

# LS431LED Centria

# Wallmount



The LS431LED is a visually compact, surface mounted luminaire, suitable for use where a remotely located driver can be conveniently housed close by. With its low profile design and suitability for direct and indirect lighting applications, it is suitable for a wide range of architectural environments. Choices of beam angles, light and glare control accessories are available.

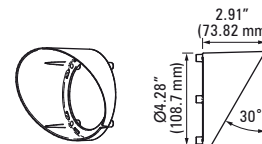
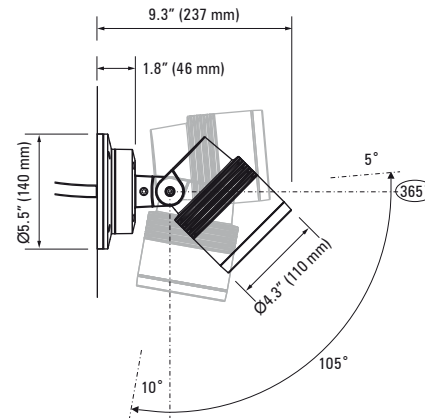
## Specifications

<b>Lamp Source</b>	16 W or 27 W LED <input type="checkbox"/> White (4 300 K typical) <input type="checkbox"/> Warm white (3 000 K typical) <input type="checkbox"/> Blue (470 nm) <i>Other colors by request</i>
<b>Approved Use</b>	Suitable for wet locations
<b>IP Rating</b>	IP66 / IP67
<b>Construction</b>	LM20 die-cast marine grade powder coated aluminum
<b>Accessories</b> <i>Order separately</i>	<b>LS6065</b> Linear spreader lens <b>LS6066</b> Prismatic lens <b>LS6067</b> Concentric louver <b>LS6104</b> External glare shield
<b>Remote Drivers</b> <i>Order separately</i>	Refer to Technical Data section for application specific options
<b>Ambient Operating Temperature</b>	-40 °F to 122 °F (-40 °C to +50 °C)
<b>Photometrics</b>	Refer to <a href="http://www.lumascap.com">www.lumascap.com</a>

