

# DW-2G LED



SNGPG50 parking garage lens, DCA die cast end plug & SSL stainless steel latches shown.



## CASAMBI

### APPLICATION

LED premium grade enclosed and gasket fixture. For use in indoor application where dust and moisture resistance and other non-hazardous contaminants. Also in dirty or wet environments including food processing, cold storage, kitchens, parking garages, car washes, covered canopies, pedestrian tunnels, concourses, and industrial.

### FEATURES:

- Compression molded self-extinguishing fiberglass reinforced polyester compound with UL 5V flame rating (ASTM D635-74).
- Rigid one piece housing construction.
- The housing is sealed against dust and moisture.
- EN-seal™ gasketing provides superior resistance to moisture absorption versus conventional gasketing.
- Molded latch pockets compatible with standard and tamper-proof latches in white acetal, and stainless steel.
- Standard housing available with one 7/8" conduit entry point on either or both ends.

### MOUNTING:

- Standard 316 stainless steel brackets for surface mount provided as a standard.
- Optional flush mount brackets, serves as a mounting point for either a snap-in-place mount or a hook.
- Two 1/4-28 brass studs molded into back of housing for attachment of optional mounting brackets.

### LENS:

- Inline thermoformed low profile lenses available in 50% DR acrylic in clear, crepe and Lumieo.
- Lenses for parking garage applications available in 50% DR clear acrylic, polycarbonate and Lumieo.
- Lens retained by 6 for 2ft and 8 for 4ft captive flush mounted latches.

### LED:

- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 162 LPW.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours
- Poke in wire connectors.
- Color Rendering Index: 80+

### ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Universal Lighting Everline : 0-10V Dim to 1%(ULT)
- Generic: 0-10V Dim to 10%(GR).
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature:  
-22°F (-30°C) ~ 122°F (50°C) (Std.)  
-40°F (-40°C) ~ 122°F (50°C) (with LT option)  
-31°F (-35°C) ~ 140°F (60°C) (with HT option)
- Constant Current, Class 2
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

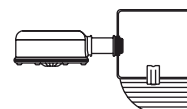
### LISTING:

- F1 weatherability rating.
- UL 5V flame rating (ASTM D635-74).
- UL/cUL listed for damp and wet location.
- IP65, IP66 and IP67.
- IP69K Rated using polycarbonate and acrylic parking garage lenses (#SNGP50, SNGPGPC, SNGPGPC-F/S).
- NSF International certified for NSF/ANSI Standard 2 - Food Equipment.
- Bluetooth Mesh System available, please contact factory for more information.
- ARRA and BAA compliant.

### CONFIGURATIONS

|     | Model # | AC Input | Lumen Output | Lumen Efficiency |
|-----|---------|----------|--------------|------------------|
| 2FT | 18LED   | 18W      | 2548 lm      | 141.5 lm/W       |
|     | 20LED   | 20W      | 2831 lm      |                  |
|     | 27LED   | 27W      | 3823 lm      |                  |
|     | 36LED   | 36W      | 5097 lm      |                  |
| 4FT | 36LED   | 36W      | 5097 lm      |                  |
|     | 45LED   | 45W      | 6372 lm      |                  |
|     | 56LED   | 56W      | 7930 lm      |                  |
|     | 72LED   | 72W      | 10196 lm     |                  |

: Based on 5000K.



WMS, WDMS, LOD-500S-x

### HC403 FACTORY SETTING (TABLE 2)

|                                     |         |
|-------------------------------------|---------|
| Detection Area                      | 100%    |
| Hold-time                           | 5 sec   |
| Daylight sensor                     | Disable |
| Stand-by period (tri-level control) | 10 sec  |
| Stand-by dimming level              | 10%     |

\* See a separate attachment to find more setting options.

## ORDERING INFORMATION

EXAMPLE: DW-2G-4-45LED-50K-HE-UNV-SNGPG50

| MODEL | LENGTH |           | LED                                    |                                                                                    | COLOR TEMP.                          |                                           | CRI           |                    | EFFICACY |                                                                                                          | VOLTAGE                         |                                                        |
|-------|--------|-----------|----------------------------------------|------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|---------------|--------------------|----------|----------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------|
| DW-2G | 2      | 2' Length | 18LED<br>20LED<br>27LED<br>36LED<br>xx | 18W LED<br>20W LED<br>27W LED<br>36W LED<br>Custom lumen or watt:<br>___LM or ___W | -27K<br>-30K<br>-35K<br>-40K<br>-50K | 2700K<br>3000K<br>3500K<br>4000K<br>5000K | (Blank)<br>C9 | 80+ CRI<br>90+ CRI | HE       | High Efficacy (Std.)  | UNV<br>120<br>277<br>347<br>480 | 120-277V<br>120V<br>277V<br>347V<br>480V <sup>10</sup> |
|       | 4      | 4' Length | 36LED<br>45LED<br>56LED<br>72LED<br>xx | 36W LED<br>45W LED<br>56W LED<br>72W LED<br>Custom lumen or watt:<br>___LM or ___W |                                      |                                           |               |                    |          |                                                                                                          |                                 |                                                        |

\* Max up to 5097lm or 36W per 2ft.

