



## CANOPY™ Series

### Hazardous Location Canopy Lighting

Canopy series canopy lights feature a square design, specifically crafted for petrol pumps and gas stations. They are certified for hazardous locations, meeting Class I, Division 2, Groups A, B, C, and D standards.

### Compliance

#### NEC/CEC Standard

UL 844 Hazardous Locations  
Class I Division 2, Groups A, B, C, D  
CSA C22.2 No.137-18  
UL 1598 Wet Locations  
UL 8750 LED Safety  
IP66  
IK07

### Warranty

10-year limited system warranty  
Lumen Maintenance: L70 > 150,000hours @ 25°C

### Modular Design

2 models with light output ranging from 9,000 lumens up to 22,500 lumens.



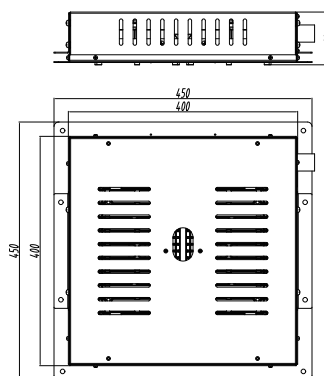
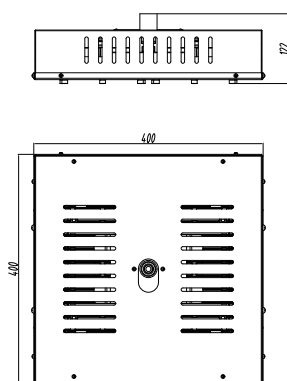
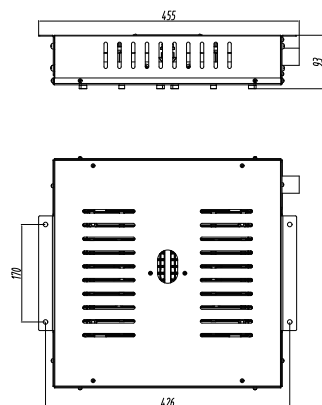
60W / 75W



120W / 150W

### Dimensions

unit: mm(in)



### Technical Data

#### Electrical

|                          |                         |
|--------------------------|-------------------------|
| Rated Power              | 60W / 75W / 120W / 150W |
| Input Voltage            | 100-277, 347-480V/AC    |
| Input Frequency          | 50/60Hz                 |
| Power Factor             | > 0.9                   |
| Driver Efficiency        | ≥ 90%                   |
| DC output Ripple & Noise | < 200mVP-P              |

#### Optical

|                                     |                    |
|-------------------------------------|--------------------|
| Lumen Output                        | 9,000lm ~ 22,500lm |
| Luminous Efficacy (Lumens per Watt) | 150 lm/W           |
| Beam Angle                          | 60° / 90° / 110°   |
| Correlated Color Temperature (CCT)  | 3000K 4000K 5000K  |
| CRI                                 | Ra>70              |

