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**Exterior Building Color & Material Samples**

**Color Drawdowns**

**Archaeological Resources**

**Airport Vicinity Development Checklist**

**Parking Study**

**Trip Generation Comparison**

**Parking Master Plan**



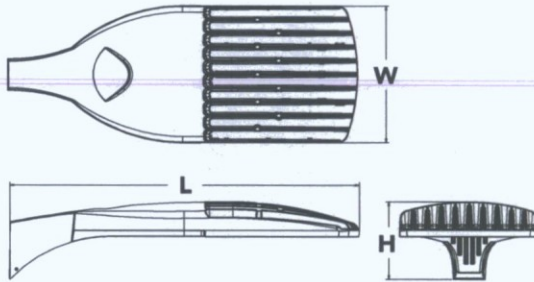
# D-Series Size 1 LED Area Luminaire



d<sup>series</sup>

## Specifications

<b>EPA:</b>	1.2 ft <sup>2</sup> (0.11 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)



Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

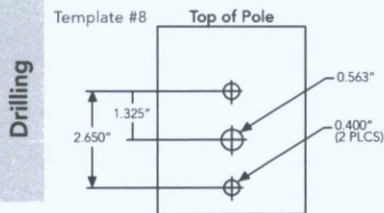
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 - 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish (required)
DSX1 LED	<b>Forward optics</b>	530 530 mA	30K 3000 K (80 CRI min.)	T1S Type I short	MVOLT <sup>3</sup>	<b>Shipped included</b>	<b>Shipped installed</b>	<b>Shipped installed</b>	DDBXD Dark bronze
	30C 30 LEDs (one engine)	700 700 mA	40K 4000 K (70 CRI min.)	T2S Type II short	120 <sup>3</sup>	SPA Square pole mounting	PER NEMA twist-lock receptacle only (no controls) <sup>7</sup>	HS House-side shield <sup>14</sup>	DBLXD Black
	40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K (70 CRI)	T2M Type II medium	208 <sup>3</sup>	RPA Round pole mounting	DMG 0-10V dimming driver (no controls) <sup>8</sup>	WTB Utility terminal block <sup>15</sup>	DNAXD Natural aluminum
	60C 60 LEDs (two engines)		AMBPC Amber phosphor converted <sup>2</sup>	T3S Type III short	240 <sup>3</sup>	WBA Wall bracket	DCR Dimmable and controllable via ROAM® (no controls) <sup>9</sup>	SF Single fuse (120, 277, 347V) <sup>16</sup>	DWHXD White
	<b>Rotated optics<sup>1</sup></b>			T3M Type III medium	277 <sup>3</sup>	SPUMBA Square pole universal mounting adaptor <sup>5</sup>	DS Dual switching <sup>10,11</sup>	DF Double fuse (208, 240, 480V) <sup>16</sup>	DBLTXD Textured dark bronze
	60C 60 LEDs (two engines)			T4M Type IV medium	347 <sup>4</sup>	RPUMBA Round pole universal mounting adaptor <sup>5</sup>	PIR Motion sensor, 8-15' mounting height <sup>12</sup>	L90 Left rotated optics <sup>17</sup>	DNATXD Textured natural aluminum
				TFTM Forward throw medium	480 <sup>4</sup>	<b>Shipped separately<sup>6</sup></b>	PIRH Motion sensor, 15-30' mounting height <sup>12</sup>	R90 Right rotated optics <sup>17</sup>	DWHGXD Textured white
				TSVS Type V very short		KMA8 Mast arm mounting bracket adaptor (specify finish)	BL30 Bi-level switched dimming, 30% <sup>11,13</sup>		
				TSS Type V short		DDBXD U	BL50 Bi-level switched dimming, 50% <sup>11,13</sup>		
				TSM Type V medium					
				TSW Type V wide					



<b>Drilling</b>	Template #8	Top of Pole
<b>Accessories</b> <small>Ordered and shipped separately.</small>	DLL127F 1.5 CU JU Photocell - SSL twist-lock (120-277V) <sup>11</sup>	
	DLL347F 1.5 CU JU Photocell - SSL twist-lock (347V) <sup>11</sup>	
	DLL480F 1.5 CU JU Photocell - SSL twist-lock (480V) <sup>11</sup>	
	SC U Shorting cap <sup>18</sup>	
	DSX1HS 30C U House-side shield for 30 LED unit	
	DSX1HS 40C U House-side shield for 40 LED unit	
	DSX1HS 60C U House-side shield for 60 LED unit	
	PUMBA DDBXD U <sup>14</sup> Square and round pole universal mounting bracket adaptor (specify finish)	
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>14</sup>	

For more control options, visit D11 and R90A online.

DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS Single unit	DM29AS 2 at 90°*
DM28AS 2 at 180°	DM39AS 3 at 90°*
DM49AS 4 at 90°*	DM32AS 3 at 120°**

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.  
\*\*For round pole mounting (RPA) only.

## Tenon Mounting Slipfitter \*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## NOTES

- Rotated optics only available with 60C.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530, or 60C 530 DS). Not available with DCR, BL30 or BL50.
- Available as a separate combination accessory: PUMBA (finish) U.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- DMG option for 347v or 480v requires 1000mA
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with BL30, BL50, DS, PIR or PIRH.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WT, PIR, or PIRH.
- Requires an additional switched circuit.
- PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details.
- Dimming driver standard. Not available with DS or DCR.
- Dimming driver standard. MVOLT only. Not available with DCR.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Control.