\* Max up to 10196lm or 72W per 4ft.

| DISTRIBUTION |                | DIFFUSER                                                 |                                                                                                                                                                                                                                     | LATCHES                                       |                                                                                                                                                                                                                                                        |
|--------------|----------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PG           | Parking Garage | SNGPG50<br>SNGPGLUM<br>SNGPGPC<br>SNGPGPC-F<br>SNGPGPC-S | Impact Modified Clear Acrylic Parking garage lens (Std.)<br>Lumieo, parking garage lens<br>Polycarbonate, clear parking garage lens<br>Polycarbonate, frosted parking garage lens<br>Polycarbonate 5VA, frosted parking garage lens | (Blank)<br>CL<br>TPWP<br>SSL<br>TRSSL<br>TRDT | White Acetal plastic latch<br>Clear polycarbonate latch<br>Tamper-proof white Acetal latch with nut and screw<br>316 Stainless Steel latch<br>Tamper-proof 316 stainless steel latch with nut and screw<br>Tamper-proof driver tool for TPWP and TRSSL |
| LP           | Low Profile    | TFLSCC5<br>TFLSL5<br>TFLSC5                              | 50% DR, Impact Modified Clear Crepe Acrylic shallow low profile lens<br>50% DR, 74% LT, shallow Lumieo low profile lens<br>Impact Modified Clear Acrylic shallow low profile lens (Std.)                                            |                                               |                                                                                                                                                                                                                                                        |

| END PLUGS                       |                                                                                                                                                                                                                                  | MOUNTING                    |                                                                         | LED DRIVER <sup>3</sup>                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (Blank)<br>RP<br>DC021<br>DC022 | White 7/8" Dry Location plug<br>White 7/8" Rubber plug<br>One end 3/4" Hub. Water Tight Die Cast Fitting (Assembly for 1/2" Rigid Conduit)<br>Both ends 3/4" Hub. Water Tight Die Cast Fitting (Assembly for 1/2" Rigid Conduit) | (Blank)<br>MSM<br>VH<br>CCP | Surface Mount<br>Modular surface mount<br>V-Hook mount<br>10' cable kit | GR<br>DM1<br>SD40<br>SDXX<br>TD30/70<br>TDXX/YY<br>ES566<br>LDE1                        | Generic, 0-10V 10% dim (Std.)<br>Generic 0-10V 1% dim<br>40% / 100% Bi-Level Step dim<br>XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)<br>30% / 70% / 100% Tri-Level Step dim<br>XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)<br>eldoLED SOLdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim<br>Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim |
|                                 |                                                                                                                                                                                                                                  |                             |                                                                         |  BLT | Bluetooth Mesh System (contact factory for more information)                                                                                                                                                                                                                                                                                                                                                                   |

| OPTIONS                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| EMG8<br>EMG15<br>EMG20<br>EMG25<br>CWEM6<br>LT<br>HT<br>ELCU-200<br>GTD<br>GTD10DIM<br>F1<br>F2<br>AMB | 1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup><br>2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup><br>3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup><br>4050 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup><br>6W EM Cold Weather -4°F (-20°C) ~ 131°F (55°C)<br>Low Temperature for freezer -40°F (-40°C) ~ 122°F (50°C)<br>High Temperature -31°F (-35°C) ~ 140°F (60°C)<br>Fail-to-on Emergency lighting, UL924 <sup>4</sup><br>Bodine Generator Transfer Device<br>Bodine Generator Transfer Device (0-10VDC Dimmer Override)<br>Single fuse, must select 120V/277V/347V<br>Double fuse, must select 208V/240V<br>Anti-Microbial Coating (Matte Skye White) | WMS<br>WDMS<br>LRD-509P-x<br><br>HC403<br>HRC-05<br><br>AUTANI<br>CASAMBI<br>AVI-ON | Wet Location Occupancy Sensor<br>Wet Location Day Light Motion Sensor, Fail on<br>IP66 Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor, Fail on (*IR remote programmable), (See note 8 to select lens for "x") <sup>6,7</sup><br>Microwave bi-level Occupancy Sensor, adjustable via DIP switch <sup>9</sup><br>Handheld Remote for HC403<br><br><Bluetooth><br>Autani / Keilton Bluetooth control ready options.<br>Casambi Bluetooth control ready options.<br>Avi-On Bluetooth control ready options.<br><br>* Please contact factory for Bluetooth control with sensor and other options |  |  |

