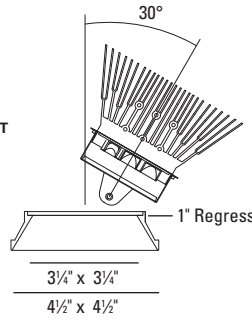


# BeveLED® LED Trimless Adjustable 30°



# 3430



Shown with optional lens

## LUMINAIRE INFORMATION

### APPLICATION:

Accent luminaire for Residential, Commercial, Retail or Hospitality environments.

### MATERIALS:

**Trim:** Die cast aluminum retained by two mounting clips.

**Trim Lens:** Standard fixture not supplied with trim lens.

Solite and clear are optionally available. Specify below.

**Housing:** All-Ways Square® powder coated black housing allows alignment of square aperture (up to 20° rotation) after housing installation and prior to finish ceiling installation.

All-Ways Square® covered by US Pat. No: US 7,832,889.

Fabricated of 16 ga. galvanized steel thru wire J-box, 4 in 4 out at min. 75°C, #12 AGW thru branch circuit wiring.

Housing and trim supplied as one complete unit.

**Optics:** Proprietary 10° or 30° high efficiency molded optic.

### LIGHT ENGINE: Field Replaceable

Available in 10W or 20W ±100K. High power white LED's tightly binned for fixture to fixture color consistency.

### CRI OPTIONS:

**Standard:** 80+ CRI.

**High:** 90+ CRI.

### RATED LIFE:

Based on IESNA LM80-2008

20W - 50,000 hours at 70% lumen maintenance (L70).

10W - 50,000 hours at 70% lumen maintenance (L70).

### HEATSINK:

Proprietary high performance extruded aluminum heatsink for maximum LED life.

### DRIVER: Field Replaceable

Solid state electronic. Constant current.

High power factor. Specify 120V or 277V.

### DIMMING: (optional)

Multiple 3 wire dimming drivers available.

See compatibility chart attached.

### ADJUSTMENT:

360° horizontal locking, 30° vertical locking.

### GLARE SHIELD:

Snap in aluminum with integral diffusing lens.

### MOUNTING:

Butterfly brackets and adjustable nailer bars with integral nails provided. Nailer bars are extendible from 14" to 24" centers.

### CEILING CUT OUT:

5 1/2" x 5 1/2"

### LISTINGS:

Dry/Damp.

IBEW union made.



### NOTES:

- Housing included with trim.
- Maximum ceiling thickness 1 inch. Consult factory for other ceiling conditions.
- Fixture should be installed in applications where ambient temperatures do not exceed 40°C during normal operation.
- For drywall installation only.
- Not for use with acoustical ceilings.
- **5 year warranty**
- IC not currently Energy Star rated.

### PHOTOMETRICS:

Consult factory or website for IES files.

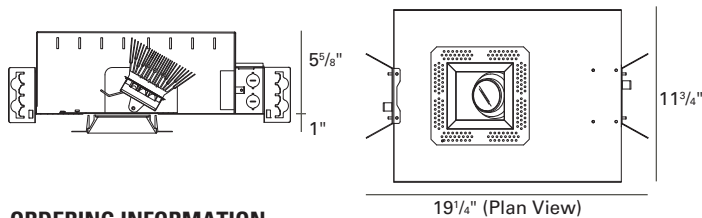
Tested in accordance with IESNA LM79-2008.

## HOUSING INFORMATION

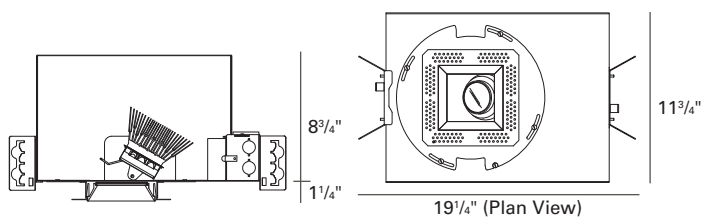
LSLA4-8310-C1 (10W)

LSLA4-8320-C1 (20W)