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06/16/16

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/-10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 80 minimum CRI)					40K (4000 K, 70 minimum CRI)					50K (5000 K, 70 CRI)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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				30C (30 LEDs) <tr> <td rowspan="18">30C (30 LEDs)</td> <td rowspan="9">700 mA</td> <td rowspan="9">68 W</td> <td>T1S</td><td>5,290</td><td>1</td><td>0</td><td>1</td><td>78</td><td>6,524</td><td>2</td><td>0</td><td>2</td><td>96</td><td>7,053</td><td>2</td><td>0</td><td>2</td><td>104</td> </tr> <tr> <td>T2S</td><td>5,540</td><td>1</td><td>0</td><td>1</td><td>81</td><td>6,833</td><td>2</td><td>0</td><td>2</td><td>100</td><td>7,387</td><td>2</td><td>0</td><td>2</td><td>109</td> </tr> <tr> <td>T2M</td><td>5,360</td><td>1</td><td>0</td><td>2</td><td>79</td><td>6,611</td><td>2</td><td>0</td><td>2</td><td>97</td><td>7,147</td><td>2</td><td>0</td><td>2</td><td>105</td> </tr> <tr> <td>T3S</td><td>5,479</td><td>1</td><td>0</td><td>1</td><td>81</td><td>6,757</td><td>1</td><td>0</td><td>2</td><td>99</td><td>7,305</td><td>2</td><td>0</td><td>2</td><td>107</td> </tr> <tr> <td>T3M</td><td>5,452</td><td>1</td><td>0</td><td>2</td><td>80</td><td>6,724</td><td>2</td><td>0</td><td>2</td><td>99</td><td>7,269</td><td>2</td><td>0</td><td>2</td><td>107</td> </tr> <tr> <td>T4M</td><td>5,461</td><td>1</td><td>0</td><td>2</td><td>80</td><td>6,736</td><td>2</td><td>0</td><td>2</td><td>99</td><td>7,282</td><td>2</td><td>0</td><td>2</td><td>107</td> </tr> <tr> <td>TFTM</td><td>5,378</td><td>1</td><td>0</td><td>2</td><td>79</td><td>6,633</td><td>1</td><td>0</td><td>2</td><td>98</td><td>7,171</td><td>1</td><td>0</td><td>2</td><td>105</td> </tr> <tr> <td>TSVS</td><td>5,708</td><td>2</td><td>0</td><td>0</td><td>84</td><td>7,040</td><td>3</td><td>0</td><td>0</td><td>104</td><td>7,611</td><td>3</td><td>0</td><td>1</td><td>112</td> </tr> <tr> <td>TSS</td><td>5,639</td><td>2</td><td>0</td><td>0</td><td>83</td><td>6,955</td><td>2</td><td>0</td><td>0</td><td>102</td><td>7,519</td><td>3</td><td>0</td><td>0</td><td>111</td> </tr> <tr> <td>T5M</td><td>5,710</td><td>3</td><td>0</td><td>1</td><td>84</td><td>7,042</td><td>3</td><td>0</td><td>1</td><td>104</td><td>7,613</td><td>3</td><td>0</td><td>2</td><td>112</td> </tr> <tr> <td>TSW</td><td>5,551</td><td>3</td><td>0</td><td>1</td><td>82</td><td>6,847</td><td>3</td><td>0</td><td>2</td><td>101</td><td>7,401</td><td>3</td><td>0</td><td>2</td><td>109</td> </tr> <tr> <td rowspan="9">1000 mA</td> <td rowspan="9">105 W</td> <td>T1S</td><td>7,229</td><td>2</td><td>0</td><td>2</td><td>69</td><td>9,168</td><td>2</td><td>0</td><td>2</td><td>87</td><td>9,874</td><td>2</td><td>0</td><td>2</td><td>94</td> </tr> <tr> <td>T2S</td><td>7,572</td><td>2</td><td>0</td><td>2</td><td>72</td><td>9,603</td><td>2</td><td>0</td><td>2</td><td>91</td><td>10,342</td><td>2</td><td>0</td><td>2</td><td>98</td> </tr> <tr> <td>T2M</td><td>7,325</td><td>2</td><td>0</td><td>2</td><td>70</td><td>9,291</td><td>2</td><td>0</td><td>2</td><td>88</td><td>10,005</td><td>2</td><td>0</td><td>3</td><td>95</td> </tr> <tr> <td>T3S</td><td>7,488</td><td>2</td><td>0</td><td>2</td><td>71</td><td>9,496</td><td>2</td><td>0</td><td>2</td><td>90</td><td>10,227</td><td>2</td><td>0</td><td>2</td><td>97</td> </tr> <tr> <td>T3M</td><td>7,451</td><td>2</td><td>0</td><td>2</td><td>71</td><td>9,450</td><td>2</td><td>0</td><td>2</td><td>90</td><td>10,177</td><td>2</td><td>0</td><td>2</td><td>97</td> </tr> <tr> <td>T4M</td><td>7,464</td><td>2</td><td>0</td><td>2</td><td>71</td><td>9,467</td><td>2</td><td>0</td><td>2</td><td>90</td><td>10,195</td><td>2</td><td>0</td><td>2</td><td>97</td> </tr> <tr> <td>TFTM</td><td>7,351</td><td>1</td><td>0</td><td>2</td><td>70</td><td>9,323</td><td>2</td><td>0</td><td>2</td><td>89</td><td>10,040</td><td>2</td><td>0</td><td>3</td><td>96</td> </tr> <tr> <td>TSVS</td><td>7,801</td><td>3</td><td>0</td><td>1</td><td>74</td><td>9,894</td><td>3</td><td>0</td><td>1</td><td>94</td><td>10,655</td><td>3</td><td>0</td><td>1</td><td>101</td> </tr> <tr> <td>TSS</td><td>7,803</td><td>3</td><td>0</td><td>2</td><td>74</td><td>9,774</td><td>3</td><td>0</td><td>1</td><td>93</td><td>10,526</td><td>3</td><td>0</td><td>1</td><td>100</td> </tr> <tr> <td>T5M</td><td>7,707</td><td>3</td><td>0</td><td>0</td><td>73</td><td>9,897</td><td>3</td><td>0</td><td>2</td><td>94</td><td>10,658</td><td>4</td><td>0</td><td>2</td><td>102</td> </tr> <tr> <td>TSW</td><td>7,586</td><td>3</td><td>0</td><td>2</td><td>72</td><td>9,621</td><td>4</td><td>0</td><td>2</td><td>92</td><td>10,363</td><td>4</td><td>0</td><td>2</td><td>99</td> </tr> 40C (40 LEDs) <tr> <td rowspan="18">40C (40 LEDs)</td> <td rowspan="9">700 mA</td> <td rowspan="9">89 W</td> <td>T1S</td><td>6,876</td><td>2</td><td>0</td><td>2</td><td>77</td><td>8,639</td><td>2</td><td>0</td><td>2</td><td>97</td><td>9,345</td><td>2</td><td>0</td><td>2</td><td>105</td> </tr> <tr> <td>T2S</td><td>7,202</td><td>2</td><td>0</td><td>2</td><td>81</td><td>9,049</td><td>2</td><td>0</td><td>2</td><td>102</td><td>9,788</td><td>2</td><td>0</td><td>2</td><td>110</td> </tr> <tr> <td>T2M</td><td>6,968</td><td>2</td><td>0</td><td>2</td><td>78</td><td>8,755</td><td>2</td><td>0</td><td>2</td><td>98</td><td>9,469</td><td>2</td><td>0</td><td>3</td><td>106</td> </tr> <tr> <td>T3S</td><td>7,122</td><td>2</td><td>0</td><td>2</td><td>80</td><td>8,948</td><td>2</td><td>0</td><td>2</td><td>101</td><td>9,679</td><td>2</td><td>0</td><td>2</td><td>109</td> </tr> <tr> <td>T3M</td><td>7,088</td><td>2</td><td>0</td><td>2</td><td>80</td><td>8,905</td><td>2</td><td>0</td><td>2</td><td>100</td><td>9,632</td><td>2</td><td>0</td><td>2</td><td>108</td> </tr> <tr> <td>T4M</td><td>7,100</td><td>2</td><td>0</td><td>2</td><td>80</td><td>8,920</td><td>2</td><td>0</td><td>2</td><td>100</td><td>9,649</td><td>2</td><td>0</td><td>2</td><td>108</td> </tr> <tr> <td>TFTM</td><td>6,992</td><td>1</td><td>0</td><td>2</td><td>79</td><td>8,785</td><td>2</td><td>0</td><td>2</td><td>99</td><td>9,502</td><td>2</td><td>0</td><td>2</td><td>107</td> </tr> <tr> <td>TSVS</td><td>7,421</td><td>3</td><td>0</td><td>0</td><td>83</td><td>9,323</td><td>3</td><td>0</td><td>1</td><td>105</td><td>10,085</td><td>3</td><td>0</td><td>1</td><td>113</td> </tr> <tr> <td>TSS</td><td>7,331</td><td>2</td><td>0</td><td>0</td><td>82</td><td>9,210</td><td>3</td><td>0</td><td>1</td><td>103</td><td>9,962</td><td>3</td><td>0</td><td>1</td><td>112</td> </tr> <tr> <td>T5M</td><td>7,423</td><td>3</td><td>0</td><td>2</td><td>83</td><td>9,326</td><td>3</td><td>0</td><td>2</td><td>105</td><td>10,087</td><td>4</td><td>0</td><td>2</td><td>113</td> </tr> <tr> <td>TSW</td><td>7,216</td><td>3</td><td>0</td><td>2</td><td>81</td><td>9,066</td><td>4</td><td>0</td><td>2</td><td>102</td><td>9,807</td><td>4</td><td>0</td><td>2</td><td>110</td> </tr> <tr> <td rowspan="9">1000 mA</td> <td rowspan="9">138 W</td> <td>T1S</td><td>9,521</td><td>2</td><td>0</td><td>2</td><td>69</td><td>11,970</td><td>2</td><td>0</td><td>2</td><td>87</td><td>12,871</td><td>3</td><td>3</td><td>0</td><td>93</td> </tr> <tr> <td>T2S</td><td>9,972</td><td>2</td><td>0</td><td>2</td><td>72</td><td>12,558</td><td>3</td><td>0</td><td>3</td><td>91</td><td>13,481</td><td>3</td><td>0</td><td>3</td><td>98</td> </tr> <tr> <td>T2M</td><td>9,648</td><td>2</td><td>0</td><td>3</td><td>70</td><td>12,149</td><td>3</td><td>0</td><td>3</td><td>88</td><td>13,043</td><td>3</td><td>0</td><td>3</td><td>95</td> </tr> <tr> <td>T3S</td><td>9,862</td><td>2</td><td>0</td><td>2</td><td>71</td><td>12,418</td><td>2</td><td>0</td><td>2</td><td>90</td><td>13,331</td><td>2</td><td>0</td><td>2</td><td>97</td> </tr> <tr> <td>T3M</td><td>9,814</td><td>2</td><td>0</td><td>2</td><td>71</td><td>12,358</td><td>3</td><td>0</td><td>3</td><td>90</td><td>13,267</td><td>3</td><td>0</td><td>3</td><td>96</td> </tr> <tr> <td>T4M</td><td>9,831</td><td>2</td><td>0</td><td>2</td><td>71</td><td>12,379</td><td>2</td><td>0</td><td>3</td><td>90</td><td>13,290</td><td>2</td><td>0</td><td>3</td><td>96</td> </tr> <tr> <td>TFTM</td><td>9,681</td><td>2</td><td>0</td><td>2</td><td>70</td><td>12,191</td><td>2</td><td>0</td><td>3</td><td>88</td><td>13,087</td><td>2</td><td>0</td><td>3</td><td>95</td> </tr> <tr> <td>TSVS</td><td>10,275</td><td>3</td><td>0</td><td>1</td><td>74</td><td>12,937</td><td>3</td><td>0</td><td>1</td><td>94</td><td>13,890</td><td>4</td><td>0</td><td>1</td><td>101</td> </tr> <tr> <td>TSS</td><td>10,150</td><td>3</td><td>0</td><td>1</td><td>74</td><td>12,782</td><td>3</td><td>0</td><td>1</td><td>93</td><td>13,721</td><td>3</td><td>0</td><td>1</td><td>99</td> </tr> <tr> <td>T5M</td><td>10,278</td><td>4</td><td>0</td><td>2</td><td>74</td><td>12,942</td><td>4</td><td>0</td><td>2</td><td>94</td><td>13,894</td><td>4</td><td>0</td><td>2</td><td>101</td> </tr> <tr> <td>TSW</td><td>9,991</td><td>4</td><td>0</td><td>2</td><td>72</td><td>12,582</td><td>4</td><td>0</td><td>2</td><td>91</td><td>13,507</td><td>4</td><td>0</td><td>2</td><td>98</td> </tr> 60C (60 LEDs) <tr> <td rowspan="18">60C (60 LEDs)</td> <td rowspan="9">700 mA</td> <td rowspan="9">131 W</td> <td>T1S</td><td>10,226</td><td>2</td><td>0</td><td>2</td><td>78</td><td>12,871</td><td>3</td><td>0</td><td>3</td><td>98</td><td>13,929</td><td>3</td><td>0</td><td>3</td><td>106</td> </tr> <tr> <td>T2S</td><td>10,711</td><td>2</td><td>0</td><td>2</td><td>82</td><td>13,481</td><td>3</td><td>0</td><td>3</td><td>103</td><td>14,589</td><td>3</td><td>0</td><td>3</td><td>111</td> </tr> <tr> <td>T2M</td><td>10,363</td><td>2</td><td>0</td><td>3</td><td>79</td><td>13,043</td><td>3</td><td>0</td><td>3</td><td>100</td><td>14,115</td><td>3</td><td>0</td><td>3</td><td>108</td> </tr> <tr> <td>T3S</td><td>10,592</td><td>2</td><td>0</td><td>2</td><td>81</td><td>13,331</td><td>2</td><td>0</td><td>2</td><td>102</td><td>14,427</td><td>3</td><td>0</td><td>3</td><td>110</td> </tr> <tr> <td>T3M</td><td>10,541</td><td>2</td><td>0</td><td>2</td><td>80</td><td>13,267</td><td>3</td><td>0</td><td>3</td><td>101</td><td>14,357</td><td>3</td><td>0</td><td>3</td><td>110</td> </tr> <tr> <td>T4M</td><td>10,559</td><td>2</td><td>0</td><td>2</td><td>81</td><td>13,290</td><td>2</td><td>0</td><td>3</td><td>101</td><td>14,382</td><td>3</td><td>0</td><td>3</td><td>110</td> </tr> <tr> <td>TFTM</td><td>10,398</td><td>2</td><td>0</td><td>3</td><td>79</td><td>13,087</td><td>2</td><td>0</td><td>3</td><td>100</td><td>14,163</td><td>2</td><td>0</td><td>3</td><td>108</td> </tr> <tr> <td>TSVS</td><td>11,036</td><td>3</td><td>0</td><td>1</td><td>84</td><td>13,890</td><td>4</td><td>0</td><td>4</td><td>106</td><td>15,032</td><td>4</td><td>0</td><td>1</td><td>115</td> </tr> <tr> <td>TSS</td><td>10,902</td><td>3</td><td>0</td><td>1</td><td>83</td><td>13,721</td><td>3</td><td>0</td><td>1</td><td>105</td><td>14,849</td><td>4</td><td>0</td><td>1</td><td>113</td> </tr> <tr> <td>T5M</td><td>11,039</td><td>4</td><td>0</td><td>2</td><td>84</td><td>13,894</td><td>4</td><td>0</td><td>2</td><td>106</td><td>15,036</td><td>4</td><td>0</td><td>2</td><td>115</td> </tr> <tr> <td>TSW</td><td>10,732</td><td>4</td><td>0</td><td>2</td><td>82</td><td>13,507</td><td>4</td><td>0</td><td>2</td><td>103</td><td>14,617</td><td>4</td><td>0</td><td>2</td><td>112</td> </tr> <tr> <td rowspan="9">1000 mA</td> <td rowspan="9">209 W</td> <td>T1S</td><td>14,017</td><td>3</td><td>0</td><td>3</td><td>67</td><td>17,632</td><td>3</td><td>0</td><td>3</td><td>84</td><td>19,007</td><td>3</td><td>0</td><td>3</td><td>91</td> </tr> <tr> <td>T2S</td><td>14,681</td><td>3</td><td>0</td><td>3</td><td>70</td><td>18,467</td><td>3</td><td>0</td><td>3</td><td>88</td><td>19,908</td><td>3</td><td>0</td><td>3</td><td>95</td> </tr> <tr> <td>T2M</td><td>14,204</td><td>3</td><td>0</td><td>3</td><td>68</td><td>17,867</td><td>3</td><td>0</td><td>3</td><td>85</td><td>19,260</td><td>3</td><td>0</td><td>3</td><td>92</td> </tr> <tr> <td>T3S</td><td>14,518</td><td>3</td><td>0</td><td>3</td><td>69</td><td>18,262</td><td>3</td><td>0</td><td>3</td><td>87</td><td>19,687</td><td>3</td><td>0</td><td>3</td><td>94</td> </tr> <tr> <td>T3M</td><td>14,448</td><td>3</td><td>0</td><td>3</td><td>69</td><td>18,173</td><td>3</td><td>0</td><td>4</td><td>87</td><td>19,591</td><td>3</td><td>0</td><td>4</td><td>94</td> </tr> <tr> <td>T4M</td><td>14,473</td><td>3</td><td>0</td><td>3</td><td>69</td><td>18,205</td><td>3</td><td>0</td><td>3</td><td>87</td><td>19,625</td><td>3</td><td>0</td><td>4</td><td>94</td> </tr> <tr> <td>TFTM</td><td>14,253</td><td>2</td><td>0</td><td>3</td><td>68</td><td>17,928</td><td>3</td><td>0</td><td>4</td><td>86</td><td>19,326</td><td>3</td><td>0</td><td>4</td><td>92</td> </tr> <tr> <td>TSVS</td><td>15,127</td><td>4</td><td>0</td><td>1</td><td>72</td><td>19,028</td><td>4</td><td>0</td><td>1</td><td>91</td><td>20,512</td><td>4</td><td>0</td><td>1</td><td>98</td> </tr> <tr> <td>TSS</td><td>14,943</td><td>4</td><td>0</td><td>1</td><td>71</td><td>18,797</td><td>4</td><td>0</td><td>1</td><td>90</td><td>20,263</td><td>4</td><td>0</td><td>1</td><td>97</td> </tr> <tr> <td>T5M</td><td>15,131</td><td>4</td><td>0</td><td>2</td><td>72</td><td>19,033</td><td>4</td><td>0</td><td>2</td><td>91</td><td>20,517</td><td>5</td><td>0</td><td>3</td><td>98</td> </tr> <tr> <td>TSW</td><td>14,710</td><td>4</td><td>0</td><td>2</td><td>70</td><td>18,503</td><td>5</td><td>0</td><td>3</td><td>89</td><td>19,946</td><td>5</td><td>0</td><td>3</td><td>95</td> </tr>																30C (30 LEDs)	700 mA	68 W	T1S	5,290	1	0	1	78	6,524	2	0	2	96	7,053	2	0	2	104	T2S	5,540	1	0	1	81	6,833	2	0	2	100	7,387	2	0	2	109	T2M	5,360	1	0	2	79	6,611	2	0	2	97	7,147	2	0	2	105	T3S	5,479	1	0	1	81	6,757	1	0	2	99	7,305	2	0	2	107	T3M	5,452	1	0	2	80	6,724	2	0	2	99	7,269	2	0	2	107	T4M	5,461	1	0	2	80	6,736	2	0	2	99	7,282	2	0	2	107	TFTM	5,378	1	0	2	79	6,633	1	0	2	98	7,171	1	0	2	105	TSVS	5,708	2	0	0	84	7,040	3	0	0	104	7,611	3	0	1	112	TSS	5,639	2	0	0	83	6,955	2	0	0	102	7,519	3	0	0	111	T5M	5,710	3	0	1	84	7,042	3	0	1	104	7,613	3	0	2	112	TSW	5,551	3	0	1	82	6,847	3	0	2	101	7,401	3	0	2	109	1000 mA	105 W	T1S	7,229	2	0	2	69	9,168	2	0	2	87	9,874	2	0	2	94	T2S	7,572	2	0	2	72	9,603	2	0	2	91	10,342	2	0	2	98	T2M	7,325	2	0	2	70	9,291	2	0	2	88	10,005	2	0	3	95	T3S	7,488	2	0	2	71	9,496	2	0	2	90	10,227	2	0	2	97	T3M	7,451	2	0	2	71	9,450	2	0	2	90	10,177	2	0	2	97	T4M	7,464	2	0	2	71	9,467	2	0	2	90	10,195	2	0	2	97	TFTM	7,351	1	0	2	70	9,323	2	0	2	89	10,040	2	0	3	96	TSVS	7,801	3	0	1	74	9,894	3	0	1	94	10,655	3	0	1	101	TSS	7,803	3	0	2	74	9,774	3	0	1	93	10,526	3	0	1	100	T5M	7,707	3	0	0	73	9,897	3	0	2	94	10,658	4	0	2	102	TSW	7,586	3	0	2	72	9,621	4	0	2	92	10,363	4	0	2	99	40C (40 LEDs)	700 mA	89 W	T1S	6,876	2	0	2	77	8,639	2	0	2	97	9,345	2	0	2	105	T2S	7,202	2	0	2	81	9,049	2	0	2	102	9,788	2	0	2	110	T2M	6,968	2	0	2	78	8,755	2	0	2	98	9,469	2	0	3	106	T3S	7,122	2	0	2	80	8,948	2	0	2	101	9,679	2	0	2	109	T3M	7,088	2	0	2	80	8,905	2	0	2	100	9,632	2	0	2	108	T4M	7,100	2	0	2	80	8,920	2	0	2	100	9,649	2	0	2	108	TFTM	6,992	1	0	2	79	8,785	2	0	2	99	9,502	2	0	2	107	TSVS	7,421	3	0	0	83	9,323	3	0	1	105	10,085	3	0	1	113	TSS	7,331	2	0	0	82	9,210	3	0	1	103	9,962	3	0	1	112	T5M	7,423	3	0	2	83	9,326	3	0	2	105	10,087	4	0	2	113	TSW	7,216	3	0	2	81	9,066	4	0	2	102	9,807	4	0	2	110	1000 mA	138 W	T1S	9,521	2	0	2	69	11,970	2	0	2	87	12,871	3	3	0	93	T2S	9,972	2	0	2	72	12,558	3	0	3	91	13,481	3	0	3	98	T2M	9,648	2	0	3	70	12,149	3	0	3	88	13,043	3	0	3	95	T3S	9,862	2	0	2	71	12,418	2	0	2	90	13,331	2	0	2	97	T3M	9,814	2	0	2	71	12,358	3	0	3	90	13,267	3	0	3	96	T4M	9,831	2	0	2	71	12,379	2	0	3	90	13,290	2	0	3	96	TFTM	9,681	2	0	2	70	12,191	2	0	3	88	13,087	2	0	3	95	TSVS	10,275	3	0	1	74	12,937	3	0	1	94	13,890	4	0	1	101	TSS	10,150	3	0	1	74	12,782	3	0	1	93	13,721	3	0	1	99	T5M	10,278	4	0	2	74	12,942	4	0	2	94	13,894	4	0	2	101	TSW	9,991	4	0	2	72	12,582	4	0	2	91	13,507	4	0	2	98	60C (60 LEDs)	700 mA	131 W	T1S	10,226	2	0	2	78	12,871	3	0	3	98	13,929	3	0	3	106	T2S	10,711	2	0	2	82	13,481	3	0	3	103	14,589	3	0	3	111	T2M	10,363	2	0	3	79	13,043	3	0	3	100	14,115	3	0	3	108	T3S	10,592	2	0	2	81	13,331	2	0	2	102	14,427	3	0	3	110	T3M	10,541	2	0	2	80	13,267	3	0	3	101	14,357	3	0	3	110	T4M	10,559	2	0	2	81	13,290	2	0	3	101	14,382	3	0	3	110	TFTM	10,398	2	0	3	79	13,087	2	0	3	100	14,163	2	0	3	108	TSVS	11,036	3	0	1	84	13,890	4	0	4	106	15,032	4	0	1	115	TSS	10,902	3	0	1	83	13,721	3	0	1	105	14,849	4	0	1	113	T5M	11,039	4	0	2	84	13,894	4	0	2	106	15,036	4	0	2	115	TSW	10,732	4	0	2	82	13,507	4	0	2	103	14,617	4	0	2	112	1000 mA	209 W	T1S	14,017	3	0	3	67	17,632	3	0	3	84	19,007	3	0	3	91	T2S	14,681	3	0	3	70	18,467	3	0	3	88	19,908	3	0	3	95	T2M	14,204	3	0	3	68	17,867	3	0	3	85	19,260	3	0	3	92	T3S	14,518	3	0	3	69	18,262	3	0	3	87	19,687	3	0	3	94	T3M	14,448	3	0	3	69	18,173	3	0	4	87	19,591	3	0	4	94	T4M	14,473	3	0	3	69	18,205	3	0	3	87	19,625	3	0	4	94	TFTM	14,253	2	0	3	68	17,928	3	0	4	86	19,326	3	0	4	92	TSVS	15,127	4	0	1	72	19,028	4	0	1	91	20,512	4	0	1	98	TSS	14,943	4	0	1	71	18,797	4	0	1	90	20,263	4	0	1	97	T5M	15,131	4	0	2	72	19,033	4	0	2	91	20,517	5	0	3	98	TSW	14,710	4	0	2	70	18,503	5	0	3	89	19,946
30C (30 LEDs)	700 mA	68 W	T1S	5,290	1	0	1	78	6,524	2	0	2	96	7,053	2	0	2	104																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T2S	5,540	1	0	1	81	6,833	2	0	2	100	7,387	2	0	2	109																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T2M	5,360	1	0	2	79	6,611	2	0	2	97	7,147	2	0	2	105																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T3S	5,479	1	0	1	81	6,757	1	0	2	99	7,305	2	0	2	107																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T3M	5,452	1	0	2	80	6,724	2	0	2	99	7,269	2	0	2	107																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T4M	5,461	1	0	2	80	6,736	2	0	2	99	7,282	2	0	2	107																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			TFTM	5,378	1	0	2	79	6,633	1	0	2	98	7,171	1	0	2	105																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			TSVS	5,708	2	0	0	84	7,040	3	0	0	104	7,611	3	0	1	112																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			TSS	5,639	2	0	0	83	6,955	2	0	0	102	7,519	3	0	0	111																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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			TSVS	11,036	3	0	1	84	13,890	4	0	4	106	15,032	4	0	1	115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			TSS	10,902	3	0	1	83	13,721	3	0	1	105	14,849	4	0	1	113																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	T5M	11,039	4	0	2	84	13,894	4	0	2	106	15,036	4	0	2	115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	TSW	10,732	4	0	2	82	13,507	4	0	2	103	14,617	4	0	2	112																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	1000 mA	209 W	T1S	14,017	3	0	3	67	17,632	3	0	3	84	19,007	3	0	3	91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T2S	14,681	3	0	3	70	18,467	3	0	3	88	19,908	3	0	3	95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T2M	14,204	3	0	3	68	17,867	3	0	3	85	19,260	3	0	3	92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T3S	14,518	3	0	3	69	18,262	3	0	3	87	19,687	3	0	3	94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T3M	14,448	3	0	3	69	18,173	3	0	4	87	19,591	3	0	4	94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			T4M	14,473	3	0	3	69	18,205	3	0	3	87	19,625	3	0	4	94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			TFTM	14,253	2	0	3	68	17,928	3	0	4	86	19,326	3	0	4	92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
TSVS			15,127	4	0	1	72	19,028	4	0	1	91	20,512	4	0	1	98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TSS			14,943	4	0	1	71	18,797	4	0	1	90	20,263	4	0	1	97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
T5M	15,131	4	0	2	72	19,033	4	0	2	91	20,517	5	0	3	98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
TSW	14,710	4	0	2	70	18,503	5	0	3	89	19,946	5	0	3	95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

