

# D816-LED

## 16" Area Light



### Job Information

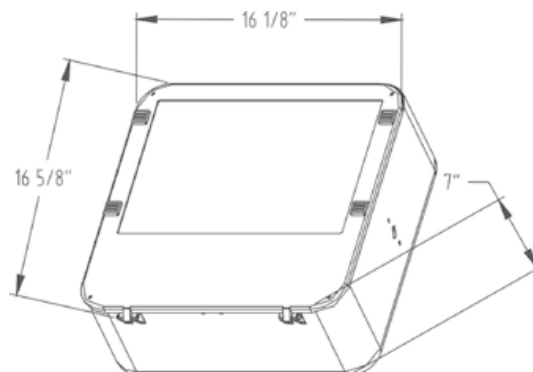
Type:

Catalog #:

Project:

Comments:

Prepared by:



### Description

The D816-LED utilizes a soft-cornered aerodynamic design to provide excellent light distribution and an aesthetically appealing appearance. Ideal for storage areas, rail yards, loading docks, and building perimeters. One piece die cast aluminum door has two captive stainless steel fasteners and can be removed from the die cast aluminum housing for easy maintenance. Attractive dark bronze, polyester powder coated finish for excellent impact, corrosion and UV resistance.

### Ordering Information

Example: (D816-LED-80-50-UNV-T5-SF-BZ-MS)

| D816-LED                                                      |                           |                             |             |                      |                                               |          |                  |                     |          |                  |            |                                    |        |                                           |
|---------------------------------------------------------------|---------------------------|-----------------------------|-------------|----------------------|-----------------------------------------------|----------|------------------|---------------------|----------|------------------|------------|------------------------------------|--------|-------------------------------------------|
| Series                                                        | Wattage/Lumen             |                             | Color Temp. |                      | Voltage                                       |          | Optics           |                     | Mounting |                  | Finish     |                                    | Option |                                           |
| 16" Area Light                                                | 20                        | 20W/2184 <sup>3</sup>       | 30          | 3000K                | UNV                                           | 120-277V | T2               | Type 2              | YM       | Yoke Mount       | BZ         | Bronze <sup>1</sup>                | SM     | Smart Dim <sup>8</sup> *                  |
|                                                               | 30                        | 30W/3270 <sup>3</sup>       | 35          | 3500K                | 347                                           | 347V     | T3               | Type 3              | LYM      | Large Yoke Mount | BL         | Black                              | PC     | Photocell                                 |
|                                                               | 40                        | 40W/4370 <sup>3</sup>       | 40          | 4000K                | 480                                           | 480V     | T5               | Type 5 <sup>1</sup> |          |                  | WH         | White                              | PT3    | 3' Pre-wired Cord                         |
|                                                               | 60                        | 60W/6550 <sup>3,6</sup>     | 50          | 5000K <sup>4,6</sup> | (Step-Down Transformer used for 480V Divider) |          |                  |                     | SF       | Slip Fitter      | CU         | Custom <sup>2</sup>                | PT6    | 6' Pre-wired Cord                         |
|                                                               | 80                        | 80W/8740 <sup>3,6</sup>     |             |                      |                                               |          | PM6              | Pole Mount 6        |          |                  | WSF        | Wired Single Fuse                  |        |                                           |
|                                                               | 100                       | 100W/10920 <sup>3,6,8</sup> |             |                      |                                               |          | PM10             | Pole Mount 10       |          |                  | WDF        | Wired Double Fuse                  |        |                                           |
|                                                               | 120                       | 120W/13110 <sup>3,6,8</sup> |             |                      |                                               |          | WB               | Wall Mount Bracket  |          |                  | HK         | Heavy Duty Adjustable Glare Shield |        |                                           |
|                                                               | 140                       | 140W/15289 <sup>3,8</sup>   |             |                      |                                               |          |                  |                     |          |                  | GS         | Glare Shield                       |        |                                           |
| 160                                                           | 160W/17470 <sup>3,8</sup> |                             |             |                      |                                               | RPM      | Round Pole Mount |                     |          | WG               | Wire Guard |                                    |        |                                           |
|                                                               |                           |                             |             |                      |                                               |          |                  |                     |          |                  |            |                                    | PIR    | Passive Infrared Sensor                   |
|                                                               |                           |                             |             |                      |                                               |          |                  |                     |          |                  |            |                                    | MS     | Motion Sensor (with Dimming) <sup>7</sup> |
|                                                               |                           |                             |             |                      |                                               |          |                  |                     |          |                  |            |                                    | SP     | Surge Protection 10kVa                    |
| *Requires additional control device, see Page 4 for more info |                           |                             |             |                      |                                               |          |                  |                     |          |                  |            |                                    |        |                                           |

<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> Only available in 100W and up

<sup>6</sup> DLC Listed

<sup>7</sup> 20 ft mounting height lens standard. Contact factory for higher mounting.

