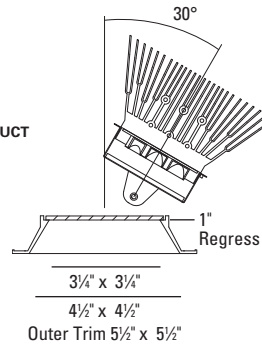


# BeveLED® LED

## Adjustable 30°



# 3130



### 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.

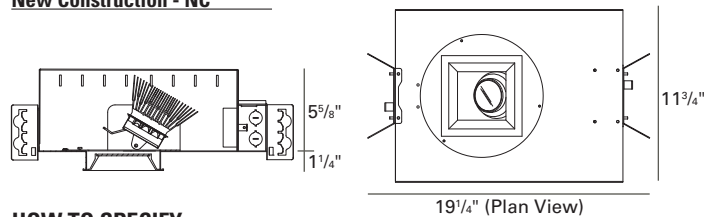
#### CRI OPTIONS:

**Standard:** 80+ CRI.  
**High:** 90+ CRI.

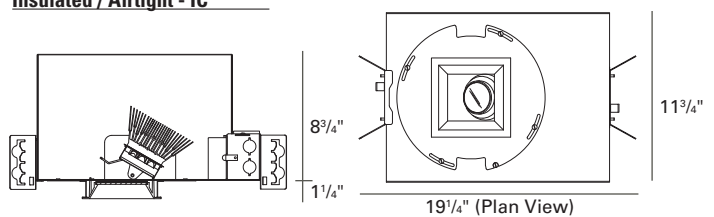
### HOUSING INFORMATION

**LSTA4-8310-C1** (10W)  
**LSTA4-8320-C1** (20W)

#### New Construction - NC



#### Insulated / Airtight - IC



### HOW TO SPECIFY

Trim	Finish	-Optional- Trim Lens	Housing	- Color Temperature	Beam Angle	Housing Type	- Voltage -	Accessories
<b>3130</b>								
<b>3130</b> BeveLED Trim 30° Adjustable	<b>10</b> - White <b>21</b> - Black <b>28</b> - Metalized Grey <b>RAL</b> - Special Color	<b>S</b> - Solite <b>C</b> - Clear  <b>Note:</b> Standard trim not supplied with trim lens.	<b>LSTA4-8310-C1</b> - 10W <b>LSTA4-8320-C1</b> - 20W	<b>Standard CRI 80+</b> <b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K  <b>High CRI 90+</b> <b>27H</b> - 2700K <b>30H</b> - 3000K	<b>10</b> - 10° <b>30</b> - 30°	<b>NC</b> - New Construction <b>IC</b> - Insulated / Airtight	<b>120V</b> <b>277V</b>	<b>W</b> - Wet Listed (under covered ceiling) <b>CB27</b> - 27" C-Channel Bars <b>CB52</b> - 52" C-Channel Bars <b>DIML2</b> - 0-10V Low Voltage 15% Dimming Driver <b>DIML4</b> - Lutron Hi-Lume LED / ECO System Series A 3 Wire Control 1% Dimming Driver <b>EML</b> - Emergency lighting battery pack w/ remote test switch. Note: Housing size may differ. <b>Above ceiling access required for service</b> <b>Not for use with WET LISTED (W) option</b>

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

# PERFORMANCE SUMMARY

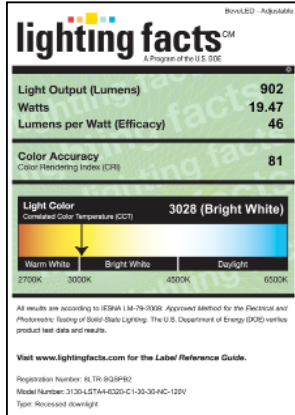
Data shown using 80+ CRI, 90+ CRI, de-rate data by approximately 20%

## 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

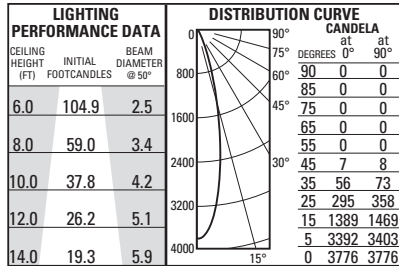
Zone	Lumens	% of Lamp	% of Luminaire
0-30	843.9	N/A	93.8%
0-40	889.5	N/A	98.8%
0-60	899.9	N/A	100.0%
0-90	899.9	N/A	100.0%
90-180	0.0	N/A	0.0%
0-180	899.9	N/A	100.0%