Any luminaire can become hot - take care with appropriate use and placement



**LS431LED Centria**  
 Remote driver required  
 (order separately)

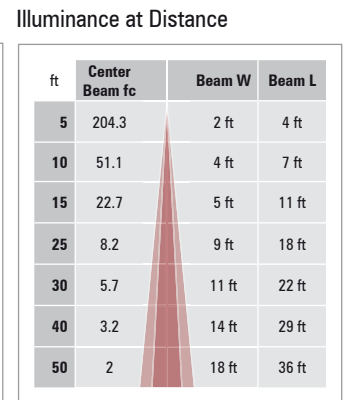
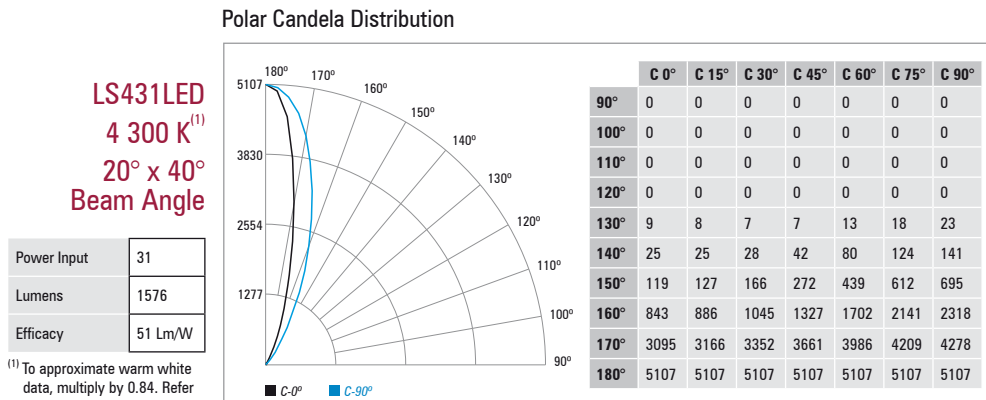
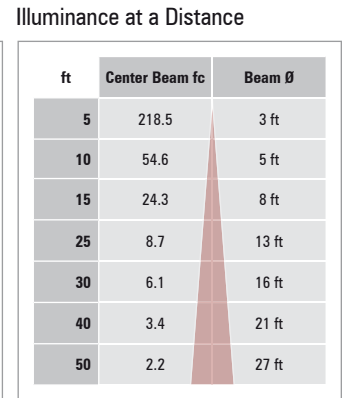
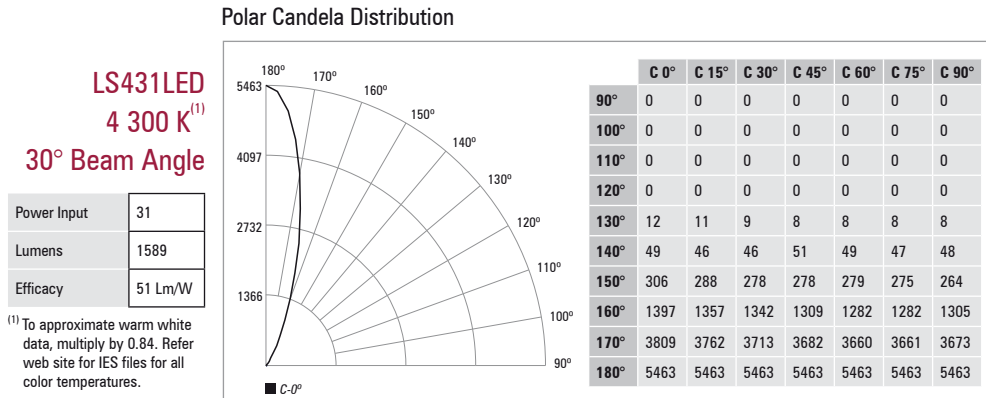
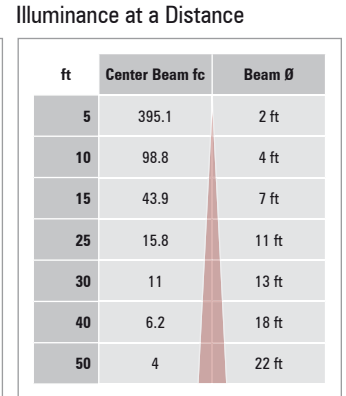
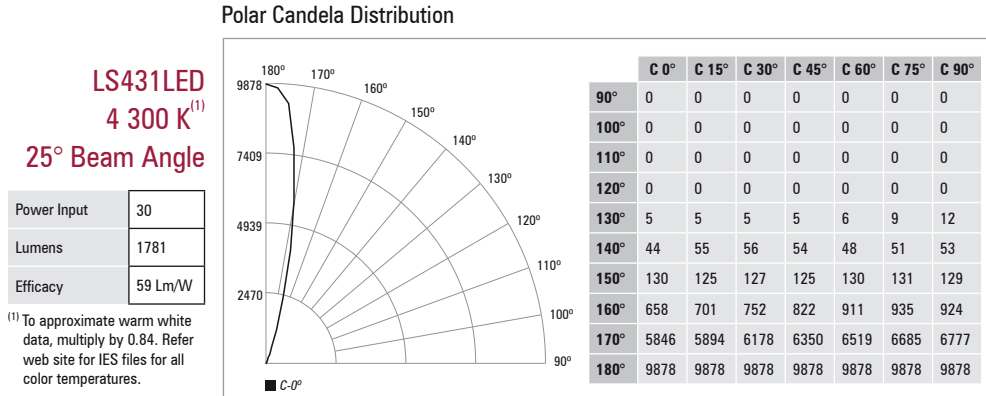


**LS6104**  
 External glare shield

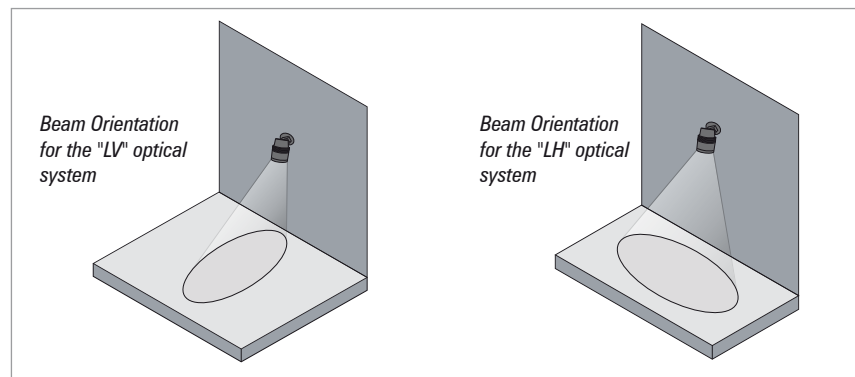
LAMP				OPTICAL SYSTEM				INPUT VOLTAGE		FINISH	
Description	Wattage	Color	Code	Description	Beam		Code	Description	Code	Description	Code
LED	16 W	White (4 300 K typ.)	<b>16W4</b>	Adjustable	Narrow	14°	<b>NR</b>	Remote constant current driver	<b>RE<sup>(1)</sup></b>	Black	<b>CB</b>
		Warm white (3 000 K typ.)	<b>16H6</b>		Narrow Medium	25°	<b>NM</b>			White	<b>CW</b>
		Blue (470 nm)	<b>16B4</b>		Medium	30°	<b>ME</b>			Silver	<b>CS</b>
LED	27 W	White (4 300 K typ.)	<b>27W4</b>		Linear Horizontal	40° x 20°	<b>LH<sup>(1)</sup></b>	<sup>(1)</sup> Refer to beam orientation diagram.			
		Warm white (3 000 K typ.)	<b>27H6</b>		Linear Vertical	20° x 40°	<b>LV<sup>(1)</sup></b>				
		Blue (470 nm)	<b>27B4</b>								

Photometrics

Photometric data is based on test results from a NIST traceable testing lab. IES data is available at [www.lumascap.com](http://www.lumascap.com).  
 Note: No depreciation factor is applied to the data shown.