<sup>8</sup> Smart Dim Available

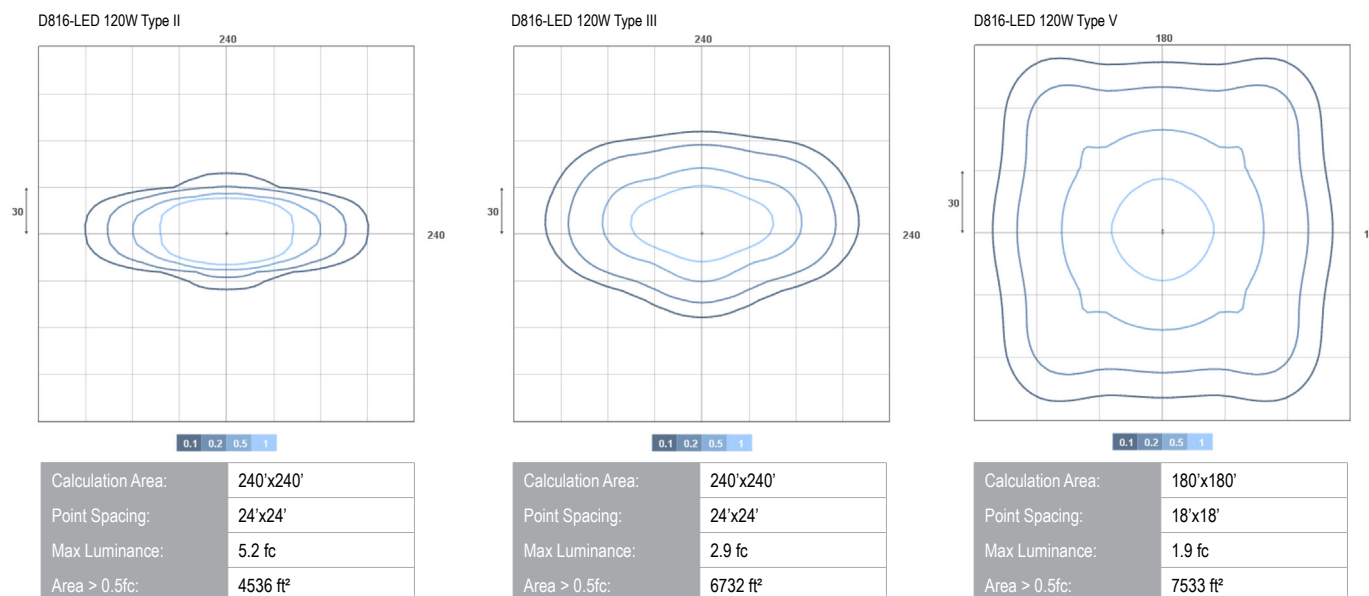
Deco Lighting practices a program of continuous product development, and as a result product specifications change frequently. We reserve the right to change product specifications without notice. Contact Deco for the latest product information.

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Rev Date: 3/14/17 #4

### Features

- Extruded silicone rubber gasket for long life
- Labeled UL 1598 listed for wet locations
- Standard color is bronze; also available in black and white. Contact factory for custom finishes.
- DLC Listed at 5000K (wattages listed are marked on ordering matrix)
- Dark Sky Friendly when used with Type III, V reflectors (at 90° full cutoff position) and 3000K
- Driver is fully accessible from below the ceiling or wall. Driver is wired for dimming or non-dimming.
- Surge protection 2kVa standard

### Photometric Data



### Performance Data

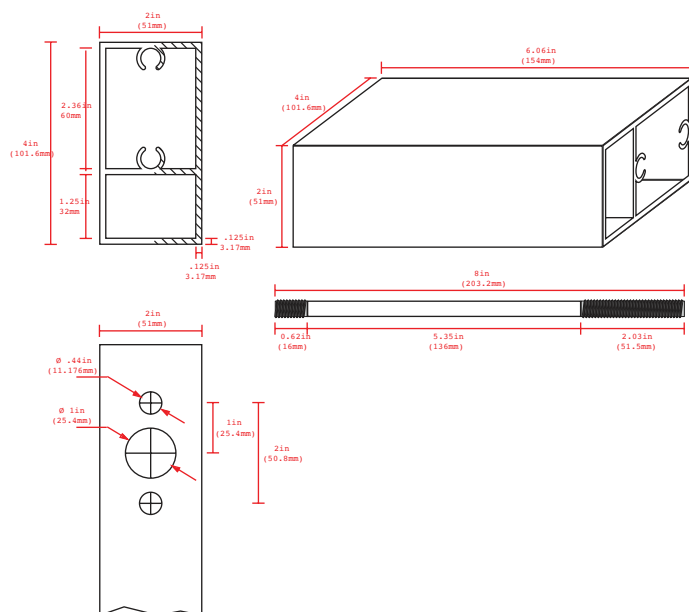
|                        |                                                   |    |    |    |
|------------------------|---------------------------------------------------|----|----|----|
| CRI:                   | 80+                                               |    |    |    |
| CCT:                   | 3000K, 3500K, 4000K, 5000K                        |    |    |    |
| Warranty:              | 10 yr. Limited Warranty                           |    |    |    |
| Dimming:               | Available with 0-10V inputs dimming down to 10%   |    |    |    |
| Operating Temperature: | -30°to + 55°C Max Ambient                         |    |    |    |
| L70 Rating:            | 100,000+ Hours                                    |    |    |    |
| EPA:                   | 0.96                                              |    |    |    |
| 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

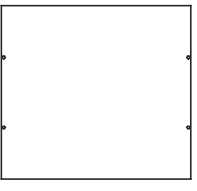
| HID to LED Replacement |       |                 |
|------------------------|-------|-----------------|
| DELIVERED LUMENS       | HID   | LED Replacement |
| 1300lm                 | 50W   | 10W             |
| 2600lm                 | 70W   | 20W             |
| 3900lm                 | 100W  | 30W             |
| 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.

### Pole Mount Drilling Pattern



### Options & Accessories

| Wire Guard                                                                          | Glare Shield                                                                        | Wall Mount Bracket                                                                  | Polycarbonate Lens Guard                                                             | 6" Mounting Arm                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  |  |  |  |  |
|   |  |  |  |                      |
| Heavy Duty Adjustable Arm                                                           | Yoke Mount                                                                          | External Mount Slip Fitter                                                          | Large Yoke Mount                                                                     | Safety Cable                                                                                              |

### 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