### New Construction - NC



### Insulated / Airtight - IC



## ORDERING INFORMATION

| Trim   | Finish   | Optional Trim Lens  | Housing                                    | Color Temperature  | Beam Angle           | Housing Type                                       | Voltage      | Accessories   |
|--|--|---|--|--|----------------------|--|--------------|---|
| 3430   |  |   |  |  |                      |  |              |   |
| 3430<br>BeveLED<br>Trimless<br>30°<br>Adjustable | 10 - White<br>21 - Black<br>28 - Metalized Grey<br>RAL - Special Color | S - Solite<br>C - Clear<br><br><b>Note:</b><br>Standard trim not supplied with trim lens. | LSLA4-8310-C1 - 10W<br>LSLA4-8320-C1 - 20W | Standard<br>CRI 80+<br>27 - 2700K<br>30 - 3000K<br>35 - 3500K<br>40 - 4000K<br><br>High CRI<br>90+<br>27H - 2700K<br>30H - 3000K | 10 - 10°<br>30 - 30° | NC - New Construction<br>IC - Insulated / Airtight | 120V<br>277V | CB27 - 27" C-Channel Bars<br>CB52 - 52" C-Channel Bars<br>DIML2 - 0-10V Low Voltage 15% Dimming Driver<br>DIML4 - Lutron Hi-Lume LED / ECO System Series A 3 Wire Control 1% Dimming Driver<br>EML - Emergency lighting battery pack w/ remote test switch. Note: Housing size may differ.<br><b>Above ceiling access required for service</b><br>MLXX - Millwork Adapter<br>XX=Specify Color (10, 21, 28, RAL) |

# BeveLED<sup>®</sup> LED Trimless Adjustable 30°

# PERFORMANCE SUMMARY

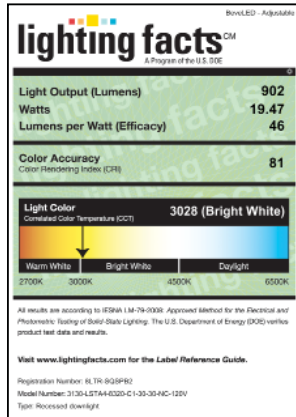
Data shown using 80+ CRI, 90+ CRI, de-rate data by approximately 20%

## BeveLED Adjustable, 30° Beam, 20W

3130-10-LSTA4-8320-C1-30-30-NC-120V

LTL Report No. : 19751

Spacing Criteria: .42 CBCP: 3776



## ZONAL LUMEN SUMMARY

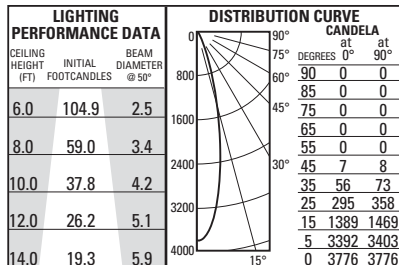
| Zone   | Lumens | % of Lamp | % of Luminaire |
|--------|--------|-----------|----------------|
| 0-30   | 843.9  | N/A       | 93.8%          |
| 0-40   | 889.5  | N/A       | 98.8%          |
| 0-60   | 899.9  | N/A       | 100.0%         |
| 0-90   | 899.9  | N/A       | 100.0%         |
| 90-180 | 0.0    | N/A       | 0.0%           |
| 0-180  | 899.9  | N/A       | 100.0%         |