## NOTES:

- Must specify voltage, not available with 347V.
- Contact factory for other emergency ballast options.
- To find an approved dimmer switch, please see table 1.
- Shipped separately.
- Std. temperature ranges from -22°F(-30°C) ~ 122°F(50°C).  
DW-LP4&8-72LED,88LED,100LED ranges from -40°F(-40°C) ~ 122°F(50°F).
- Its default setting can be found on the IR-TEC installation instructions.
- Order "RS-LRD" to adjust sensor setting.
- A: Standard cone shape Lens @ 15' height (up to 30' coverage)  
B: Extra wide cone shape Lens @ 10' height (up to 60' coverage)  
C: High bay cone shape Lens @ 30' height (up to 90' coverage)  
D: Standard round shape Lens @ 20' height (up to 40' coverage)  
F: Extra wide dome shape Lens @ 20' height (up to 80' coverage)  
G: Aisle way arch shape Lens @ 40' height (up to 120' coverage)
- Integrated Microwave bi-level Occupancy Sensor, adjustable via DIP switch(Mounted inside fixture).
- An additional step-down transformers is required for EM installation. Confirm pricing with the sales team.

# DW-2G LED

## END PLUG INFORMATION:



White 7/8" dry location plug

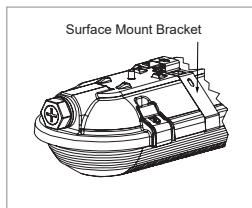


White 7/8" Rubber plug

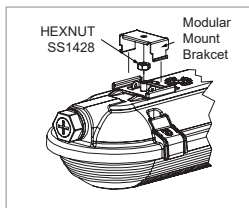


7/8" die cast aluminum fitting assembly for 1/2" rigid conduit

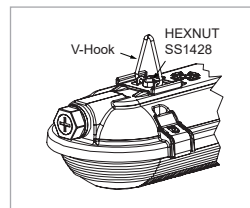
## MOUNTING INFORMATION:



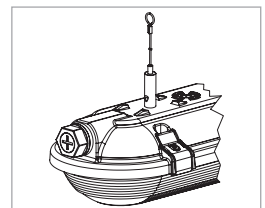
Surface Mount (Std.)



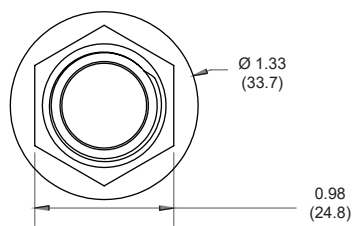
Modular Surface Mount



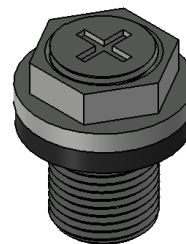
V-Hook Mount



10' Cable Suspended Mount



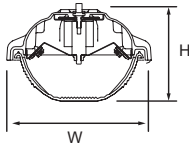
DC02



# DW-2G LED

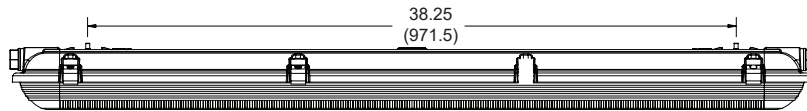
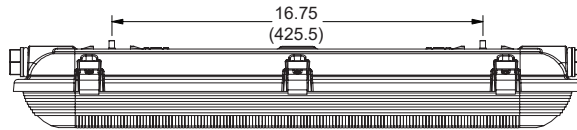
## MOUNTING INFORMATION

### [Parking Garage]

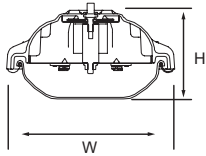


#### Specifications: *Parking Garage*

Length: 26.54 (674.1), 47.14 (1197)  
Width: 5.82 (147.8)  
Height: 3.68 (93.5)



### [Low Profile]



#### Specifications: *Low Profile*

Length: 26.54 (674.1), 47.14 (1197)  
Width: 5.82 (148.6)  
Height: 3.09 (78.5)

All dimensions are in inches (millimeters).

