



DECO® | LIGHTING

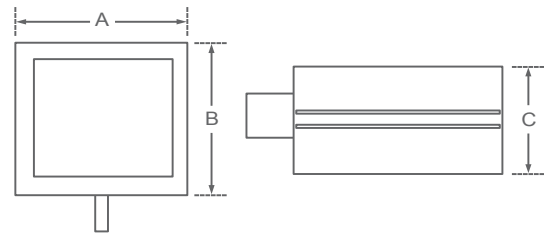
# D827-LED

## High Performance Area Luminaire



### Job Information

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



A	B	C	Stripe	Lbs
23"	23"	15"	2"	48

### Description

For new construction or upgrades to existing sites, the D827 High Performance Area Luminaire offers you an extensive selection of energy-saving features designed to help improve the safety, security and overall image of any outdoor lighting area.

### Ordering Information

Example: (D827-LED-60-30-UNV-T5-PM-DB-BM-WDF)

D827-LED

Series	Wattage/Lumen	Color Temp.	Voltage	Optics	Mounting	Finish	Stripe	Option								
High Performance Area Luminaire	80	80W/8736 <sup>3,6,7</sup>	30	3000K	UNV	120-277V	B	Blank	PM	Pole Mount	DB	Dark	BM	Blue Metallic	SM	Smart Dim*
	120	120W/13110 <sup>3,6,7</sup>	35	3500K	347	347V	T2	Type 2	RPM	Round Pole Mount	BK	Black	RO	Red Opaque	PC	Photocell <sup>5</sup>
	140	140W/15288 <sup>3,6,7</sup>	40	4000K	480	480V	T3	Type 3			WH	White	SM	Silver Metallic	WSF	Wired Single Fuse <sup>5</sup>
	160	160W/17472 <sup>3,6,7</sup>	50	5000K <sup>4,6</sup>		(Step-Down Transformer used for 480V Divider)	T5	Type 5 <sup>1</sup>	PT	Post Top 2 3/8" Tenon	SL	Silver	GM	Gold Metallic	WDF	Wired Double Fuse <sup>5</sup>
	180	180W/19656 <sup>3,6,7</sup>							PT3	Post Top 3" Tenon	GY	Gray	WO	White Opaque	GC	Glass Convex Lens
	200	200W/21840 <sup>3,6,7</sup>							OT	Other Tenon MT <sup>8</sup>	BKM	Black Metallic	LS	Light Shield	LS	Light Shield
	240	240W/26208 <sup>3,6,7</sup>									GM	Green	CM	Charcoal Metallic	WG	Wire Guard
260	260W/28392 <sup>3,6,7</sup>									CC	Custom <sup>2</sup>	CS	Custom Color Stripe	CG	Corvex Glass	
												BLANK	No Stripe			

<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> DLC LISTED  
<sup>7</sup> Smart Dim Available  
<sup>8</sup> Specify size or consult factory

\*Requires additional control device, see Page 3 for more info



Deco Lighting practices a program of continuous product development, and as a result product specifications change frequently. We reserve the right to change product specifications without notice. Contact Deco for the latest product information.

©2016 Deco Lighting, www.getdeco.com T: (800) 613-DECO F: (310) 366-6855  
 Rev Date: 1/4/17 #2

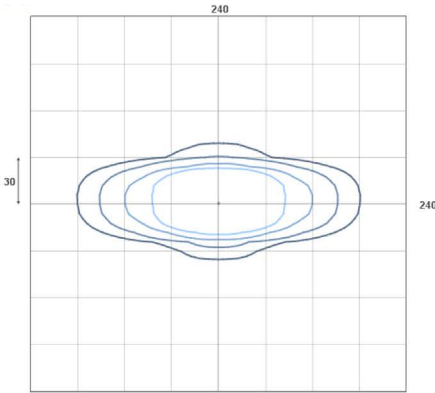
Digitize your light.®

### Features

- One-piece, precision sheared and formed housing, constructed using .080 gauge corrosion resistant aluminum, and stainless steel hardware.
- Hinged door assembly is removable, and constructed with one piece .080 gauge, precision sheared and formed, corrosion resistant aluminum and captive stainless steel fasteners.
- Clear tempered flat glass is standard, and is held by galvanized lens retainers. Silicone gasket is supplied to help protect from the elements.
- Bolt-on mounting arm with an internal pole nut plate, secures two 1/2 inch bolts with stainless steel hardware is included. A round pole adapter is available (contact factory).