Total lumen Output: 899.9 Lumens

Luminaire Efficacy: 46.8 Lumens per Watt

CIE Type: Direct

Spacing Criterion: 0°: 0.42 90°: 0.43  
180°: 0.42 270°: 0.43

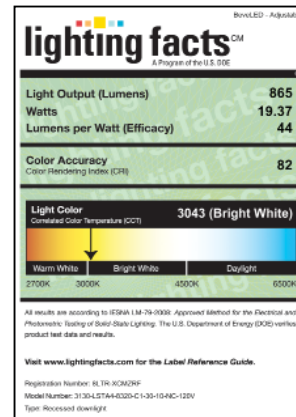


## BeveLED Adjustable, 10° Beam, 20W

3130-10-LSTA4-8320-C1-30-10-NC-120V

LTL Report No. : 19749

Spacing Criteria: .31 CBCP: 5497



## ZONAL LUMEN SUMMARY

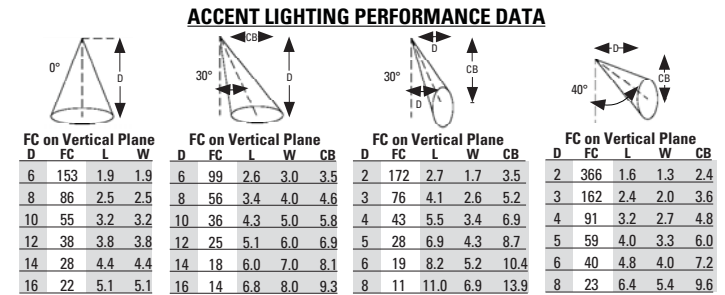
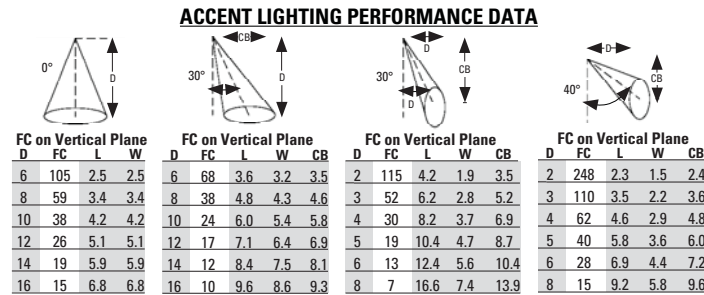
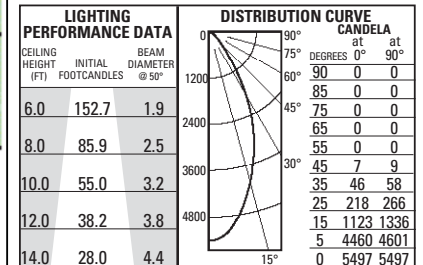
| Zone   | Lumens | % of Lamp | % of Luminaire |
|--------|--------|-----------|----------------|
| 0-30   | 831.5  | N/A       | 94.4%          |
| 0-40   | 868.5  | N/A       | 98.6%          |
| 0-60   | 880.6  | N/A       | 100.0%         |
| 0-90   | 880.6  | N/A       | 100.0%         |
| 90-180 | 0.0    | N/A       | 0.0%           |
| 0-180  | 880.6  | N/A       | 100.0%         |

Total lumen Output: 880.6 Lumens

Luminaire Efficacy: 44.9 Lumens per Watt

CIE Type: Direct

Spacing Criterion: 0°: 0.31 90°: 0.33  
180°: 0.31 270°: 0.33

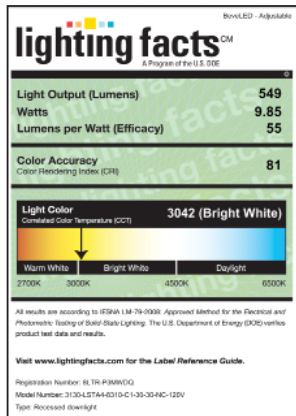


## BeveLED Adjustable, 30° Beam, 10W

3130-10-LSTA4-8310-C1-30-30-NC-120V

LTL Report No. : 19904

Spacing Criteria: .43 CBCP: 2243



## ZONAL LUMEN SUMMARY

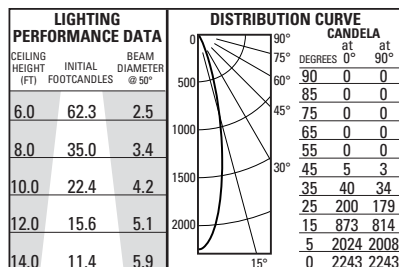
| Zone   | Lumens | % of Lamp | % of Luminaire |
|--------|--------|-----------|----------------|
| 0-30   | 497.6  | N/A       | 94.0%          |
| 0-40   | 523.7  | N/A       | 98.9%          |
| 0-60   | 529.3  | N/A       | 100.0%         |
| 0-90   | 529.3  | N/A       | 100.0%         |
| 90-180 | 0.0    | N/A       | 0.0%           |
| 0-180  | 529.3  | N/A       | 100.0%         |