**Note:** Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	—	—
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.95	0.93	0.88
	DSX1 LED 60C 700			
	1.0	0.99	0.98	0.96

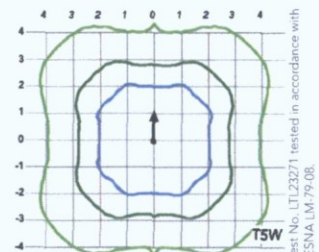
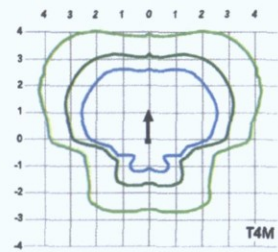
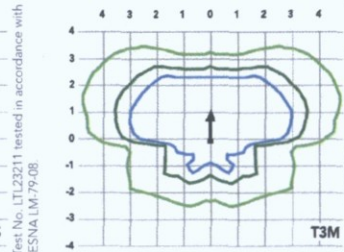
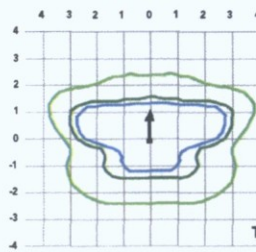
### Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isfootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').

#### LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



## FEATURES & SPECIFICATIONS

#### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

#### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.2 ft²) for optimized pole wind loading.

#### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

#### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

#### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an

expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

#### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

#### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

#### WARRANTY

Five-year limited warranty. Full warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Specifications subject to change without notice.





# D-Series Size 1 LED Wall Luminaire



DESIGNLIGHTS  
CONSORTIUM



Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

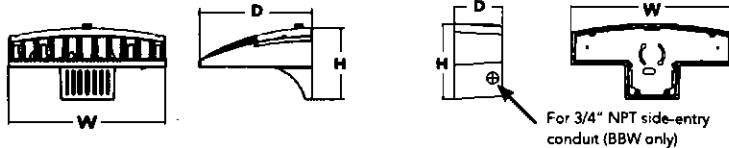
d<sup>®</sup>series

## Specifications Luminaire

<b>Width:</b>	13-3/4" (34.9 cm)	<b>Weight:</b>	12 lbs (5.4 kg)
<b>Depth:</b>	10" (25.4 cm)		
<b>Height:</b>	6-3/8" (16.2 cm)		

## Back Box (BBW, ELCW)

<b>Width:</b>	13-3/4" (34.9 cm)	<b>BBW Weight:</b>	5 lbs (2.3 kg)
<b>Depth:</b>	4" (10.2 cm)	<b>ELCW Weight:</b>	10 lbs (4.5 kg)
<b>Height:</b>	6-3/8" (16.2 cm)		



## Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

## Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DBBXTD

Series	Performance Package	Distribution	Voltage	Mounting	Control Options	Other Options	Finish (required)
DSXW1 LED	<b>LEDs</b> 10C 10 LEDs (one engine) 20C 20 LEDs (two engines) <b>Drive current</b> 350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) <b>Color temperature</b> 30K 3000K 40K 4000K 50K 5000K	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT <sup>1</sup> 120 <sup>1</sup> 208 <sup>1</sup> 240 <sup>1</sup> 277 <sup>1</sup>	<b>Shipped included</b> (blank) Surface mounting bracket <b>BBW</b> Surface-mounted back box (for conduit entry) <sup>2</sup>	<b>Shipped installed</b> PE Photoelectric cell, button type <sup>3</sup> DMG 0-10V dimming driver (no controls) PIR 180° motion/ambient light sensor, <15' mtg ht <sup>4,6</sup> PIRH 180° motion/ambient light sensor, 15-30' mtg ht <sup>5,6</sup> ELCW Emergency battery backup (includes external component enclosure) <sup>7</sup>	<b>Shipped installed</b> SF Single fuse (120, 277V) <sup>8</sup> DF Double fuse (208, 240V) <sup>8</sup> HS House-side shield <sup>9</sup> <b>Shipped separately</b> BSW Bird-deterrent spikes <sup>9</sup> WG Wire guard <sup>9</sup> VG Vandal guard <sup>9</sup>	DBBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240 or 277 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Specifies the Sensor Switch SBR-10-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard.
- Specifies the Sensor Switch SBR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard.
- Not available with 20 LED/1000 mA configuration (DSXW1 LED 20C 1000).
- Not compatible with conduit entry applications. Not available with BBW mounting option.
- Single fuse (SF) requires 120 or 277 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- Also available as a separate accessory; see Accessories information.

### Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 65 CRI)						
					Lumens	B	U	G	PW	Lumens	B	U	G	PW		
															10C (10 LEDs)	
10C (10 LEDs)	530	10C 530--K	20 W	T2S	1724	1	0	1	86	1807	1	0	1	90		
				T2M	1729	1	0	1	86	1812	1	0	1	91		
				T3S	1709	1	0	1	85	1792	1	0	1	90		
				T3M	1753	1	0	1	88	1838	1	0	1	92		
				T4M	1753	1	0	1	88	1837	1	0	1	92		
	TFTM	1766	1	0	1	88	1851	1	0	1	93					
	700	10C 700--K	27 W	T2S	2234	1	0	1	83	2341	1	0	1	87		
				T2M	2241	1	0	1	83	2349	1	0	1	87		
				T3S	2216	1	0	1	82	2322	1	0	1	86		
				T3M	2272	1	0	1	84	2381	1	0	1	88		
T4M				2272	1	0	1	84	2381	1	0	1	88			
20C (20 LEDs)	530	20C 530--K	36 W	T2S	2289	1	0	1	85	2399	1	0	1	89		
				T2M	2292	1	0	1	75	3136	1	0	1	78		
				T3S	3001	1	0	1	75	3146	1	0	1	79		
				T3M	2967	1	0	1	74	3110	1	0	1	78		
				T4M	3043	1	0	1	76	3189	1	0	1	80		
	700	20C 700--K	47 W	T2S	3043	1	0	1	76	3189	1	0	1	80		
				T3M	3043	1	0	1	76	3189	1	0	1	80		
				T4M	3043	1	0	1	76	3189	1	0	1	80		
				TFTM	3066	1	0	1	77	3213	1	0	1	80		
				1000	20C 1000--K	75 W	T2S	3545	1	0	1	98	3715	1	0	1
T2M	3556	1	0				1	99	3727	1	0	1	104			
T3S	3515	1	0				1	98	3685	1	0	1	102			
T3M	3606	1	0				2	100	3779	1	0	2	105			
T4M	3605	1	0				1	100	3779	1	0	1	105			
TFTM	3632	1	0				1	101	3807	1	0	1	106			
530	20C 530--K	36 W	T2S				4357	1	0	1	93	4566	1	0	1	97
			T2M				4370	1	0	1	93	4580	1	0	1	97
			T3S				4320	1	0	1	92	4528	1	0	1	96
			T3M				4431	1	0	2	94	4644	1	0	2	99
			T4M	4430	1	0	1	94	4644	1	0	2	99			
700	20C 700--K	47 W	T2S	4464	1	0	1	95	4678	1	0	1	100			
			T2M	5745	2	0	2	77	6020	2	0	2	80			
			T3S	5763	1	0	2	77	6039	2	0	2	81			
			T3M	5697	1	0	1	76	5970	1	0	2	80			
			T4M	5843	1	0	2	78	6123	2	0	2	82			
1000	20C 1000--K	75 W	T2S	5843	1	0	2	78	6123	2	0	2	82			
			T3M	5843	1	0	2	78	6123	2	0	2	82			
			T4M	5843	1	0	2	78	6123	2	0	2	82			
			TFTM	5887	1	0	2	78	6169	2	0	2	82			

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.98

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW1 LED 20C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

### Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	75 W	0.69	0.40	0.35	0.30	-	-

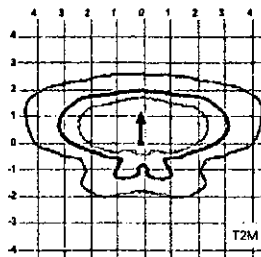
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

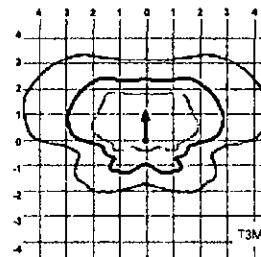
Isocandela plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').

#### LEGEND

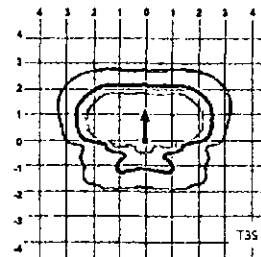
- 0.1 fc
- 0.5 fc
- 1.0 fc



Test No. 2260P22 tested in accordance with IESNA LM-79-08.



Test No. 2260P22 tested in accordance with IESNA LM-79-08.

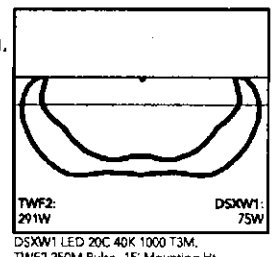


Test No. 2260P22 tested in accordance with IESNA LM-79-08.

Distribution overlay comparison to 250W metal halide.

#### LEGEND

- DSXW1, 0.5 fc
- TWF2, 0.5 fc



## FEATURES & SPECIFICATIONS

#### INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

#### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants.

#### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

#### OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000K (80 min. CRI),

4000K (70 min. CRI) or 5000K (65 min. CRI) configurations.

#### ELECTRICAL

Light engine(s) consist of 10 high-efficiency LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours. Surge protection device meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

#### INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

#### LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

#### WARRANTY

Five year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**Note:** Specifications subject to change without notice.



Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.  
**CONSTRUCTION** — 16-gauge galvanized steel mounting/plaster frame with trim clips to mount open conical shape reflector.

Vertically adjustable mounting brackets that use 16-gauge flat bar hangers (included), 1/2" conduit or C channel T-bar fasteners. Provides 3-3/4" total adjustment.

Post installation adjustment possible from above or below the ceiling.

Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 90°C.

Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Maximum 1-1/2" ceiling thickness.

**OPTICS** — LED light source with diffused lens, recessed in a deep reflector with a 55-degree cutoff. Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control.

Anodized trim colors for open and wallwash reflectors are available in clear, pewter, wheat or gold. White polyester powder coat also available.

Minimum CRI of 80.

**ELECTRICAL** — High-efficiency, 0-10V dimming driver mounted to the junction box, dims luminaire to 10% of its light output. 1% dimming option available (see EZ1 ordering options below).

Dimming fixture requires two (2) additional low-voltage wires to be pulled.

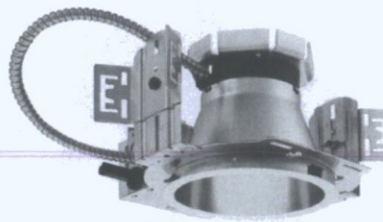
For compatible dimmers and dimming range, refer to Dimmer Compatibility Chart on page 4.

The system maintains 70% lumen output for more than 50,000 hours.

**LISTINGS** — CSA certified to US and Canadian safety standards. Open downlight (LO6): Wet location listed. Wallwash downlight (LW6): Rated for damp and dry locations only. ENERGY STAR® certified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

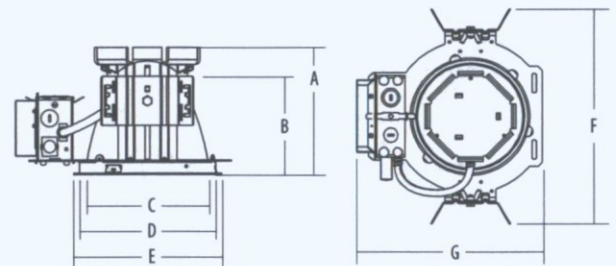
Note: Specifications subject to change without notice.



LDN6 35/15 L06AR 120

# LDN6

6" OPEN and WALLWASH LED  
 Non-IC  
 New Construction Downlight



Overall height varies by lumen package. Reference dimension chart for details.

Maximum Overall Dimensions — All dimensions are inches (centimeters) unless otherwise indicated.							
Lumen package	(A) Height	(B) Frame height	(C) Aperture	(D) Ceiling opening	(E) Outside diameter	(F) Width	(G) Length
600 lm	6-7/16 (16.4)	5-3/4 (14.6)	6-15/16 (17.6)	7-1/8 (18.1)	7-1/2 (19.1)	12-15/16 (32.8)	10-15/16 (27.8)
1000 lm							
1500 lm							
2000 lm	7-13/16 (19.9)						

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR 120

LDN6 Series	Color temperature	Lumens <sup>1,2</sup>	Reflector	Trim color	Finish	Voltage	Options
LDN6	27/ 2700 K	06 600 lumens	L06 Open downlight	AR Clear	(blank) Semi-specular	120	EL Emergency battery pack with integral test switch <sup>4</sup>
	30/ 3000 K	10 1000 lumens	LW6 Wallwash downlight <sup>3</sup>	PR Pewter	LD Matte-diffuse	277	ELR Emergency battery pack with remote test switch <sup>4</sup>
	35/ 3500 K			WTR Wheat		347 <sup>5</sup>	SF Single fuse
	40/ 4000 K	15 1500 lumens	GR Gold	LS Specular		TRW White painted flange <sup>7</sup>	
	20 2000 lumens	WR White <sup>4</sup>	TRBL Black painted flange				
							NEPP Interface for Sensor Switch® nLight® network provided with integral power supply. Refer to <a href="#">TN-623-01</a> . <sup>8</sup>
							RRL RELOC®-ready luminaire connectors enables a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.
							EZ1 eldoLED dims to 1%
							CP Chicago plenum <sup>5,9</sup>

Accessories: Order as separate catalog number.

<a href="#">FAC ISSM 375</a>	Compact interruptible emergency AC power system
<a href="#">FAC ISSM 125</a>	Compact interruptible emergency AC power system
NSPS D ER KIT	Sensor Switch nLight secondary relay and dimming pack device used to switch and dim luminaires powered via an emergency circuit. Refer to <a href="#">NSPS D ER KIT</a> .
GRA68 JZ	Oversized trim ring with 8" outside diameter <sup>10</sup>
SCA6	Sloped ceiling adapter. Refer to <a href="#">TECH-SCA</a> for more options.

### Notes

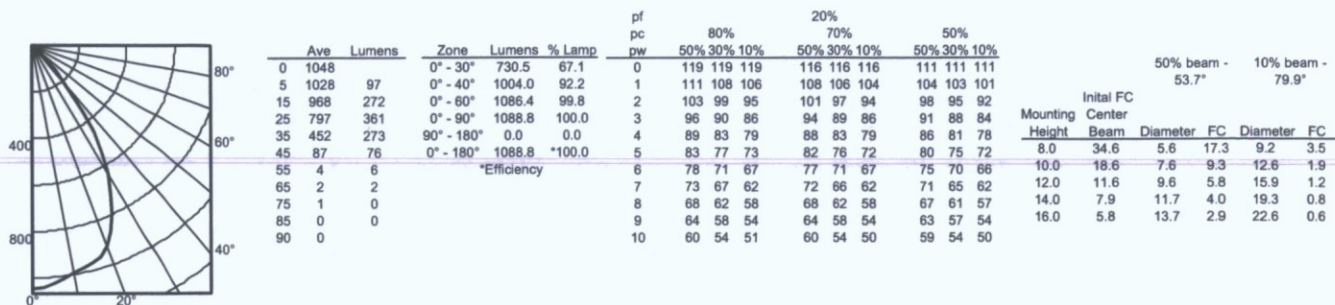
- Approximate lumen output.
- Overall height varies by lumen package. Reference dimension chart on page 1.
- Rated for damp and dry locations only.
- Not available with finishes.
- Not available with emergency options.
- For dimensional changes, refer to chart on page 4. Not available with CP option.
- Not available with WR (white trim color).
- For emergency generator/inverter applications order non-nLight enabled fixture and NSPS D ER KIT as an accessory. Refer to [NSPS D ER KIT](#).
- 277 volt CP products require marked spacing. Install with minimal spacing between: (a) Center-to-center of adjacent luminaires: 2 ft.; (b) Top of luminaire to overhead building member: 3 in.; (c) Luminaire center to side of building member: 1 ft.
- Refer to [TECH-GOOF RINGS](#) for more options.

