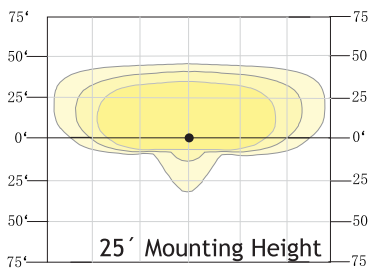
**Vertical MOUNTING**
Side-entry position
(rotates ±15º)

## Type II (T2)
### Distribution Type



25´ Mounting Height



Reference Only
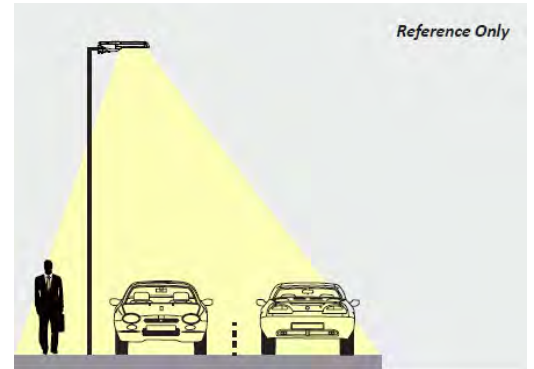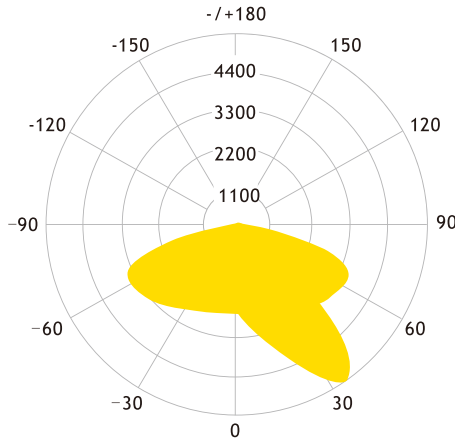
## Type III (T3)
### Distribution Type



25´ Mounting Height



Reference Only

## Type V (T5)
### Distribution Type



25´ Mounting Height



Reference Only

Square          Parking Lot
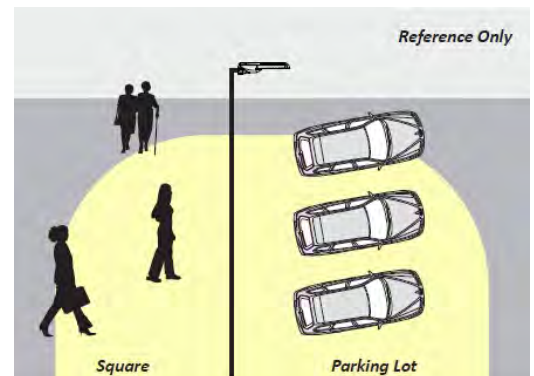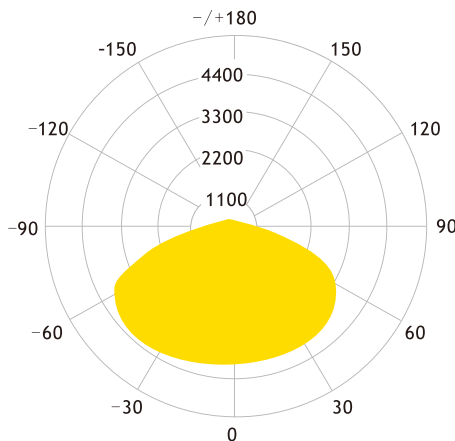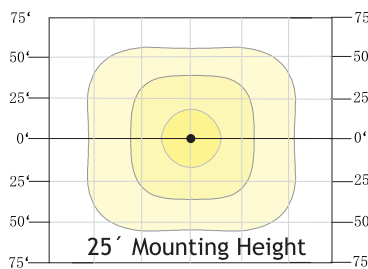
# ▼ ORDERING EXAMPLE

## MERCURY STREET LIGHT

Type I Model

### INUIMESL-* XXW- LV (XXK)

3000K
4000K
5000K
5700K

I - Type 1 Small
II - Type 2 Medium
III - Type 3 Large
IV - Type 4 X-Large

**HV** – 347-480VAC      **LV** – 100-277VAC

Wattage
40W 60W  80W  100W 120W 150W  180W 200W

Product Family
INUI- INUI
MESL- Mercury Street Light

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## ▶ ACCESSORY: **PHOTOCELL**

The Mercury Street Light Photocell integration controls the illumination of the fixture by detecting surrounding ambient light.

Photocell base comes pre-installed, twist lock cap included in package when shipped and ready to apply during assembly. Twist-Lock Photocell automatically turns lights On at Dusk and O ffat Dawn.
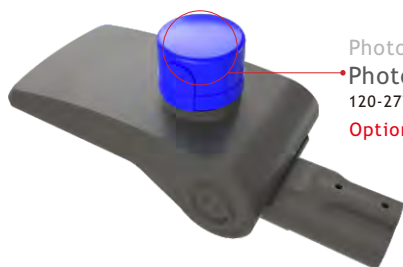
Photocell integration controls
Photo-cell:    TL1277
120-277Volt    Twist / Lock photocell
Optional

## ▶ ACCESSORY: SURGE PROTECTION DEVICE

The standard 100-277v fixture comes equipped with 10kA surge protection already integrated.

SPD surge protection devices is perfectly adapted for outdoor lighting to provide single phase protection for line/neutral, line/ground and neutral/ground in accordance with IEEEE C62.41 2002 C High,UL1449 and IEC61643-11

Optional

## ▶ ACCESSORY: **MOUNTING**

The Mercury Street Light comes standard with a 76mm slip fitter.

Optional slip fitter mounts are available at 60mm, and 76mm diameters.

| | MOUNTING | SIZE |
|---|---|---|
| | Mercury Slip Fitter 60mm | 60mm |
| | | |
| | Mercury Slip Fitter 76mm | 76mm |