

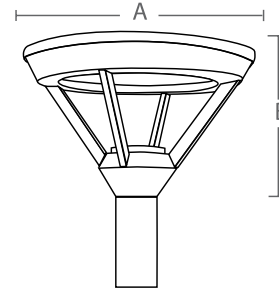
# D821-LED

## Architectural Diamond Luminaire



### Job Information

Type:	
Catalog #:	
Project:	
Comments:	
Prepared by:	



	A	B	Wattages
Size 1	25 7/8"	16"	100W-150W
Size 2	20"	13"	20W-80W



### Description

The D821-LED series features a heavy-cast aluminum housing designed with modern aesthetics in mind. The architectural luminaire provides brilliant illumination to walkways and other outdoor spaces, improving the visibility, safety, and overall look of any outdoor area. Powered by DECO's energy-saving LED technology, this high-powered outdoor luminaire is Dark Sky compliant and paired with state-of-the-art optics to restrict light trespass, glare and light pollution for neighborhood-friendly outdoor lighting.

### Ordering Information

Example: (D821-LED-60-30-UNV-T5-PT-DB-WDF)



Series	Wattage/Lumen	Color Temp.	Voltage	Optics	Mounting	Finish	Option			
Architectural Diamond Luminaire	20	20W/2184 <sup>3</sup>	30	3000K	UNV	120-277V	T2 Type 2	PT Post Top 2	DB Dark	SM Smart Dim* <sup>8</sup>
	30	30W/3276 <sup>3</sup>	35	3500K	347	347V	T3 Type 3	3/8" Tenon	BK Bronze <sup>1</sup>	PC Photocell <sup>6</sup>
	40	40W/4368 <sup>3</sup>	40	4000K	480	480V	T5 Type 5 <sup>1</sup>	Post Top 3"	WH White	WSF Wired Single Fuse <sup>5</sup>
	60	60W/6552 <sup>3</sup>	50	5000K <sup>4</sup>	(Step-Down Transformer used for 480V Divider)		PT3	Tenon	SL Silver	WDF Wired Double Fuse <sup>5</sup>
	80	80W/8736 <sup>3</sup>					OT	Other Tenon	GY Gray	LS Light Shield
	100	100W/10920 <sup>3</sup>						MT <sup>6</sup>	CC Custom <sup>2</sup>	PC7 7-Pin Photocell Recep
	120	120W/13104 <sup>3,7</sup>							MS	Motion Sensor w/Dimming (FSP-211)
	150	150W/16380 <sup>3,7</sup>								

<sup>1</sup> Standard for fixture  
<sup>2</sup> Contact factory for custom finish  
<sup>3</sup> Delivered Lumens (5000K)  
<sup>4</sup> Standard Color Temp.  
<sup>5</sup> Specify Voltage ( eg. 120V)  
<sup>6</sup> Specify size or consult factory  
<sup>7</sup> DLC Listed  
<sup>8</sup> Only for 120W & 150W

\*Requires additional control device, see Page 4 for more info

### Features

- Housing is heavy cast aluminum with heavy wall cast aluminum supports & heavy gauge spun aluminum cover.
- Clear impact resistant acrylic lens.
- Complies with IP65 rating.

### DLC Listing

	120W	150W
3000K	X	X
3500K		
4000K	X	X
5000K	X	X

### Performance Data

CRI:	80+			
CCT:	3000K, 3500K, 4000K, 5000K			
Warranty:	10 yr. Limited Warranty			
Dimming:	Available with 0-10V inputs dimming down to 10%			
Operating Temperature:	0°-60°C Max Ambient			
L70 Rating:	100,000+ Hours			
EPA:	1.8 & 2.0			
IP Rating:	IP65			
Driver Current:	700mA			
Sound Rating:	Class A (inaudible in a 24dB ambient environment)			
BUG Rating:	Type 2	B3	U2	G2
	Type 3	B3	U2	G3
	Type 5	B4	U1	G2

### Delivered Light Output & Equivalency Chart

HID to LED Replacement		
DELIVERED LUMENS	HID	LED Replacement
1300lm	50W	10W
2600lm	70W	20W
3900lm	100W	30W
5200lm	150W	40W
7800lm	175W	60W
11700lm	250W	80W
15600lm	400W	120W
26000lm	750W	200W
31200lm	1000W	240W

Interested in upgrading from HID to LED lighting? Use the conversion table above to get a general idea of what wattage LED fixture will replace your current lighting system. Lumen output and overall performance will vary by fixture, so please contact our factory or your nearest sales rep regarding specific questions on what wattage will best suit your desired space and application.