# LDN6

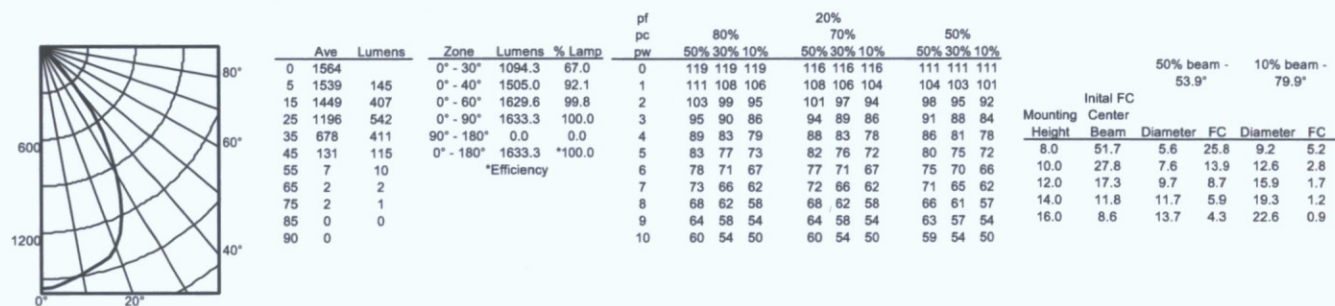
## PHOTOMETRY

Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance Data at 30" Above Floor for a Single Luminaire

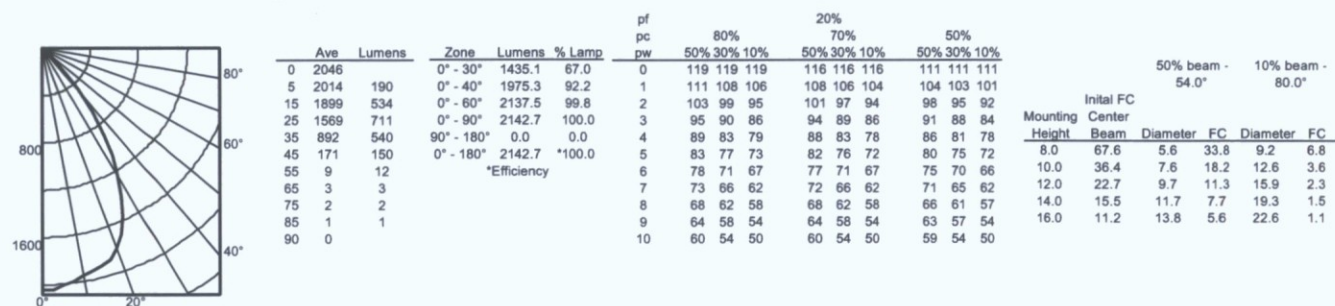
**LDN6 35/10 LO6AR 120**, input watts: 18, delivered lumens: 1089, LM/W = 61, spacing criterion at 0 = 1.03, test no. LTL25148SL.



**LDN6 35/15 LO6AR 120**, input watts: 26, delivered lumens: 1633, LM/W = 63, spacing criterion at 0 = 1.03, test no. LTL25146.



**LDN6 35/20 LO6AR 120**, input watts: 35, delivered lumens: 2143, LM/W = 61, spacing criterion at 0 = 1.04, test no. LTL25144.



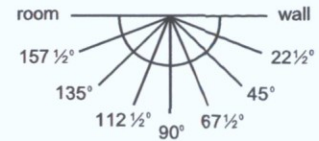
### Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%.
- CRI: 80 typical.



**TECHNICAL INFORMATION**

Footcandle values are initial and tables are based on minimum of six units. For fixture-to-wall distance other than those shown, use maximum of one-to-one spacing (distance between fixtures not more than distance to wall) for best results.



**Candlepower Data**

**Footcandle values**

**LDN6 35/10 LW6AR 120**, input watts: 18, delivered lumens: 1090, LM/W = 61, test no. LTL25147.

Vertical Angle	Plane angle							
	Wall	22.5	45	67.5	90	112.5	135	157.5
0	888	888	888	888	888	888	888	888
5	813	811	824	854	875	902	922	926
15	652	675	728	803	862	905	930	935
25	488	524	601	678	723	748	749	741
35	319	355	387	414	409	407	409	403
45	241	229	190	139	87	76	76	74
55	181	172	114	40	9	5	7	8
65	139	117	57	11	1	2	3	4
75	74	57	19	3	2	2	3	2
85	19	13	0	0	0	0	0	0
90	5	6	0	0	0	0	0	0

ft. from ceiling	Wallwash Illuminance Study (fc)								
	Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires		
	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall
	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	10	8	10	9	5	9	9	2	9
2	15	15	15	13	10	13	12	6	12
3	15	14	15	12	10	12	10	7	10
4	13	14	13	10	11	10	8	8	8
5	12	13	12	9	10	9	7	8	7
6	12	12	12	8	9	8	7	7	7
7	10	10	10	8	8	8	6	6	6
8	9	9	9	7	7	7	5	5	5
9	8	8	8	6	6	6	5	5	5
10	6	6	6	5	5	5	4	4	4

**LDN6 35/15 LW6AR 120**, input watts: 26, delivered lumens: 1639, LM/W = 63, test no. LTL25145.

Vertical Angle	Plane angle							
	Wall	22.5	45	67.5	90	112.5	135	157.5
0	1312	1312	1312	1312	1312	1312	1312	1312
5	1198	1187	1202	1244	1285	1326	1371	1409
15	956	976	1052	1153	1246	1333	1403	1438
25	697	720	837	953	1028	1082	1109	1126
35	442	482	548	586	583	590	612	623
45	348	336	303	222	132	105	112	115
55	283	269	196	80	19	8	10	11
65	230	191	102	22	3	2	3	6
75	121	88	30	1	1	1	1	4
85	30	18	1	1	0	0	0	0
90	5	6	0	2	1	1	1	0

ft. from ceiling	Wallwash Illuminance Study (fc)								
	Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires		
	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall
	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	17	13	17	16	7	16	15	4	15
2	24	24	24	20	16	20	19	10	19
3	22	22	22	17	16	17	15	11	15
4	20	21	20	14	16	14	12	12	12
5	18	19	18	13	15	13	10	12	10
6	17	17	17	12	13	12	9	11	9
7	15	15	15	11	11	11	9	9	9
8	13	13	13	10	10	10	8	8	8
9	11	11	11	8	8	8	7	7	7
10	9	9	9	7	7	7	6	6	6

**LDN6 35/20 LW6AR 120**, input watts: 35, delivered lumens: 2137, LM/W = 61, test no. LTL25143.

Vertical Angle	Plane angle							
	Wall	22.5	45	67.5	90	112.5	135	157.5
0	1712	1712	1712	1712	1712	1712	1712	1712
5	1566	1544	1598	1633	1710	1739	1783	1806
15	1254	1276	1394	1533	1658	1755	1811	1834
25	913	956	1140	1307	1420	1489	1512	1521
35	592	654	766	839	851	852	855	861
45	446	425	402	325	215	170	167	167
55	335	317	248	115	32	13	12	14
65	251	213	129	35	5	4	5	5
75	121	92	39	4	1	1	1	3
85	24	14	2	0	1	0	0	0
90	1	1	1	0	1	1	1	0

ft. from ceiling	Wallwash Illuminance Study (fc)								
	Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires			Illuminance on wall from 6 luminaires		
	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall	Luminaire mounted 3 ft. from wall
	3 ft. between luminaires			4 ft. between luminaires			5 ft. between luminaires		
	3	3.5	4	3	3.5	4	3	3.5	4
1	17	13	17	16	7	16	16	4	16
2	28	27	28	23	18	23	22	11	22
3	28	27	28	22	19	22	19	14	19
4	26	27	26	19	20	19	16	15	16
5	24	25	24	17	20	17	13	16	13
6	22	22	22	16	17	16	12	15	12
7	20	20	20	15	15	15	11	13	11
8	17	17	17	13	13	13	10	11	10
9	15	15	15	11	11	11	9	9	9
10	13	13	12	10	10	10	8	8	8

**Notes**

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%.
- CRI: 80 typical.



**ADDITIONAL DATA**

DIMMER COMPATIBILITY CHART	
Manufacturer	Model/Series
<b>600 &amp; 1000 Lumen products</b>	
Leviton	IlumaTech - IP710-DLX
Lutron	Nova T - NTFTV-WH <i>For on/off control, this switch requires a power pack. Consult Lutron for more information.</i>
Sensor Switch	nPODM DX
Synergy	ISD BC 120/277
<b>1500 &amp; 2000 Lumen products</b>	
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IlumaTech - IP710-DLX
Lightolier Controls	ZP600FAM120
Lutron Electronics	Nova T - NTFTV
	Diva - DTV
	Diva - NFTV
	GraphicEye - GRX-TVI w GRX3503
	Energy Savr Node - QSN-4T16-S
TVM2 Module	
Merten	5729
Pass & Seymour	CD4FB-W
Sensor Switch	nPODM DX
Synergy	ISD BC 120/277
The Watt Stopper	DCLV1

EL/ELR AVAILABILITY/COMPATIBILITY - INITIAL LUMENS			
Lumen package	Watts	Initial lumens EL/ELR	Emergency LED driver
600	12	500	PS1030
1000	18	575	PS1030
1500	26	640	Bodine BSL17C-C2
2000	35	690	Bodine BSL17C-C2

EL/ELR DIMENSIONAL CHANGES	
Add to overall housing length for EL/ELR option	Overall housing width with EL/ELR option
4-1/2	16-1/2

KEY SPECIFICATION SUMMARY				
Product Description	Watts (W)	Delivered lumens (lm)	Efficacy (lm/W)	Spacing criteria (s/mh)
LDN6 35/06 L06AR	12	670	56	1.03
LDN6 35/10 L06AR	18	1090	61	1.03
LDN6 35/15 L06AR	26	1640	63	1.03
LDN6 35/20 L06AR	35	2140	61	1.04



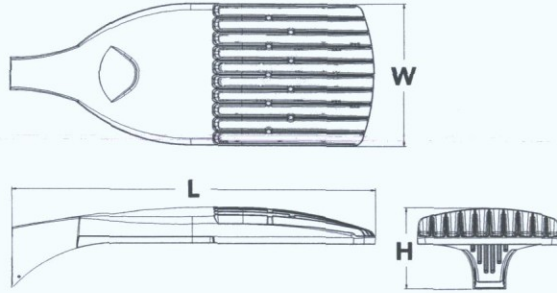
# D-Series Size 1 LED Area Luminaire

d<sup>series</sup>



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)



Catalog Number

Notes

Type

Hit the tabs or mouse over the page to view all interactive elements.

## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

### DSX1LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	
DSX1 LED	<b>Forward optics</b>	530 530 mA	30K 3000 K	T1S Type I short	TSS Type V short	MVOLT <sup>5</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>
	30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II short	TSM Type V medium	120 <sup>5</sup>	
	40C 40 LEDs (two engines)	1000 1000 mA (1 A) <sup>2</sup>	50K 5000 K	T2M Type II medium	TSW Type V wide	208 <sup>5</sup>	
	60C 60 LEDs (two engines)		AMBPC Amber phosphor converted <sup>3</sup>	BLC Backlight control <sup>2,4</sup>	240 <sup>5</sup>		
	<b>Rotated optics<sup>1</sup></b>			T3S Type III short	LCCO Left corner cutoff <sup>2,4</sup>	277 <sup>5</sup>	
	60C 60 LEDs (two engines)			T3M Type III medium	RCCO Right corner cutoff <sup>2,4</sup>	347 <sup>6</sup>	
				T4M Type IV medium		480 <sup>6</sup>	
				TFTM Forward throw medium			
				T5VS Type V very short			

Control options	Other options	Finish (as ordered)
<b>Shipped installed</b>	<b>Shipped installed</b>	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) <sup>9</sup>	HS House-side shield <sup>19</sup>	DBLXD Black
PERS Five-wire receptacle only (no controls) <sup>9,10</sup>	WTB Utility terminal block <sup>20</sup>	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup>	SF Single fuse (120, 277, 347V) <sup>21</sup>	DWHXD White
DMG 0-10V dimming driver (no controls) <sup>11</sup>	DF Double fuse (208, 240, 480V) <sup>21</sup>	DDBTXD Textured dark bronze
DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup>	L90 Left rotated optics <sup>22</sup>	DBLBXD Textured black
DS Dual switching <sup>13,14</sup>	R90 Right rotated optics <sup>22</sup>	DNATXD Textured natural aluminum
PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup>	R90 Right rotated optics <sup>22</sup>	DWHGXD Textured white
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>15</sup>	BS Bird spikes <sup>23</sup>	
PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>		

## Controls & Shields

<b>Accessories</b> Ordered and shipped separately.	DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>24</sup>
	DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>24</sup>
	DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>24</sup>
	DSHORT SBK U Shorting cap <sup>24</sup>
	DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>
	DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>
	DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>
	PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>25</sup>
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>
	DSXB1S U Bird spikes

### NOTES

- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory, for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PERS, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the Sensor Switch Sensor-110-010P control; PIRH and PIRH1FC3V specify the Sensor Switch Sensor-110-010P control; see Acuity Brands Controls Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Also available as a separate accessory; see accessories information.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.



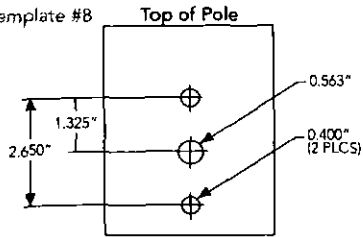
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DSX1-LED  
Rev. 07/20/16

**27-DR-2016**  
**8/11/2016**

## Drilling

Template #8



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90°*
DM28AS	2 at 180°	DM39AS	3 at 90°*
DM49AS	4 at 90°*	DM32AS	3 at 120°**

Example: SSA 20 4C DM19AS DDBXD

Visit [LithoniaLighting.com](http://LithoniaLighting.com) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.  
\*\*For round pole mounting (RPA) only.