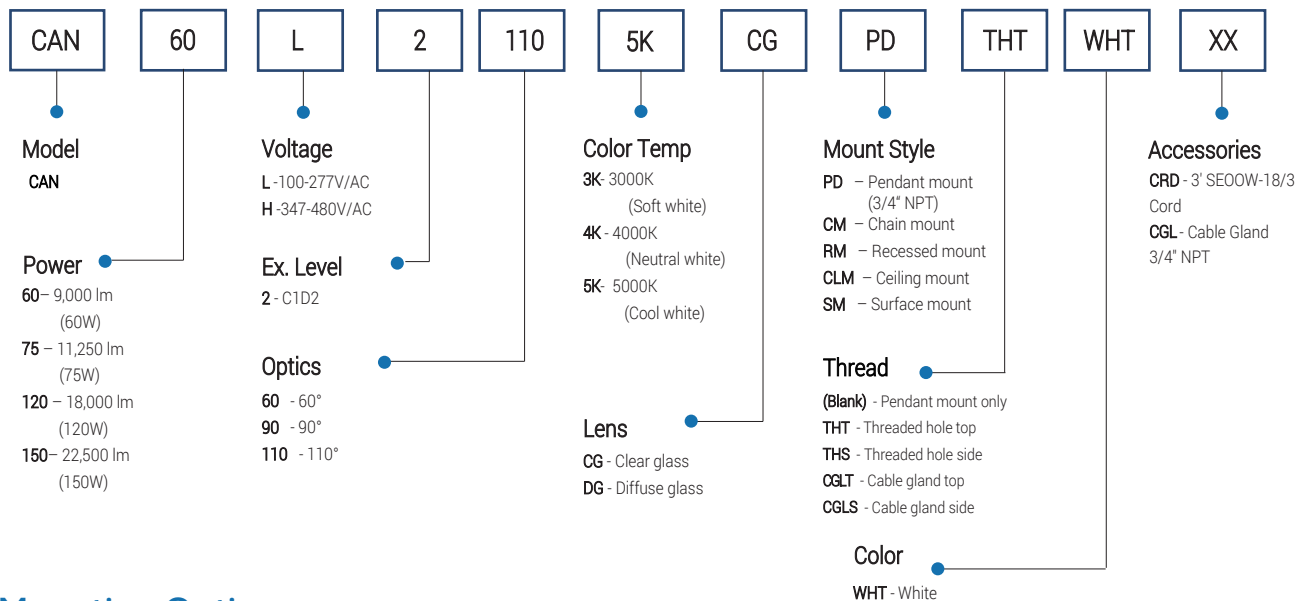
#### Environmental

|                               |             |
|-------------------------------|-------------|
| Ambient Operating Temperature | -40°C~+50°C |
| Ambient Operating Humidity    | 10%~90% RH  |

#### Technical

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Lens Material    | Clear glass                                              |
| Mounting Options | Pendant / Recessed / Hanging Ceiling / Surface           |
| Net Weight       | 6kg (13.2 lbs) - 60W/75W<br>8.5kg (18.7 lbs) - 120W/150W |

## Ordering Information and Mounting Accessories



## Mounting Options



**PD**  
Pendant mount  
(3/4" NPT)



**RM**  
Recessed mount



**CM**  
Chain mount

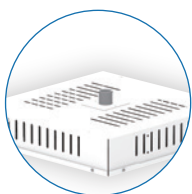


**CLM**  
Ceiling mount



**SM**  
Surface mount

## Thread



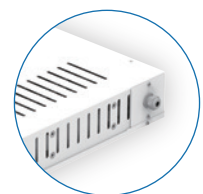
**THT**  
Threaded hole top



**THS**  
Threaded hole side



**CGLT**  
Cable gland top

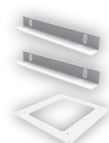


**CGLS**  
Cable gland side

## Accessories



**CM**  
Chain mount kit 4  
pcs



**RM**  
Recessed mount



**CGL**  
Cable gland  
3/4" NPT



**CRD**  
3' SE00W-18/3 Cord  
(Factory installed)

## Classification of Divisions and Zones

| Hazard Level                     | Division Scheme | Zone Scheme      | Definitions                                                                                                          |
|----------------------------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------|
| Continuous Hazard                | Division 1      | Zone 0 / Zone 20 | A place in which an explosive atmosphere is continually present                                                      |
| Intermittent Hazard              |                 | Zone1 / Zone 21  | A place in which an explosive atmosphere is likely to occur in normal operation                                      |
| Hazard Under Abnormal Conditions | Division 2      | Zone2 / Zone 22  | A place in which an explosive atmosphere is not likely to occur in normal operation, but may occur for short periods |