Total lumen Output: 529.3 Lumens

Luminaire Efficacy: 53.7 Lumens per Watt

CIE Type: Direct

Spacing Criterion: 0°: 0.43 90°: 0.42  
180°: 0.43 270°: 0.42

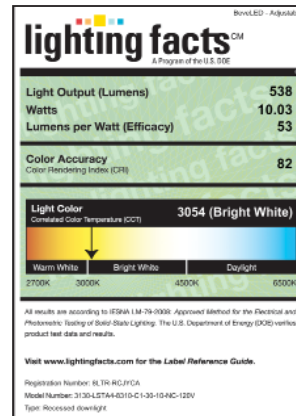


## BeveLED Adjustable, 10° Beam, 10W

3130-10-LSTA4-8310-C1-30-10-NC-120V

LTL Report No. : 19902

Spacing Criteria: .31 CBCP: 3327



## ZONAL LUMEN SUMMARY

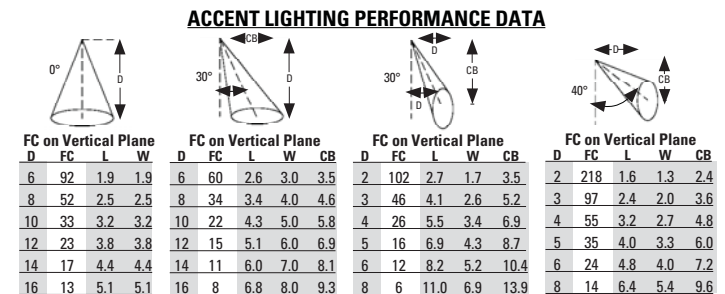
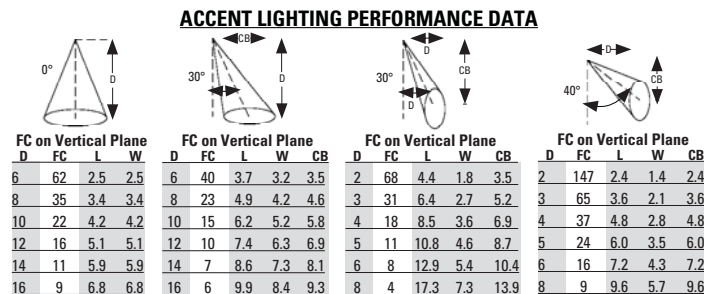
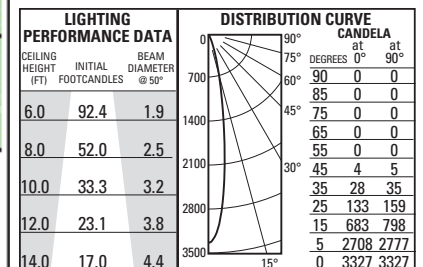
| Zone   | Lumens | % of Lamp | % of Luminaire |
|--------|--------|-----------|----------------|
| 0-30   | 501.8  | N/A       | 694.4%         |
| 0-40   | 524.3  | N/A       | 98.6%          |
| 0-60   | 531.5  | N/A       | 100.0%         |
| 0-90   | 531.5  | N/A       | 100.0%         |
| 90-180 | 0.0    | N/A       | 0.0%           |
| 0-180  | 531.5  | N/A       | 100.0%         |

Total lumen Output: 531.5 Lumens

Luminaire Efficacy: 52.9 Lumens per Watt

CIE Type: Direct

Spacing Criterion: 0°: 0.31 90°: 0.33  
180°: 0.31 270°: 0.33



### DIMMING DRIVER WIRING SCHEMES:

#### DIML2 LED: 0-10V 3-Wire FL Dimming Driver Wiring (Dims down to 15%)

**NOTE:** Consult dimmer manufacturer for detailed installation information.

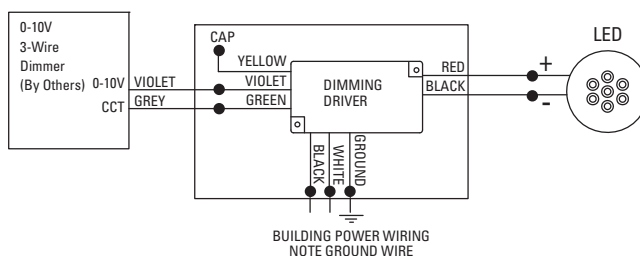
**For use with 0-10V fluorescent type controls.**