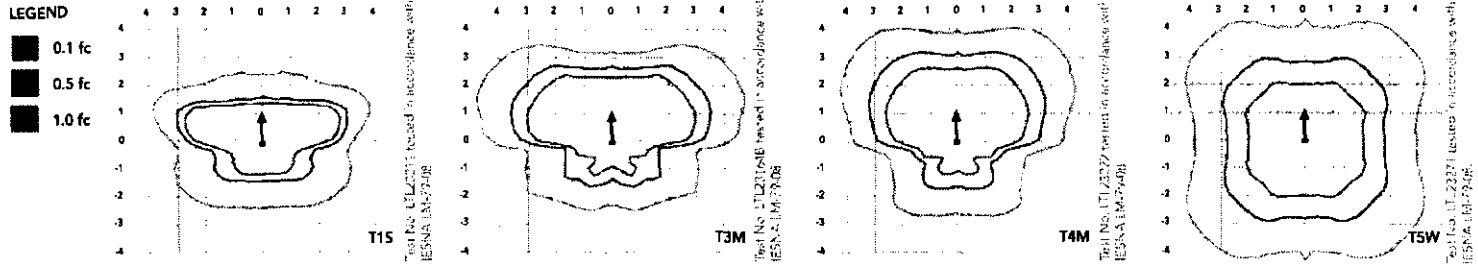
## Tenon Mounting Slipfitter \*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [LithoniaLighting.com](http://LithoniaLighting.com) under the Acuity Brands logo.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.02
10°C / 50°F	1.01
20°C / 68°F	1.00
25°C / 77°F	1.00
30°C / 86°F	1.00
40°C / 104°F	0.99

### Electrical Load

Number of LEDs	Inrush Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	DSX1 LED 60C 1000		
		0.98	0.96	0.91
Lumen Maintenance Factor	1.0	DSX1 LED 60C 700		
		0.99	0.99	0.99



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

### Forward Optics

LEDs	Drive Current (mA)	System Walls	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converter)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	2	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			TSS	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			TSM	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			TSW	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0
	T2S	7,789			2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
	T2M	7,610			1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
	T3S	7,601			1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670			1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69
	T4M	7,774			1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69
	TFTM	7,658			1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68
	TSVS	8,090			2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72
	TSS	8,150			2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72
	TSM	8,164			3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72
	TSW	8,044			3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70
	BLC	6,028			1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96					
	LCCO	5,856			1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93					
	RCCO	5,856			1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93					
	1000 mA	105 W			T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106			
			T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
T2M			10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107						
T3S			10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107						
T3M			10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108						
T4M			10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109						
TFTM			10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108						
TSVS			11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114						
TSS			11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115						
TSM			11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115						
TSW			11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113						
BLC			7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82						
LCCO			7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80						
RCCO			7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80						



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)				40K (4000 K, 70 CRI)				50K (5000 K, 70 CRI)				AMPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76
			TSS	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75
			TSM	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99					
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
	T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70		
	T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70		
	TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
	TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
	TSS	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
	TSM	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
	TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
	BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
	LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110							
	T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108							
	T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108							
	T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109							
	T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110							
	TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108							
	TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115							
TSS	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
TSM	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82								
LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)				40K (4000 K, 70 CRI)				50K (5000 K, 70 CRI)				AMRPC (Amber Phosphor Converter)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			FTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			TSS	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			TSM	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
	T5W	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76		
	BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101							
	LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98							
	RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98							
	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68		
	T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72		
	T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69		
	T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71		
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
FTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69			
TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74			
TSS	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73			
TSM	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74			
T5W	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72			
BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97								
LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94								
RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94								
T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104								
T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107								
T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105								
T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105								
T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105								
T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107								
FTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105								
TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111								
TSS	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
TSM	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
T5W	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.dlc.com](http://www.dlc.com) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.lithonia.com/customer-service/warranty](http://www.lithonia.com/customer-service/warranty)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





# D-Series Size 1 LED Wall Luminaire



Catalog Number
Notes
Type

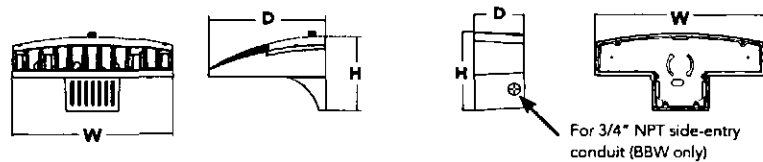
d<sup>2</sup>series

## Specifications Luminaire

<b>Width:</b>	13-3/4" (34.9 cm)	<b>Weight:</b>	12 lbs (5.4 kg)
<b>Depth:</b>	10" (25.4 cm)		
<b>Height:</b>	6-3/8" (16.2 cm)		

## Back Box (BBW, ELCW)

<b>Width:</b>	13-3/4" (34.9 cm)	<b>BBW Weight:</b>	5 lbs (2.3 kg)
<b>Depth:</b>	4" (10.2 cm)	<b>ELCW Weight:</b>	10 lbs (4.5 kg)
<b>Height:</b>	6-3/8" (16.2 cm)		



## Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

## Ordering Information

**EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DBTXD**

### DSXW1 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine)	350 350 mA 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT <sup>1</sup> 120 <sup>2</sup> 208 <sup>2</sup> 240 <sup>2</sup> 277 <sup>2</sup> 347 <sup>2</sup> 480 <sup>2</sup>	<b>Shipped included</b> (blank) Surface mounting bracket <b>BBW</b> Surface-mounted back box (for conduit entry) <sup>3</sup>	<b>Shipped installed</b> PE Photoelectric cell, button type <sup>4</sup> DMG 0-10V dimming driver (no controls) PIR 180° motion/ambient light sensor, <15' mtg ht <sup>5</sup> PIRH 180° motion/ambient light sensor, 15-30' mtg ht <sup>5</sup> PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>5</sup> PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>5</sup> ELCW Emergency battery backup (includes external component enclosure) <sup>6</sup>
	20C 20 LEDs (two engines)	1000 1000 mA (1 A)	AMBPC Amber phosphor converted				

### Other Options

#### Shipped installed

SF	Single fuse (120, 277 or 347V) <sup>7</sup>
DF	Double fuse (208, 240 or 480V) <sup>7</sup>
HS	House-side shield <sup>8</sup>
SPD	Separate surge protection <sup>9</sup>

#### Shipped separately<sup>8</sup>

BSW	Bird-deterrent spikes
WG	Wire guard
VG	Vandal guard
DDL	Diffused drop lens

### Finish (required)

DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white
DBLXD	Black	DBBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DNAXD	Natural aluminum	DBLBXD	Textured black		
DWHXD	White	DNATXD	Textured natural aluminum		

## Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- PIR and PIR1FC3V specifies the Sensor with 1fc control; PIRH specifies the Sensor with 1fc control; see Motion/Outdoor/Garden for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with 20 LED/1000 mA configuration (DSXW1 LED 20C 1000).
- Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at [www.lithonia.com](http://www.lithonia.com).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option. Not available with ELCW.
- Also available as a separate accessory; see Accessories information.
- See the electrical section on page 3 for more details.





# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watt:	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	R	U	G	LPW	Lumens	R	U	G	LPW	Lumens	B	U	G	LPW
(10 LEDs)	350mA	14W	T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	104	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TF1M	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
	530 mA	20W	ASVDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
			T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	1	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	1	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	1	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	99	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
	700 mA	27W	TF1M	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
			ASVDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	1	0	1	99	1,127	0	0	1	56
			T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	1	0	1	105	1,544	0	0	1	57
			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	1	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	1	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	1	0	1	103	1,512	0	0	1	56
	1000 mA	40W	T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	1	0	1	101	1,481	0	0	1	55
			TF1M	2,614	1	0	1	97	2,807	1	0	1	104	2,825	1	0	1	105	1,539	0	0	1	57
			ASVDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	0	0	1	51
			T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
(20 LEDs)	350mA	24W	T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TF1M	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
			ASVDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
			T2S	2,820	1	0	1	118	3,028	1	0	1	126	3,047	1	0	1	127	1,777	1	0	1	74
			T2M	2,688	1	0	1	112	2,886	1	0	1	120	2,904	1	0	1	121	1,693	1	0	1	71
	530 mA	36W	T3S	2,789	1	0	1	116	2,995	1	0	2	125	3,013	1	0	2	126	1,757	0	0	1	73
			T3M	2,761	1	0	1	115	2,964	1	0	2	124	2,983	1	0	2	124	1,739	1	0	1	72
			T4M	2,705	1	0	1	113	2,904	1	0	2	121	2,922	1	0	2	122	1,704	1	0	1	71
			TF1M	2,811	1	0	1	117	3,019	1	0	2	126	3,038	1	0	2	127	1,771	0	0	1	74
			ASVDF	2,513	1	0	1	105	2,699	1	0	2	112	2,716	1	0	2	113	1,584	1	0	1	66
			T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
	700 mA	47W	T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
			T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
			T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TF1M	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			ASVDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
	1000 mA	74W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TF1M	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
1000 mA	74W	ASVDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58	
		T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61	
		T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58	
		T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60	
		T3M	7,052	1	0	2	95	7,736	1	0	2	105	7,620	1	0	2	103	4,335	1	0	2	59	
		T4M	6,910	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58	
ASVDF	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60			
ASVDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	2	0	2	94	3,947	1	0	2	54			



## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.98

## Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW1 LED 20C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

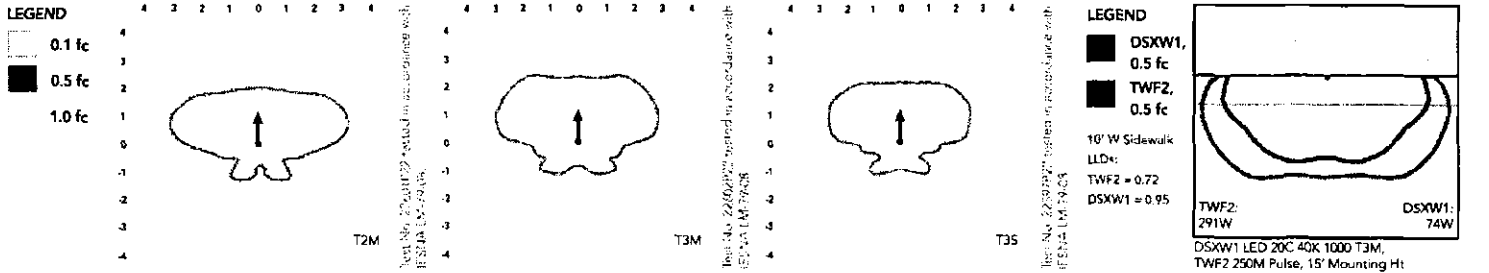
0	25,000	50,000	100,000
1.0	0.95	0.93	0.88

## Electrical Load

		120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	-	-
	530	20 W	0.19	0.11	0.09	-	-
	700	27 W	0.25	0.14	0.13	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-
20C	350	24 W	0.23	0.13	0.12	0.10	-
	530	36 W	0.33	0.19	0.17	0.14	-
	700	47 W	0.44	0.25	0.22	0.19	0.15
	1000	74 W	0.69	0.40	0.35	0.30	0.23

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's DesignLight Consortium webpage.

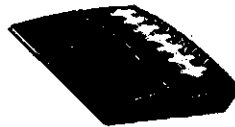
Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



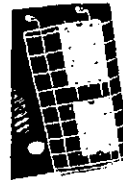
T3M (left), ASYDF (right) lenses



HS - House-side shields



BSW - Bird-deterrent spikes



WG - Wire guard



VG - Vandal guard



DDL - Diffused drop lens

## FEATURES & SPECIFICATIONS

### INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

### ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a

power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

### LISTINGS

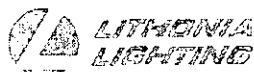
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

Five-year limited warranty. Complete warranty terms located at [www.designlights.org](http://www.designlights.org).

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



**FEATURES & SPECIFICATIONS**

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.  
**CONSTRUCTION** — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

**OPTICS** — LEDs are binned to a 3-step SDCM; 80 CRI minimum.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

**ELECTRICAL** — Multi-volt (120-277V, 50/60Hz) eldoLED 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 50,000 hours.

**LISTINGS** — Certified to US and Canadian safety standards. Damp location standard (wet location, covered ceiling optional).

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application.

