



# **DuroSite® LED High Bay**

## Technical Specification Sheet - Americas

# DuroSite® LED High Bay

## Technical Spec Sheet



### Certifications & Ratings

- 5 year warranty
- UL 1598
- CSA C22.2 No. 250
- Dry or damp locations
- DLC qualified product
- L70 @ 65,000 hours

### Mechanical Information:

#### Fixture weight\*:

|            |                |
|------------|----------------|
| 12" Model: | 10 lb (4.5 kg) |
| 18" Model: | 14 lb (6.4 kg) |
| 24" Model: | 18 lb (8.2 kg) |

\*Battery option is an additional 5 lb (2.3 kg)

#### Mounting:

V-hangers standard  
Cable suspension and hub/hook  
mount options available

#### Cable entry:

(3) 7/8" knockouts at top of fixture

### Variable Dimming:

**Variable Dimming Control:** 0-10 VDC standard, 10%-100%

### Electrical Specifications:

#### Operating Voltage:

120-277 VAC  
347 VAC  
480 VAC

#### Total system power consumption:

See table

#### Operating Temp:

-40°F to +104°F (-40°C to +40°C)

w/ Battery: +32°F to +104°F (0°C to +40°C)

#### Surge protection:

2.5kV

#### THD:

<20%

#### Power Factor:

>0.9

### Construction:

#### Finish:

Grey / White

### Photometric Information:

#### CRI:

80

#### CCT:

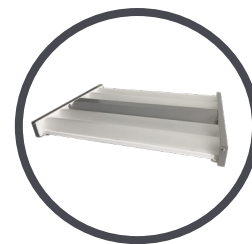
4000K  
5000K

All values typical unless otherwise stated (tolerance +/- 10%)

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### DuroSite® LED High Bay

#### Ordering Information



| Project Information |  |       | Specifications |  |
|---------------------|--|-------|----------------|--|
| Part Number:        |  |       |                |  |
| Project:            |  |       |                |  |
| Fixture Type:       |  | Date: |                |  |

### Ordering Information

| D                                | A                                | U     |               | W                                                              |           |               |                                                |          |                  |             |                | G        |         |
|----------------------------------|----------------------------------|-------|---------------|----------------------------------------------------------------|-----------|---------------|------------------------------------------------|----------|------------------|-------------|----------------|----------|---------|
| Product Code                     | Form Factor                      | Cert. | Lens Material | Optic                                                          | CRI & CCT | Oper. Voltage | Lumen Type                                     | Controls | Mounting Options | Power Cable | Elect. Access. | Coatings | Battery |
| <b>Product Code</b>              | <b>Optic</b>                     |       |               | <b>Lumen Type<sup>3</sup></b>                                  |           |               | <b>Power Cable</b>                             |          |                  |             |                |          |         |
| D DuroSite® High Bay             | W White Highly Reflective Paint  |       |               | A 12,000                                                       |           |               | V 8' Power Cord                                |          |                  |             |                |          |         |
|                                  |                                  |       |               | C 18,000                                                       |           |               | N No Cord                                      |          |                  |             |                |          |         |
|                                  |                                  |       |               | E 24,000                                                       |           |               |                                                |          |                  |             |                |          |         |
|                                  |                                  |       |               | F 30,000                                                       |           |               |                                                |          |                  |             |                |          |         |
|                                  |                                  |       |               | H 36,000                                                       |           |               |                                                |          |                  |             |                |          |         |
| <b>Form Factor</b>               | <b>CRI &amp; CCT<sup>2</sup></b> |       |               | <b>Controls</b>                                                |           |               | <b>Electrical Accessories</b>                  |          |                  |             |                |          |         |
| A 2' Model                       | C Cool White 5000K - 80 CRI      |       |               | D Driver with 0-10V Dimming                                    |           |               | 3 8' Cord with 120V Plug, NEMA Twistlock L5-15 |          |                  |             |                |          |         |
|                                  | N Neutral White 4000K - 80 CRI   |       |               | H Wattstopper FSP221B PIR Motion Sensor w/ Daylight Harvesting |           |               | 8 8' Cord with 277V Plug, NEMA Twistlock L7-15 |          |                  |             |                |          |         |
|                                  |                                  |       |               |                                                                |           |               | N No Plug                                      |          |                  |             |                |          |         |
| <b>Certification</b>             | <b>Operating Voltage</b>         |       |               | <b>Mounting Options</b>                                        |           |               | <b>Coatings</b>                                |          |                  |             |                |          |         |
| U UL / CSA                       | 2 120-277 VAC                    |       |               | D (2) Cable Suspension Kits - 10'                              |           |               | G White/Grey                                   |          |                  |             |                |          |         |
|                                  | B 347 VAC                        |       |               | U Cast Iron Hub & Junction Box for 3/4" Pendant Mount          |           |               |                                                |          |                  |             |                |          |         |
|                                  | D 480 VAC                        |       |               | V (2) V-Hangers - Standard                                     |           |               | <b>Battery</b>                                 |          |                  |             |                |          |         |
| <b>Lens Material<sup>1</sup></b> |                                  |       |               |                                                                |           |               | B 10-Watt Emergency Battery                    |          |                  |             |                |          |         |
| 3 Diffused Acrylic               |                                  |       |               |                                                                |           |               | N No Option                                    |          |                  |             |                |          |         |
| 5 Diffused Polycarbonate         |                                  |       |               |                                                                |           |               |                                                |          |                  |             |                |          |         |