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

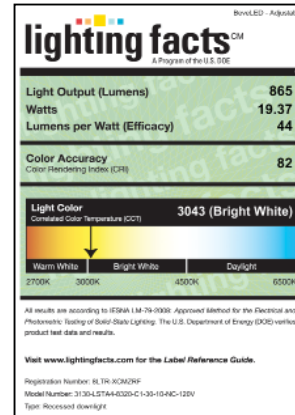


## BeveLED Adjustable, 10° Beam, 20W

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

LTL Report No. : 19749

Spacing Criteria: .31 CBCP: 5497



## ZONAL LUMEN SUMMARY

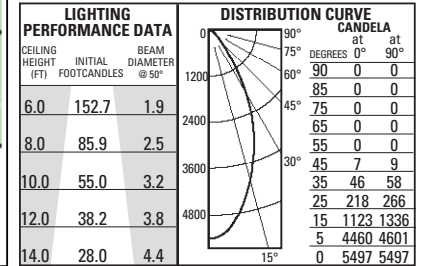
Zone	Lumens	% of Lamp	% of Luminaire
0-30	831.5	N/A	94.4%
0-40	868.5	N/A	98.6%
0-60	880.6	N/A	100.0%
0-90	880.6	N/A	100.0%
90-180	0.0	N/A	0.0%
0-180	880.6	N/A	100.0%

Total lumen Output: 880.6 Lumens

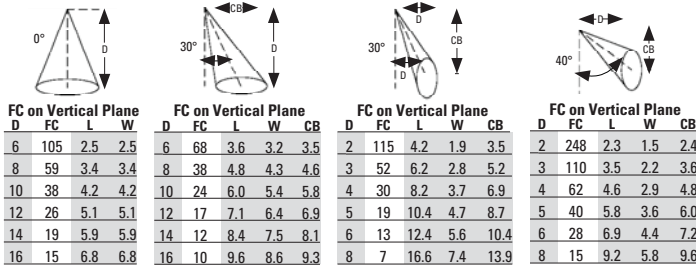
Luminaire Efficacy: 44.9 Lumens per Watt

CIE Type: Direct

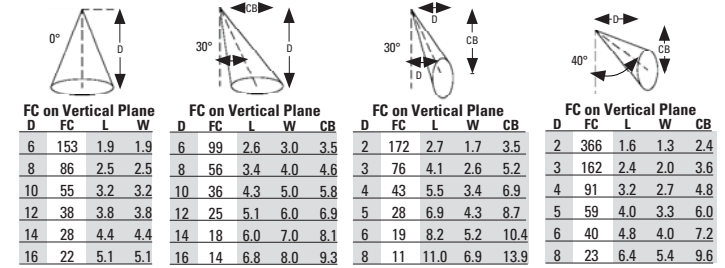
Spacing Criterion: 0°: 0.31 90°: 0.33  
180°: 0.31 270°: 0.33



## ACCENT LIGHTING PERFORMANCE DATA



## ACCENT LIGHTING PERFORMANCE DATA

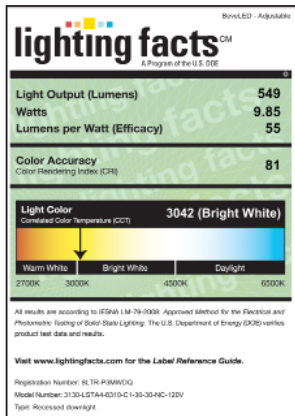


## BeveLED Adjustable, 30° Beam, 10W

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

LTL Report No. : 19904

Spacing Criteria: .43 CBCP: 2243



## ZONAL LUMEN SUMMARY

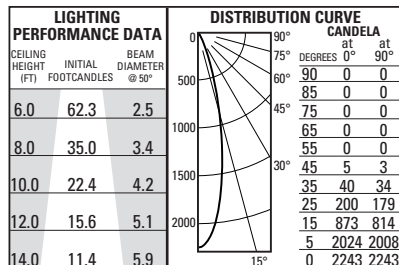
Zone	Lumens	% of Lamp	% of Luminaire
0-30	497.6	N/A	94.0%
0-40	523.7	N/A	98.9%
0-60	529.3	N/A	100.0%
0-90	529.3	N/A	100.0%
90-180	0.0	N/A	0.0%
0-180	529.3	N/A	100.0%

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

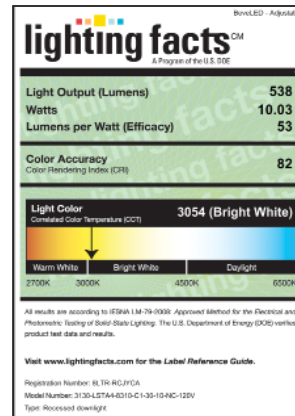


## BeveLED Adjustable, 10° Beam, 10W

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

LTL Report No. : 19902

Spacing Criteria: .31 CBCP: 3327



## ZONAL LUMEN SUMMARY

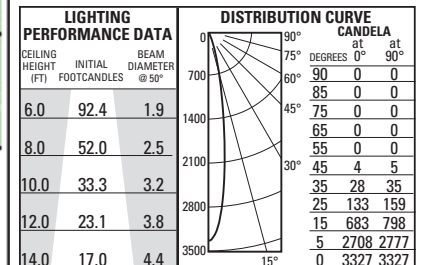
Zone	Lumens	% of Lamp	% of Luminaire
0-30	501.8	N/A	694.4%
0-40	524.3	N/A	98.6%
0-60	531.5	N/A	100.0%
0-90	531.5	N/A	100.0%
90-180	0.0	N/A	0.0%
0-180	531.5	N/A	100.0%