## Hazardous Atmosphere Category

| Explosive atmosphere       | Typical Hazard Material                                                                                                                                                                | Hazard Class | Division Group                           | NEC 505 / CEC 18                   |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------|------------------------------------|
| Gases, vapors, and liquids | A: Acetylene<br>B: Hydrogen, etc.<br>C: Ether, etc.<br>D: Hydrocarbons, fuels, solvents, etc.                                                                                          | Class I      | Group A<br>Group B<br>Group C<br>Group D | IIC<br>IIC or IIB+H2<br>IIB<br>IIA |
| Dusts                      | E: Metal dusts (conductive and explosive)<br>F: Carbon dusts (some are conductive, and all are explosive)<br>G: Flour, starch, grain, combustible plastic or chemical dust (explosive) | Class II     | Group E<br>Group F<br>Group G            | IIIC<br>IIIC<br>IIIB               |
| Fibers and flyings         | Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)                                                                                                        | Class III    | Not Applicable                           | IIIA                               |

## IP Codes

| Solid Objects                 | Liquids                                                    |
|-------------------------------|------------------------------------------------------------|
| 0 - No protection             | 0 - No special protection                                  |
| 1 - Objects > 50mm diameter   | 1 - Vertically dripping water                              |
| 2 - Objects > 12.5mm diameter | 2 - Vertically dripping water when enclosure tilted by 15° |
| 3 - Objects > 2.5mm diameter  | 3 - Sprayed water up to 60°                                |
| 4 - Objects > 1.0mm diameter  | 4 - Sprayed water from all directions                      |
| 5 - Dust protected            | 5 - Water jets                                             |
| 6 - Dust tight                | 6 - Powerful water jets                                    |
|                               | 7 - Temporary submersion to a depth of 1m                  |
|                               | 8 - Extended submersion to a depth of >1m                  |

## IK Codes

| IK Code | Impact energy, J |
|---------|------------------|
| IK01    | 0.14             |
| IK02    | 0.2              |
| IK03    | 0.35             |
| IK04    | 0.5              |
| IK05    | 0.7              |
| IK06    | 1                |
| IK07    | 2                |
| IK08    | 5                |
| IK09    | 10               |
| IK10    | 20               |
| IK11    | 50               |

## Temperature Classification

| Marking | NEC500 CEC | NEC 505 IEC-GROUP II |
|---------|------------|----------------------|
| 450°C   | T1         | T1                   |
| 300°C   | T2         |                      |
| 280°C   | T2A        |                      |
| 260°C   | T2B        | T2                   |
| 230°C   | T2C        |                      |
| 215°C   | T2D        |                      |
| 200°C   | T3         |                      |
| 180°C   | T3A        |                      |
| 165°C   | T3B        | T3                   |
| 160°C   | T3C        |                      |
| 135°C   | T4         |                      |
| 120°C   | T4A        | T4                   |
| 100°C   | T5         | T5                   |
| 85°C    | T6         | T6                   |

## Zone classification and Equipment protection level (EPL)

| Gas Zones  | Definition                                                                       | ATEX Category | EPL | Required Protection     |
|------------|----------------------------------------------------------------------------------|---------------|-----|-------------------------|
| Methane    | Mines with methane and dust. Equipment remains energised in explosive atmosphere | M1            | Ma  | Two Faults              |
| Methane    | Mines with methane and dust. Equipment is de-energised in explosive atmosphere   | M2            | Mb  | Severe Normal Operation |
| Zone 0     | Explosive atmosphere present continuously or for long periods, frequently        | 1G            | Ga  | Two Faults              |
| Zone 1     | Explosive atmosphere is likely to occur under normal conditions, occasionally    | 2G            | Gb  | One Fault               |
| Zone 2     | Explosive atmosphere is unlikely to occur under normal conditions, short periods | 3G            | Gc  | Normal Operation        |
| Dust Zones | Definition                                                                       | ATEX Category | EPL | Required Protection     |
| Zone 20    | Explosive atmosphere present continuously or for long periods, frequently        | 1D            | Da  | Two Faults              |
| Zone 21    | Explosive atmosphere is likely to occur under normal conditions, occasionally    | 2D            | Db  | One Fault               |
| Zone 22    | Explosive atmosphere is unlikely to occur under normal conditions, short periods | 3D            | Dc  | Normal Operation        |