| Notes                                                                  |
|------------------------------------------------------------------------|
| 1) For Diffused Polycarbonate Lens option, reduce nominal lumens by 5% |
| 2) For Cool White 5000K - 80 CRI option, increase nominal lumens by 3% |
| 3) Nominal lumens at 4000K with Diffused Acrylic Lens option.          |

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# DuroSite® LED High Bay

## Ordering Information

| LED High Bay                      |       |                |         |      |               |     |          |                  |
|-----------------------------------|-------|----------------|---------|------|---------------|-----|----------|------------------|
| Part Number                       | Width | Fixture Lumens | Wattage | lm/W | Lens          | CCT | Controls | Mounting         |
| 120-277 VAC Models                |       |                |         |      |               |     |          |                  |
| DAU-3WC2-ADV-N-NGN                | 12"   | 12,280         | 91      | 135  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WC2-CDV-N-NGN                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-5WC2-CDV-N-NGN                | 18"   | 17,620         | 126     | 140  | Polycarbonate | CW  | Dimming  | V-hangers        |
| DAU-3WC2-CDD-N-NGN                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | Dimming  | Cable Suspension |
| DAU-3WC2-EDV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-5WC2-EDV-N-NGN                | 18"   | 22,960         | 177     | 130  | Polycarbonate | CW  | Dimming  | V-hangers        |
| DAU-3WN2-EDV-N-NGN                | 18"   | 23,470         | 177     | 133  | Acrylic       | NW  | Dimming  | V-hangers        |
| DAU-5WN2-EDV-N-NGN                | 18"   | 22,290         | 177     | 126  | Polycarbonate | NW  | Dimming  | V-hangers        |
| DAU-3WC2-EDD-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | Dimming  | Cable Suspension |
| DAU-3WC2-FDV-N-NGN                | 24"   | 31,930         | 228     | 140  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WC2-FDD-N-NGN                | 24"   | 31,930         | 228     | 140  | Acrylic       | CW  | Dimming  | Cable Suspension |
| DAU-3WC2-HDV-N-NGN                | 24"   | 36,830         | 273     | 135  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WC2-CHV-N-NGN                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | FSP221B  | V-hangers        |
| DAU-3WC2-EHV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | FSP221B  | V-hangers        |
| DAU-5WC2-CHV-N-NGN                | 18"   | 17,620         | 126     | 140  | Polycarbonate | CW  | FSP221B  | V-hangers        |
| DAU-5WC2-EHV-N-NGN                | 18"   | 22,960         | 177     | 130  | Polycarbonate | CW  | FSP221B  | V-hangers        |
| 120-277 VAC Battery Backup Models |       |                |         |      |               |     |          |                  |
| DAU-3WC2-CDV-N-NGB                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WC2-EDV-N-NGB                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-5WC2-EDV-N-NGB                | 18"   | 22,960         | 177     | 130  | Polycarbonate | CW  | Dimming  | V-hangers        |
| DAU-3WC2-EHV-N-NGB                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | FSP221B  | V-hangers        |
| 347 VAC Models                    |       |                |         |      |               |     |          |                  |
| DAU-3WCB-CDV-N-NGN                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WCB-EDV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-5WCB-EDV-N-NGN                | 18"   | 22,960         | 177     | 130  | Polycarbonate | CW  | Dimming  | V-hangers        |
| DAU-3WCB-EHV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | FSP221B  | V-hangers        |
| 480 VAC Models                    |       |                |         |      |               |     |          |                  |
| DAU-3WCD-CDV-N-NGN                | 18"   | 18,540         | 126     | 147  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-3WCD-EDV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | Dimming  | V-hangers        |
| DAU-5WCD-EDV-N-NGN                | 18"   | 22,960         | 177     | 130  | Polycarbonate | CW  | Dimming  | V-hangers        |
| DAU-3WCD-EHV-N-NGN                | 18"   | 24,170         | 177     | 137  | Acrylic       | CW  | FSP221B  | V-hangers        |