### Step Dimming & Bi-Level

#### FSP-211

The FSP-211 mounts in an outdoor lighting fixture and provides multi-level control based on motion. The sensor also includes a photocell to measure the ambient light level. It controls 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an SFP-LX Lens, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

#### Key Factors

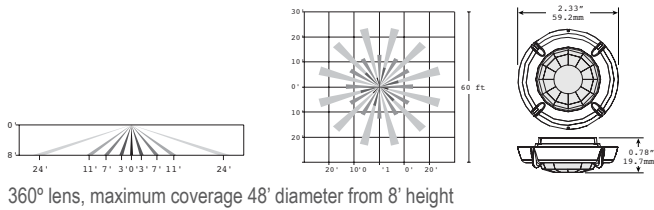
- Fully adjustable high and low dimmed light levels.
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Hold off setpoint with automatic calibration option for convenience and added energy savings
- Adjustable via handheld wireless configuration tool
- IP66 rated with choice of lenses for wet and outdoor locations, and mounting heights from 8' to 40'
- Adjustable time delay and cut off delay



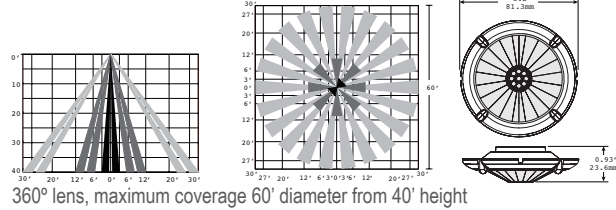
### Coverage & Dimensions

The FS-Lx lenses work with FSP-211 motion sensors to provide multi-level lighting control based on motion and the ambient light level. Four lens choices provide flexibility for varying mounting heights.

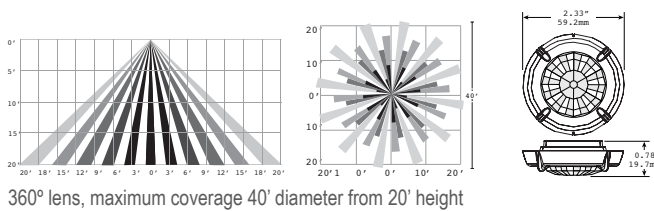
#### FSP-L2



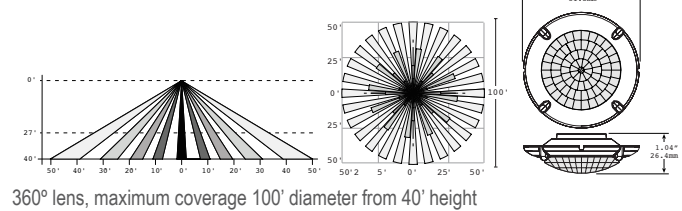
#### FSP-L4



#### FSP-L3



#### FSP-L7



### Smart Dim Options

Please Note: The Smart Dim option requires a control device, such as a photocell or other centralized system, in order for the unit to function properly.

#### Maximize energy-savings with the Dynadimmer 0-10V luminaire-based control for outdoor applications

Dynadimmer 0-10V is a lamp control device that enables high energy savings with low installation efforts. The small, stand-alone, luminaire-based device can drive a 1-10V electronic ballast to facilitate on-demand light levels and does not require an additional switching wire. The Dynadimmer 0-10V dimming schedule is flexible with up to five dimming levels and five time periods. Easy-to-operate software and programming equipment enable end users to re-program dim times and levels when and as they wish. Offering energy-efficiency and flexibility, the Dynadimmer 0-10V control is ideal for residential, roadway, parking, and industrial applications.

#### VIEW FULL SENSOR SPEC SHEET BELOW:

[http://www.getdeco.com/wp-content/themes/deco-digital/pdf/PA-7320-B-Dynadimmer\\_v2\\_web.pdf](http://www.getdeco.com/wp-content/themes/deco-digital/pdf/PA-7320-B-Dynadimmer_v2_web.pdf)



#### The Dynadimmer 0-10V solution offers:

- Reduced energy usage through dimming
- Reduced light nuisance
- Very small size; fits inside almost any luminaire
- Easy-to-use software provides a forecast of energy savings