Beam Orientations



## Remote, Constant-Current Drivers for LED Luminaires

Generally speaking, the use of a remote driver is undesirable, except in some specific situations such as when the driver can be housed immediately adjacent to each luminaire (i.e. in the junction box the luminaire is mounted to), or when a luminaire has no option for a driver to be placed within the luminaire itself. The term "driver" here refers to a device that directly powers the LED inside the Luminaire. The 'driver' requires that luminaires be wired in series. This device will put out a 'constant current', which is required by the LED itself.

The following list of drivers are for use with luminaires specifically described as requiring a remote constant current driver. Compatibility will be noted in the ordering code of the luminaire concerned, and will typically be referenced by Voltage Code 'RE', (i.e. 'remote').

Compatibility with each driver is indicated by the value shown in the table, representing the maximum number of luminaires that may be powered from each driver. Please note, this does not take into consideration voltage drop or ampacity limits of the branch circuit. For assistance, please contact factory.

	Remote Drivers					
	NON-DIMMABLE				DIMMABLE	
	LS6094-350	LS6094-700	LS6097-1100	LS6097-850	LS6097-1100-DIM	LS6097-850-DIM
<b>Input Voltage</b>	120-277 V, 50/60 Hz	120-277 V, 50/60 Hz	120-277 V, 50/60 Hz	120-277 V, 50/60 Hz	120-277 V, 50/60 Hz	120-277 V, 50/60 Hz
<b>Drive Current</b>	350 mA	700 mA	1100 mA	850 mA	1100 mA	850 mA
<b>Control Options</b>					0-10 V	0-10 V
<b>LS431LED, 27 Watt</b>			1		1	
<b>LS431LED, 16 Watt</b>				1		1

## Remote, Constant-Current LED Drivers - Non-Dimmable

### LS6094-350

Junction box located driver

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	6 W max		
<b>Output</b>	2-20 V, 350 mA		
<b>Output Circuits</b>	1		
<b>Approvals</b>	UL Recognized, Class 2		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 2.36" (60 mm)	<b>W</b> 1.77" (45 mm)	<b>D</b> 0.98 (25 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

### LS6097-850

Remote LED driver - NEMA enclosure required (by others)

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	25 W max		
<b>Output</b>	10-28 V, 850 mA		
<b>Output Circuits</b>	1		
<b>Approvals</b>	UL, CUL Recognized		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 3.07" (78 mm)	<b>W</b> 3.15" (80 mm)	<b>D</b> 1" (25 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

### LS6094-700

Junction box located driver

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	6 W max		
<b>Output</b>	2-11 V, 700 mA		
<b>Output Circuits</b>	1		
<b>Approvals</b>	UL Recognized, Class 2		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 1.77" (45 mm)	<b>W</b> 1.77" (45 mm)	<b>D</b> 0.98 (25 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

### LS6097-1100

Remote LED driver - NEMA enclosure required (by others)

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	40 W max		
<b>Output</b>	12-36 V, 1100 mA		
<b>Output Circuits</b>	1		
<b>Approvals</b>	UL, CUL Recognized		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 3.74" (95 mm)	<b>W</b> 2.76" (70 mm)	<b>D</b> 1.26" (32 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

## Remote, Constant-Current LED Drivers - Dimmable

### LS6097-1100-DIM

Remote LED driver - NEMA enclosure required (by others)

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	40 W max		
<b>Output</b>	12-36 V, 1100 mA		
<b>Output Circuits</b>	1		
<b>Control Protocol</b>	0-10 V		
<b>Approvals</b>	UL, CUL Recognized		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 3.74" (95 mm)	<b>W</b> 2.76" (70 mm)	<b>D</b> 1.26 (32 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

### LS6097-850-DIM

Remote LED driver - NEMA enclosure required (by others)

<b>Input</b>	120-277 V, 50/60 Hz		
<b>Rating</b>	25 W max		
<b>Output</b>	10-28 V, 850 mA		
<b>Output Circuits</b>	1		
<b>Control Protocol</b>	0-10 V		
<b>Approvals</b>	UL, CUL Recognized		
<b>IP Rating</b>	IP66		
<b>Dimensions</b>	<b>H</b> 3.07" (78 mm)	<b>W</b> 3.15" (80 mm)	<b>D</b> 1" (25 mm)
<b>Weight</b>	0.2 lb (0.1 kg)		