**Use only with approved vendor models:**

**Lutron: DIVA DDTV-XX XX=Color**

**Leviton: IP710-DLX**

**Lightolier: V2000FAMU**



### Compatible Crestron Dimming System

**NOTE:** Consult dimmer manufacturer for detailed installation information.

| Creston Model  | Compatible | Min # of Fixtures Required (1) | Creston Min-Max % Limits (2) | Measured Light Output % (3) |
|----------------|------------|--------------------------------|------------------------------|-----------------------------|
| CLS-EXP-DIMFLV | Y          | 1                              | 0-100%                       | 15-100%                     |
| DIN-4DIMFLV4   | Y          | 1                              | 0-100%                       | 15-100%                     |
| DIN-A08        | Y          | 1                              | 0-100%                       | 15-100%                     |
| GLX-DIMFLV8    | Y          | 1                              | 0-100%                       | 15-100%                     |
| GLXP-DIMFLV8   | Y          | 1                              | 0-100%                       | 15-100%                     |

(1) Operating dimmers with less than the minimum required fixtures may cause flicker. The Max number of fixtures is limited by dimmer rating unless otherwise noted.

(2) % Level refers to the Crestron Control System Intensity. Operating the dimmer below the Min % level may cause flicker. Operating the dimmer above the Max % may show no additional brightness.

(3) % Level of light output from fixture when connected directly to power source

(4) Dimmer requires a direct connection to neutral unless otherwise noted.

**See next page for: DIML4 LED Dimming Part Numbers**

## DIML4 LED: Lutron Hi-Lume A-Series LED Driver with Eco System Control / LED Dimming Driver Wiring (Dims down to 1%)

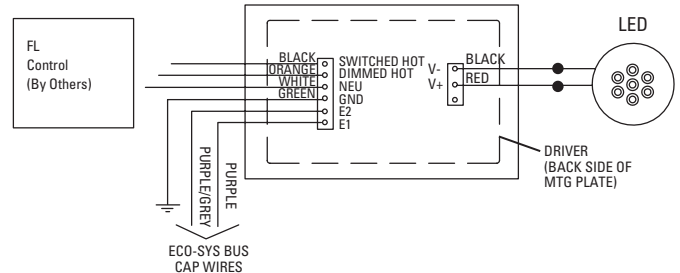
### Compatible Lutron Dimmers / Test Results

**NOTE:** Consult dimmer manufacturer for detailed installation information.

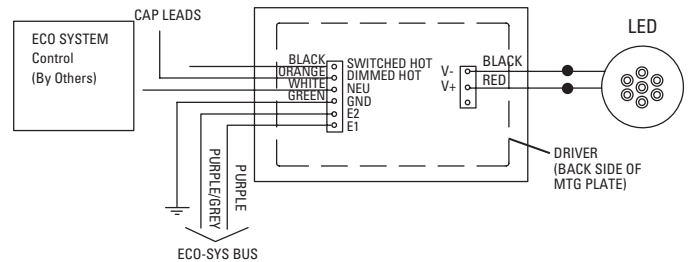
| Product          | Part Number   | Fixtures Per Dimmer |       | Measured Light Output Range |
|------------------|---|---------------------|-------|-----------------------------|
|                  |   | 120V                | 277V  |                             |
| NovaT            | NTF-10,   | 1-59                | -     | 100% - 1%                   |
| NovaT            | NTF-103P, NTF-10-277                                  | 1-29                | 1-61  | 100% - 1%                   |
| NovaT            | NTF-103P-277  | -                   | 1-46  | 100% - 1%                   |
| Nova             | NF-10   | 1-59                | -     | 100% - 1%                   |
| Nova             | NF-103P, NF-10-277                                    | 1-29                | 1-61  | 100% - 1%                   |
| Nova             | NF-103P-277   | -                   | 1-46  | 100% - 1%                   |
| Vareo            | VF-10   | 1-29                | -     | 100% - 1%                   |
| Skylark          | SF-10P, SF-103P                                       | 1-29                | -     | 100% - 1%                   |
| Skylark          | SF-12P-277, SF-12P-277-3                              | -                   | 1-46  | 100% - 1%                   |
| Diva             | DVF-103, DVSCF-103P                                   | 1-29                | -     | 100% - 1%                   |
| Diva             | DVF-103P-277, DVSCF-103P-277                          | -                   | 1-46  | 100% - 1%                   |
| Ariadni          | AYF-103P  | 1-29                | -     | 100% - 1%                   |
| Ariadni          | AYF-103P-277  | -                   | 1-46  | 100% - 1%                   |
| Vierti           | VTF-6AM   | 1-22                | -     | 100% - 1%                   |
| Maestro          | MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277          | 1-22                | 1-46  | 100% - 1%                   |
| Maestro Wireless | MRF2-F6AN-DV  | 1-22                | 1-46  | 100% - 1%                   |
| Spacer System    | SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277          | 1-22                | 1-46  | 100% - 1%                   |
| Lyneo            | LXF-103PL   | 1-29                | -     | 100% - 1%                   |
| Lyneo            | LXF-103PL-277   | -                   | 1-46  | 100% - 1%                   |
| Radio RA 2       | RRD-F6AN-DV   | 1-22                | 1-46  | 100% - 1%                   |
| HomeWorks QS     | HQRD-F6AN-DV  | 1-22                | 1-46  | 100% - 1%                   |
| Interfaces (1)   | PHPM-3F   | 1-59                | 1-123 | 100% - 1%                   |
|                  | GRX-FDBI-16A  | 1-59                | -     | 100% - 1%                   |
| EcoSystem        | CS-1L-WM, CS-2L-WM, CS-1L CM, CS-2L-CM, EcoSystem ESN | 64 per link         |       | 100% - 1%                   |
|                  | Grafik Eye QS with EcoSystem Quantum                  | EcoSystem link      |       | 100% - 1%                   |