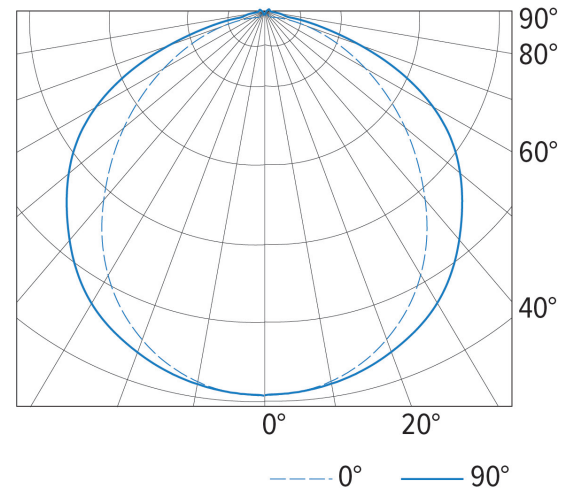
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### Beam Distribution

#### DAU-3WN2-EDVN-NGN

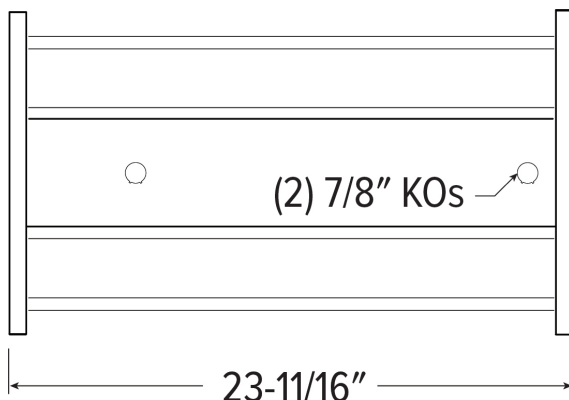
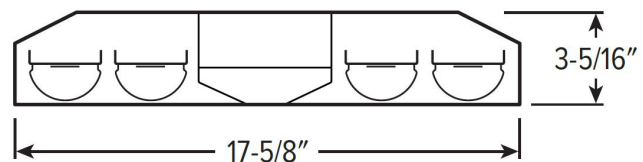
Total Luminaire Output = 23,470 Lumens, 176.8 Watts; Efficacy = 132.7 lm/W; 80 CRI; 4000K CCT

| Candlepower Distribution |                  |      |      |              |
|--------------------------|------------------|------|------|--------------|
| Vertical Angle           | Horizontal Angle |      |      | Zonal Lumens |
|                          | 0°               | 45°  | 90°  |              |
| 0                        | 7864             | 7864 | 7864 |              |
| 5                        | 7830             | 7838 | 7828 | 188          |
| 15                       | 7462             | 7557 | 7617 | 906          |
| 25                       | 6743             | 7012 | 7218 | 1499         |
| 35                       | 5682             | 6194 | 6579 | 1882         |
| 45                       | 4375             | 5143 | 5680 | 1983         |
| 55                       | 3108             | 4068 | 4699 | 1854         |
| 65                       | 1942             | 2930 | 3361 | 1507         |
| 75                       | 982              | 1717 | 1749 | 970          |
| 85                       | 267              | 619  | 733  | 421          |
| 90                       | 9                | 301  | 458  |              |