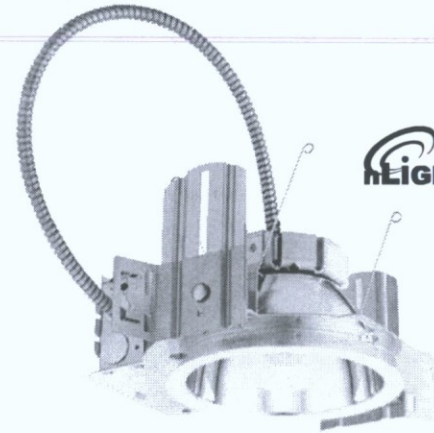
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

**LDN6**

**6" OPEN and WALLWASH LED  
 Non-IC  
 New Construction Downlight**



**ORDERING INFORMATION**

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** LDN6 35/15 LO6AR LSS MVOLT EZ10

LDN6		Color temperature		Lumens <sup>1</sup>		Aperture/Trim Color			Finish	Voltage					
Series	LDN6 6" round	27/	2700K	05	500 lumens	25	2500 lumens	LO6	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
		30/	3000K	10	1000 lumens	30	3000 lumens	LW6	Wallwash	WR <sup>2</sup>	White	LD	Matte diffuse	120	120V
		35/	3500K	15	1500 lumens	40	4000 lumens			BR <sup>2</sup>	Black	LS	Specular	277	277V
		40/	4000K	20	2000 lumens	50	5000 lumens							347 <sup>3</sup>	347V

Driver	Options
EZ10 eldoLED 10% 0-10V	SF <sup>4</sup> Single fuse
EZ1 eldoLED 1% 0-10V	TRW <sup>5</sup> White painted flange
	TRBL <sup>5</sup> Black painted flange
	ELR <sup>4</sup> Battery pack (remote)
	EL <sup>4</sup> Battery pack
	NPS80EZ <sup>4</sup> nLight <sup>®</sup> dimming pack controls 0-10V eldoLED drivers.
	NPS80EZER <sup>4</sup> nLight <sup>®</sup> dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
	HAO High ambient option
	CP Chicago Plenum
	WL Wet location
	RRL <sup>—</sup> RELOC <sup>®</sup> -ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.

**Accessories:** Order as separate catalog number.

EACISSM 375	Compact interruptible emergency AC power system
EACISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter <sup>1</sup>
SCA6	Sloped ceiling adapter. Refer to <a href="#">TECH-SCA</a> for more options.

**Notes**

- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.

# LDN6

## PHOTOMETRY

Distribution Curve

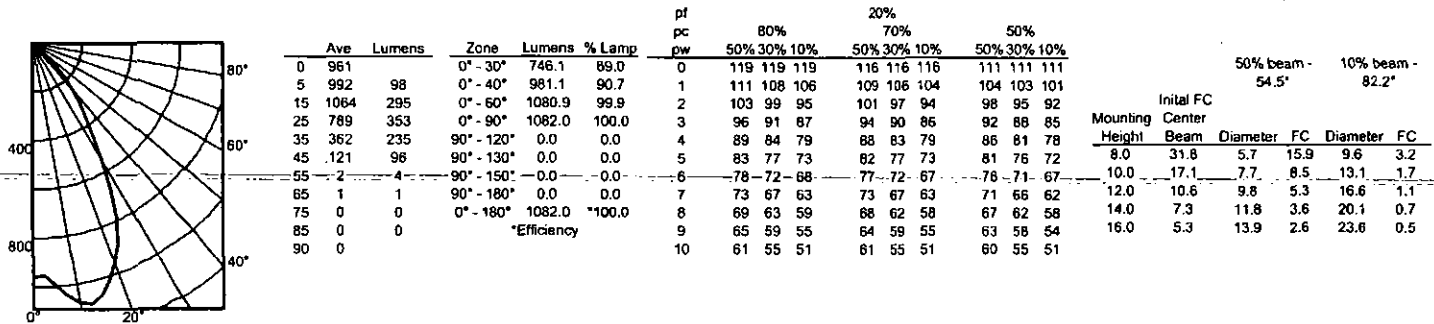
Distribution Data

Output Data

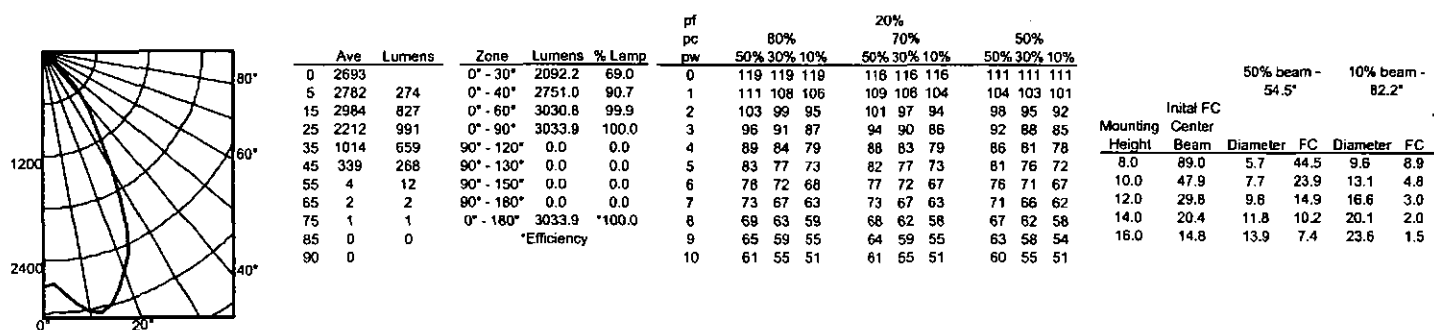
Coefficient of Utilization

Illuminance Data at 30° Above Floor for a Single Luminaire

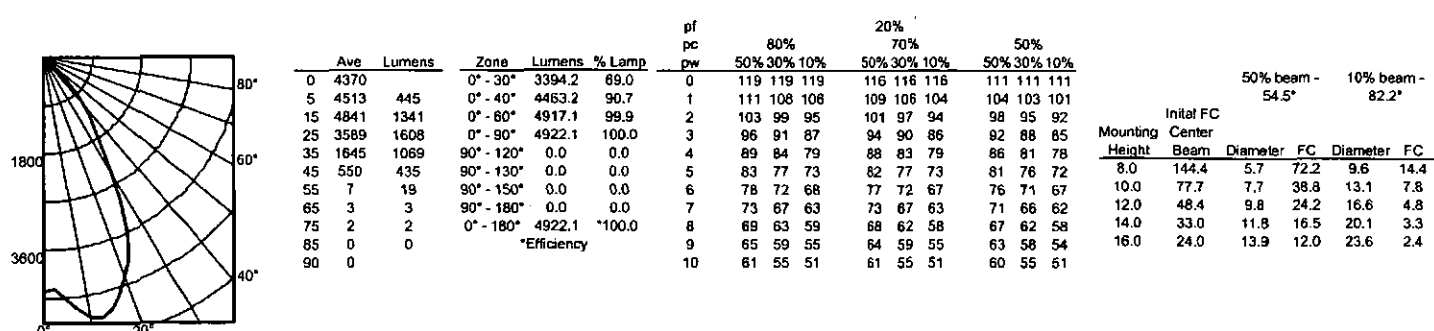
**LDN6 35/10 L06AR**, input watts: 12.75, delivered lumens: 1082, LM/W = 84.86, spacing criterion at 0= 1.02, test no. ISF 30716P31.



**LDN6 35/30 L06AR**, input watts: 34.69, delivered lumens: 3033.9, LM/W = 87.45, spacing criterion at 0= 1.02, test no. ISF 30716P22.



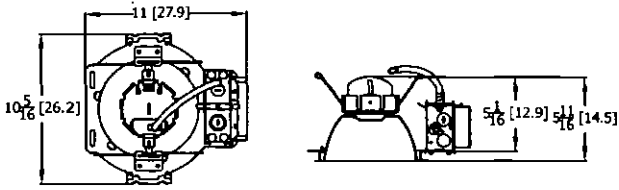
**LDN6 35/50 L06AR**, input watts: 55.56, delivered lumens: 4922.1, LM/W = 88.59, spacing criterion at 0= 1.02, test no. ISF 30716P40.



# LDN6

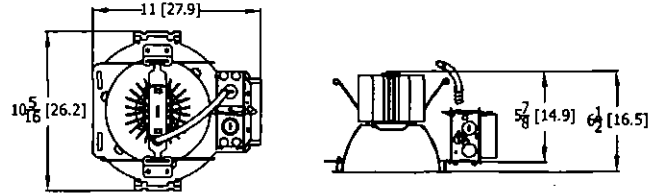
\* All dimensions are inches (centimeters) unless otherwise noted.

## LDN6 1500 LUMEN



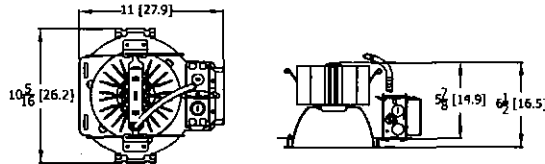
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap trim: 7-1/2 (19.1)

## LDN6 3000 LUMEN



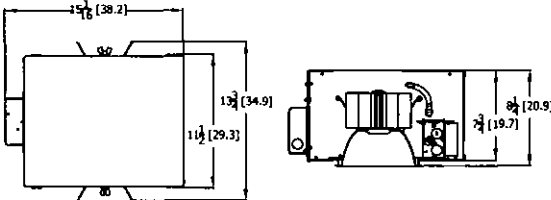
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap trim: 7-1/2 (19.1)

## LDN6 5000 LUMEN



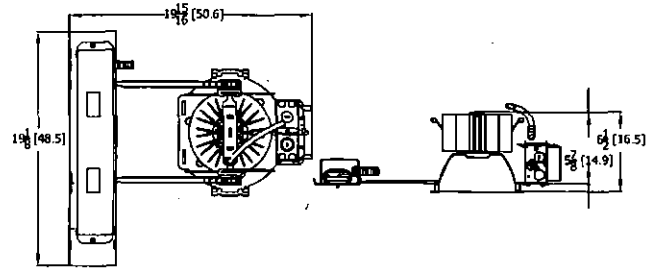
Marked Spacing: 24 x 24 x 10  
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap trim: 7-1/2 (19.1)

## LDN6 CP



Marked Spacing above 3000 lumen: 24 x 24 x 10  
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap trim: 7-1/2 (19.1)

## LDN6 1500 EL-ELR



Marked Spacing above 3000 lumen: 24 x 24 x 10  
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap trim: 7-1/2 (19.1)

### LDN6

Target Lumen	Lumens @ 3500K	Wattage	LPW
500	662.2	7.6	87.1
1000	1082.0	12.8	84.5
1500	1606.0	20.5	78.3
2000	2023.0	22.6	89.5
2500	2529.5	27.1	93.3
3000	3034.0	34.7	87.4
4000	3977.5	44.1	90.2
5000	4922.2	55.5	88.7

#### Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

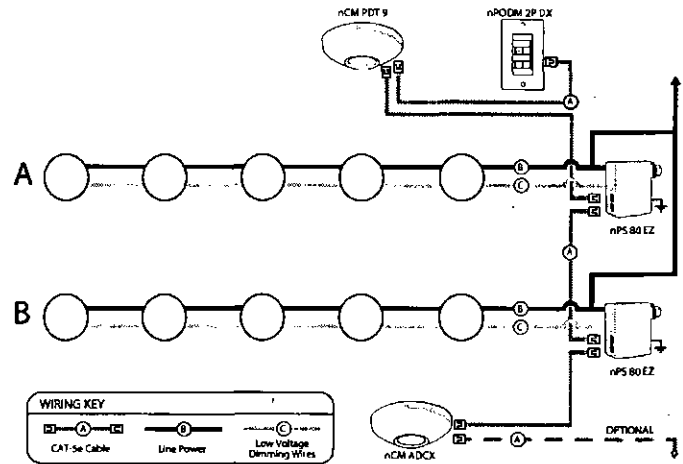
**ADDITIONAL DATA**

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DV5CTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	
	SLD LPCS	RDMFC
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

EL/ELR AVAILABILITY/COMPATIBILITY-INITIAL LUMENS			
Lumen package	Watts	Initial lumens EL/ELR	Emergency LED driver
600	12	500	PS1050
1000	18	575	PS1050
1500	26	640	PS1050
2000	35	690	PS1050

LUMEN OUTPUT MULTIPLIERS-FINISH			
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS-CCT				
	2700K	3000K	3500K	4000K
80CRI	0.950	0.966	1.000	1.025



nLight® Control Accessories:			
Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>	<b>Model number</b>
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring low-profile, attractive emergency lighting.

**CONSTRUCTION** — Compact, low-profile, architectural design with die-cast aluminum housing. Available finishes are texturized polyester powder coat paint in brushed nickel, white, black and dark bronze. All finishes can be painted in the field to match the wall color of choice.

U.S. Patent No. D468,046.

**OPTICS** — Standard optics provided with two 6W wedge-base xenon lamps offer 55 percent more light output than standard incandescent lamps. Patent-pending reflector/refractor design features superior vac-metalized, die-casted reflectors; and multi-faceted, highly transmissive refractor that significantly improve photometrics.