(1) For use with 3 Wire controls or Commercial Systems, RA Systems or Home Systems applications.  
\*Contact Lutron tech support for deganging rules when using wallbox controls on the Hi-lume A-Series LED Driver.

### Wire Diagram for 3-Wire FL Control (no Eco System Control)



### Wire Diagram for ECO System Digital Control



### Compatible Crestron Dimmers / Test Results

**NOTE:** Consult dimmer manufacturer for detailed installation information.

#### 20W

**Date Tested:** 06/02/2011. [Report Revised 6/28/2011]

**Dimming Performance:** Smooth and Continuous.

**Operating Voltage / Power Rating:** 120V / 277V, 20W

**Control Type:** 3 Wire Control (HOT, Dimmed HOT, Neutral)

**Notes:** Recommend setting MIN Level to 25% to avoid dead travel at low dimming levels. Recommend setting MAX Level to level indicated below to avoid dead travel at high end.

| Crestron Model | Compatible | Min # of Fixtures Required (1) | Crestron Min-Max % Limits (2) | Measured Light Output % (3) | Notes                        |
|----------------|------------|--------------------------------|-------------------------------|-----------------------------|------------------------------|
| CLS-EXP-DIMFDB | Y          | 1                              | 25-87%                        | <1-100%                     | MIN Level must be set to 25% |
| GLX-DIM6       | Y          | 1                              | 25-77%                        | <1-100%                     |                              |
| GLXX-2DIM8     | Y          | 1                              | 25-70%                        | <1-100%                     |                              |

(1) Operating dimmers with less than the minimum required fixtures may cause flicker. The Max number of fixtures is limited by dimmer rating unless otherwise noted.

(2) % Level refers to the Crestron Control System Intensity. 0 power source

(4) Dimmer requires a direct connection to neutral unless otherwise noted.

#### 10W

**Date Tested:** 06/02/2011.

**Dimming Performance:** Smooth and Continuous at 120V only.

**Operating Voltage / Power Rating:** 120V / 277V, 10W

**Control Type:** 3 Wire Control (HOT, Dimmed HOT, Neutral)

**Notes:** Recommend setting MIN Level to 25% to avoid dead travel at low dimming levels. Recommend setting MAX Level to level indicated below to avoid dead travel at high end. Power supply tested is NOT suitable for use at 277V. Supply cuts out regardless of LED Load or Dimmer connected.

| Crestron Model | Compatible | Min # of Fixtures Required (1) | Crestron Min-Max % Limits (2) | Measured Light Output % (3) | Notes                        |
|----------------|------------|--------------------------------|-------------------------------|-----------------------------|------------------------------|
| CLS-EXP-DIMFDB | Y          | 1                              | 25-87%                        | <1-100%                     | MIN Level must be set to 25% |
| GLX-DIM6       | Y          | 1                              | 25-77%                        | <1-100%                     |                              |
| GLXX-2DIM8     | Y          | 1                              | 25-70%                        | <1-100%                     | 120V operation only          |