| Lumen Summary |        |           |
|---------------|--------|-----------|
| Zone          | Lumens | % Fixture |
| 0 - 40        | 9946   | 42        |
| 0 - 60        | 17436  | 74        |
| 0 - 90        | 22488  | 96        |
| 90 - 180      | 981    | 4         |
| 0 - 180       | 23470  | 100       |

### Dimensional Drawings

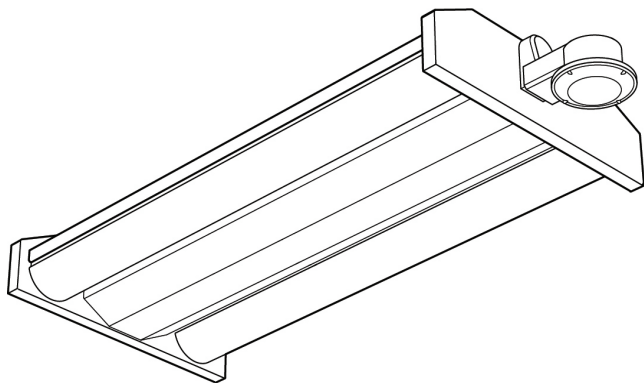


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Controls

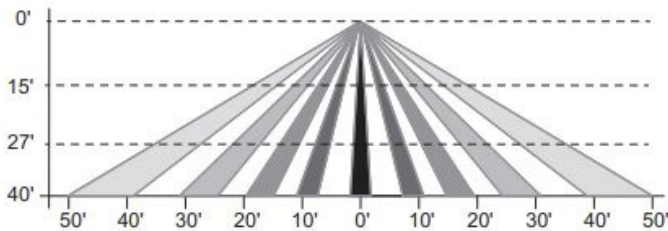
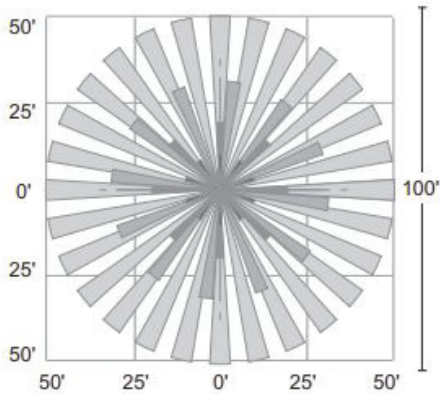
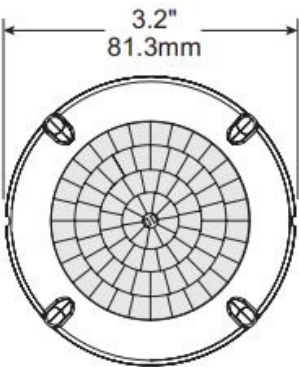
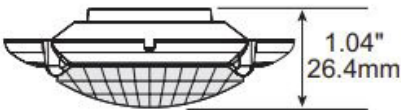
Sensor Option H: Wattstopper FSP221B PIR motion sensor with daylight harvesting

Sensor Placement



Specifications

|                   |                            |
|-------------------|----------------------------|
| Manufacturer      | Legrand Wattstopper        |
| Model             | FSP-221B-D-L7-W            |
| Mounting Height   | 8' - 40'                   |
| Maximum Coverage  | 100' diameter @ 40' height |
| Temperature Range | -40C - 75C                 |
| Commissioning     | FSIR-100 remote            |
| Ratings           | UL, eUL, CE, TUV, IP66     |



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## North American HQ

1501 Route 34 South  
Farmingdale, NJ 07727  
Tel: 732-919-3119  
Fax: 732-751-5778  
info@dialight.com

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