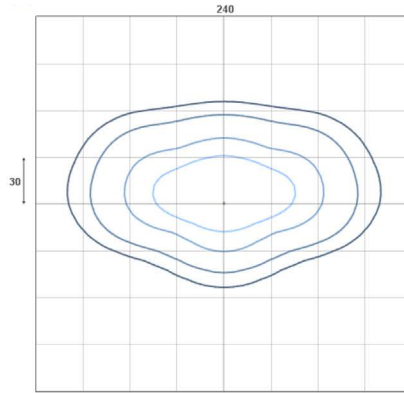
### Photometric Data

D827-LED 120W Type II



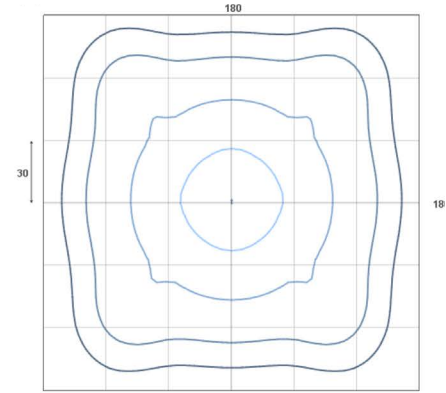
Calculation Area:	240'x240'
Point Spacing:	24'x24'
Max Luminance:	5.2 fc
Area > 0.5fc:	4536 ft²

D827-LED 120W Type III/ Type IV



Calculation Area:	240'x240'
Point Spacing:	24'x24'
Max Luminance:	2.9 fc
Area > 0.5fc:	6732 ft²

D827-LED 120W Type V



Calculation Area:	180'x180'
Point Spacing:	18'x18'
Max Luminance:	1.9 fc
Area > 0.5fc:	7533 ft²

### Performance Data

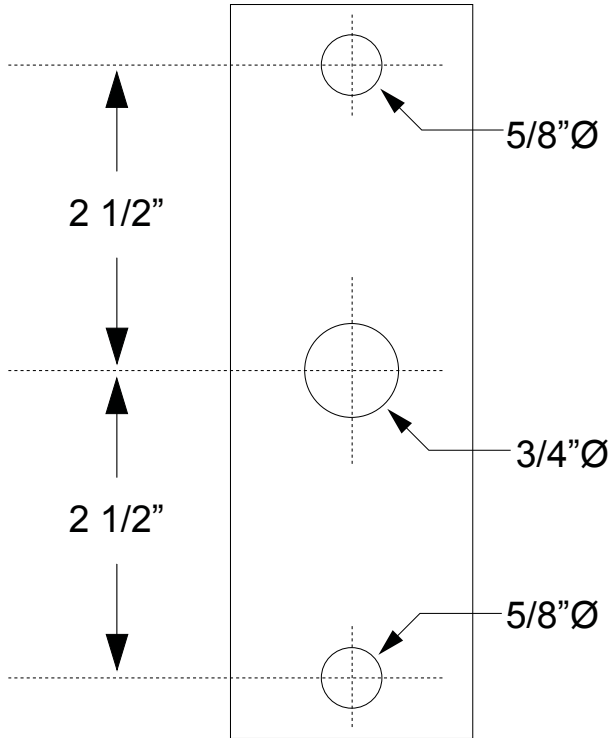
CRI:	80+			
CCT:	3000K, 3500K, 4000K, 5000K			
Warranty:	10 yr. Limited Warranty			
Dimming:	Available with 0-10V inputs dimming down to 10%			
Operating Temperature:	0°-60°C Max Ambient			
L70 Rating:	100,000+ Hours			
EPA:	3.4			
IP Rating:	IP65			
Driver Current:	700mA			
Sound Rating:	Class A (inaudible 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 below 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.

### Drill Pattern



### Options & Accessories



Light Shield

### Smart Dim Option

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