Total lumen Output: 531.5 Lumens

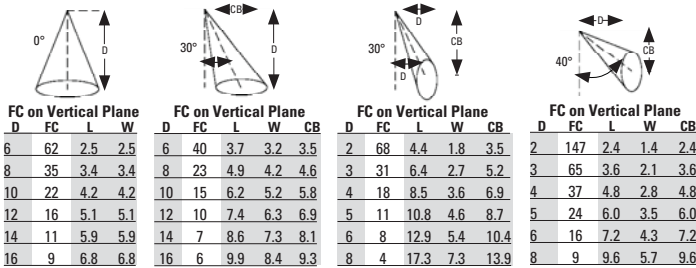
Luminaire Efficacy: 52.9 Lumens per Watt

CIE Type: Direct

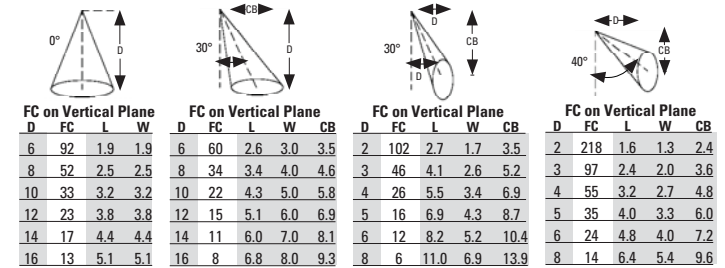
Spacing Criterion: 0°: 0.31 90°: 0.33  
180°: 0.31 270°: 0.33



## ACCENT LIGHTING PERFORMANCE DATA



## ACCENT LIGHTING PERFORMANCE DATA



**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.

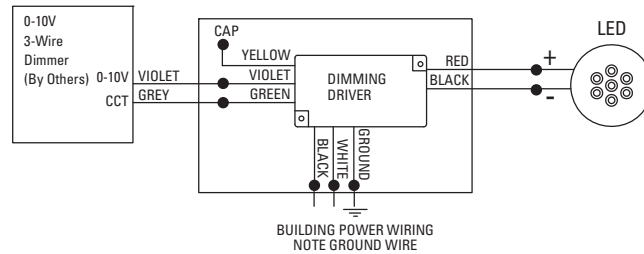
**For use with 0-10V fluorescent type controls.**

**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%)**

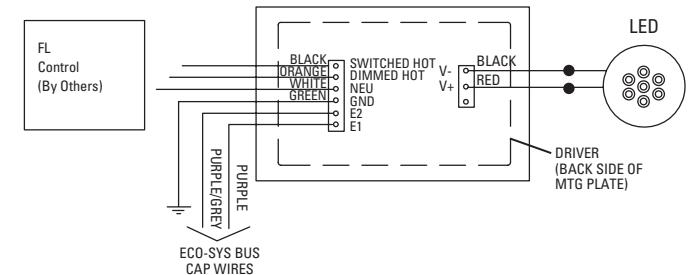
**Compatible Lutron Dimmers / Test Results**

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

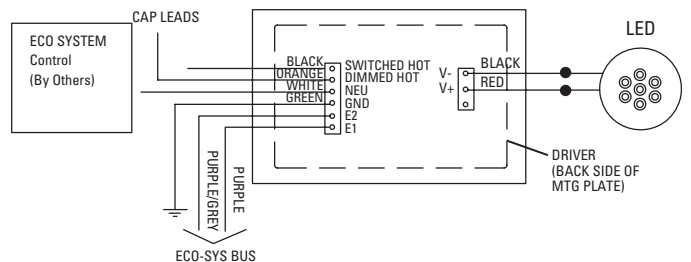
Product	Part Number	Fixtures Per Dimmer		Measured Light Output Range
		120V	277V	
NovaT	NTF-10,	1-59	-	100% - 1%
NovaT	NTF-103P, NTF-10-277	1-29	1-61	100% - 1%
NovaT	NTF-103P-277	-	1-46	100% - 1%
Nova	NF-10	1-59	-	100% - 1%
Nova	NF-103P, NF-10-277	1-29	1-61	100% - 1%
Nova	NF-103P-277	-	1-46	100% - 1%
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% 120V operation only
GLX-DIM6	Y	1	25-77%	<1-100%	
GLXX-2DIM8	Y	1	25-70%	<1-100%	