Forward throw (FWD) option optics provided with two high-brightness white LEDs (10.8W total), projecting an NFPA-101 compliant path 3' wide and 28' forward, when mounted 8-1/2' AFF. The typical life of the LED lamp is 10 years.

**All light sources meet requirements for NEC 700.16.**

Dual-voltage input capability (120/277V).

Edge connectors on printed circuit board ensure long-term durability.

Universal J-box mounting pattern.

Low-profile, integrated test switch/pilot light located below the lens.

Easily visible green status indicator.

Rigid conduit entry provision on top of the unit.

Battery: Sealed, maintenance-free lead-calcium battery provides 12W rated capacity. Nickel-cadmium battery with Premium and Exterior option packages.

Automatic 48-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Single-circuit battery connection.

**ELECTRICAL** — Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

EXT option package includes 20-minute time delay for supplemental lighting during HID startup.

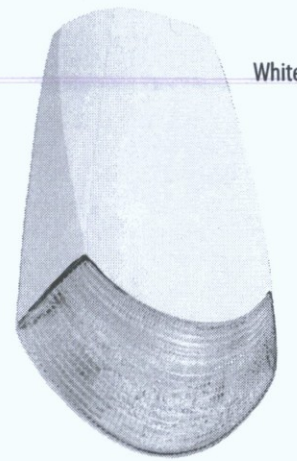
**Self-diagnostics (PREM and EXT option packages)**

**Patented Electronics - U.S. Patent No. D468,046 and 6,502,044.**

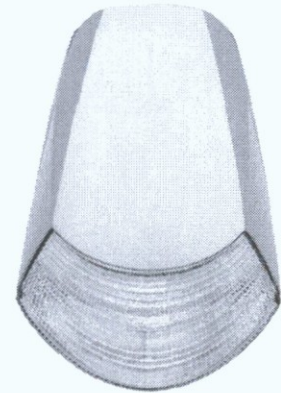
Catalog Number
Notes
Type

## AFFINITY® Die-Cast Architectural Emergency Light

# AFN



White



Brushed Nickel

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

Postpone automatic test initiates eight hour delay of an automatic test by activating the manual test switch.

**LISTINGS** — UL Listed. Wet locations and cold temperature (EXT) listed. Damp location (PREM) listed. Wet location (WL) option available with PREM package. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. UL labeled.

**WARRANTY** — 3-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx)

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

### ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

**Example:** AFN W EXT

Series	Finish	Options
<b>AFN</b> AFFINITY Series die-cast architectural emergency lighting	<b>W</b> White <b>B</b> Black <b>BN</b> Brushed nickel <b>DB</b> Dark bronze	<b>(blank)</b> Features lead calcium battery <b>PREM</b> Features ni-cad battery, self-diagnostics and damp location 32°F to 122°F (0°C to 50°C) <b>EXT</b> Features high-temperature ni-cad battery listed from 0°F to 122°F (-18°C to 50°C), self-diagnostics, time delay; listed for cold weather, damp and wet location <b>FWD</b> Forward throw optics with LED light source, 10.8W <b>WL</b> Wet location with time delay listed from 32°F to 122°F (0°C to 50°C) <sup>1</sup>

**Accessories:** Order as separate catalog number.<sup>2</sup>

ELA AFNR DB Remote fixture (less batteries and electronics) to be powered by 6V battery equipment as part of an emergency lighting system (listed from -40°F to 122°F; -40°C to 50°C), BN, W, B finishes available.

#### Notes

1 WL only available with PREM option package.

2 See spec sheet [ELA-OMC-ELA-AFN-B](#).

# AFN Affinity® Die-Cast Architectural Emergency Light

## SPECIFICATIONS

ELECTRICAL: Primary Circuit					
Type	AC Input			Output volts	Watts output 1-1/2 hrs.
	Volts	Amps	Watts		
AFN	120	.11	1.1	6	12
	277	.12	1.3		
AFN PREM	120	.15	1.4	6	12
	277	.14	1.4		
AFN EXT	120	.23	21 <sup>1</sup>	6	12
	277	.25	35 <sup>1</sup>		

BATTERY: Sealed Lead-Calcium				
Voltage	Shelf life <sup>2</sup>	Typical life <sup>2</sup>	Maintenance <sup>4</sup>	Optimum temperature <sup>3</sup>
6	12 months	5-7 years	none	60°-90°F (16°-32°C)

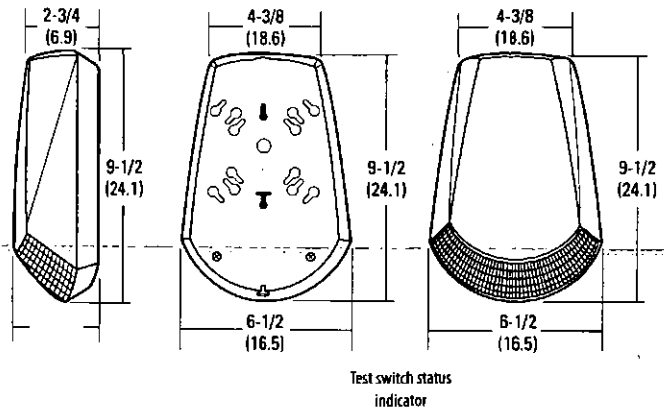
BATTERY: Nickel-Cadmium				
Voltage	Shelf life <sup>2</sup>	Typical life <sup>2</sup>	Maintenance <sup>4</sup>	Optimum temperature <sup>3</sup>
6	3 years	7-9 years	none	32°-122°F (0°-50°C)

### Notes

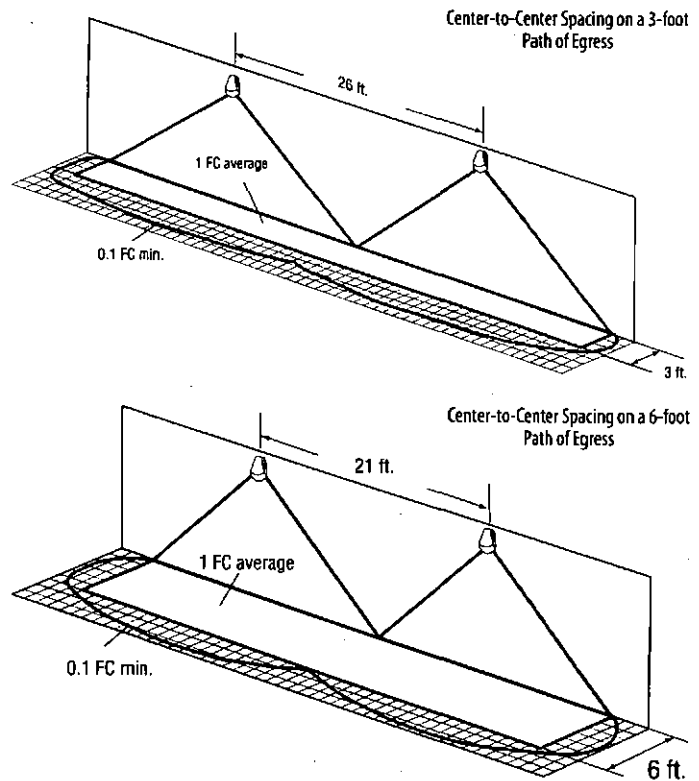
- EXT provided with battery heater.
- At 77°F (25°C).
- Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges. Consult factory for detailed information.
- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

## MOUNTING

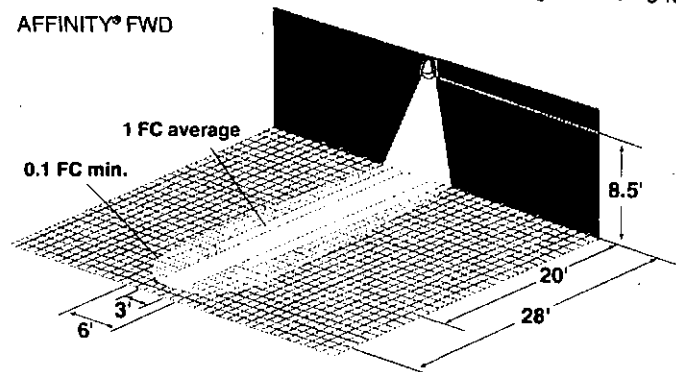
All dimensions are inches (centimeters).  
Shipping weight: 3.5 lbs. (1.59 kgs.)



## FIXTURE PERFORMANCE



### AFFINITY® FWD



## SPACING GUIDE

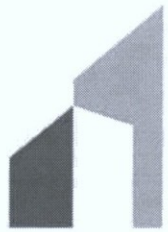
Xenon Lamp	Path of Egress 3'-wide	Path of Egress 6'-wide
Center-to-Center Spacing	26'	21'

NOTE: Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 8.5', ceiling height: 9', and reflectances: 80/50/20.



OMEGA PANEL PRODUCTS - "1-PIECE, TIGHT-FIT MOLDING SYSTEM  
COLOR - CHAMPAGNE, KYLAR 500 FINISH

PRODUCT TYPE	PRODUCT COLOR	VALSPAR ITEM CODE	INITIAL SOLAR REFLECTANCE	3-YEAR SOLAR REFLECTIVE EXPOSURE	INITIAL EMISSIVITY	SOLAR REFLECTIVE INDEX (SRI)
Fluropon CL II	Zinc	439Z618M	0.55	0.49	0.79	62



Michael Mantione  
Regional Sales Consultant

ARCHITECTURAL  
BUILDING PRODUCTS

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www.abp-distributors.com

800.870.7595 ext. 204  
Cell: 602.743.3331  
Fax: 480.214.9217

## DEVELOPMENT CASES

8-MD-2016/64<sup>th</sup> St Lot Split 26818 N. 64<sup>th</sup> St

Engineer/Coordinator/Planner: Jeri Pulkinen/Meredith Tessier

APN: 212-11-055W

Case Type: MD

Description: Request by owner for approval to split one lot on an approximately 1.99 +/- acres site with Single-family residential, Environmentally Sensitive Lands, Foothills Overlay (R1-43/ESL/F-O) zoning located at 26818 N. 64th Street.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/27/16)**

- Should dedicate an additional 10 feet of r/w along Lomas Verde.
- Check 64<sup>th</sup> St. classification.

27-DR-2016/14950 N. 83rd Place

Engineer/Coordinator/Planner: Jeri Pulkinen/Andrew Chi

APN: 215-55-046

Case Type: DR

Description: Request by owner for approval of a site plan, landscape plan, and building elevations to renovate and upgrade the exterior of an existing commercial building on an approximately 1.20 +/- acre site with General Commercial (C-4) zoning, located at 14950 N. 83rd Place.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/16/16)**

- Check fire truck turning radius at entry driveways. → Add to site plan
- Bike parking needs to be adjacent to building entrances, not next to street.
- Check fire need for connection at rear of property to adjacent property.

*per. R. King 5/18/16*

*↓ No need .... ext improvements*

17-ZN-2016 & 6-UP-2016/Desert Mountain Parcel 19 37080 N. Cave Creek Rd

Engineer/Coordinator/Planner: Jeri Pulkinen/Jesus Murillo

APN: 219-13-244

Case Type: ZN

Description: Request by owner for a Zoning District Map Amendment to rezone the subject site from: the Open Space, Environmentally Sensitive Lands, Hillside District (O-S/ESL/HD), Single-family Residential District, Environmentally Sensitive Lands, Hillside District (R1-35/ESL/HD), Industrial Park, Environmentally Sensitive Lands, Hillside District (I-1/ESL/HD), Central Business, Environmentally Sensitive Lands, Hillside District, and the Commercial Office, Environmentally Sensitive Lands, Hillside District (C-2/ESL/HD), to the Open Space, Environmentally Sensitive Lands (O-S/ESL) and the Townhouse Residential, Environmentally Sensitive Lands (R-4/ESL) zoning district designations, on approximate 91.1 +/- acres located in the general vicinity of the northeast corner of the N. Pima Road and the N. Cave Creek Road intersection.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/17/16)**

- Site entrance on Cave Creek needs to align with the existing street to the southeast. May need to narrow entry width to align better.
- Secondary access will need gate and turn-around. Provide more information about this entry design. There does not appear to be any gates proposed, but it does appear to be open access.
- Trail planned along Pima Road and southern property line.
- One way street sections need to be 20 foot wide.

28-DR-2016/Troon Golf and Country Club 25000 N. Windy Walk Dr  
Engineer/Coordinator/Planner: Jeri Pulkinen/Jesus Murillo  
APN: 217-02-012T

Case Type: DR

Description: This is to inform you of a request for approval of a remodel and addition to the existing Troon Golf and Country club house. The request includes the remodel and demolition of a portion of the existing facility (grille, golf shop, and lockers), to reconstruct, and provide additional square footage, for a new fitness area.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/17/16)**

- Identify refuse enclosure location on the site plan.
- Identify ADA path from parking spaces to building entrance.
- Provide more detail for bike parking racks. Does not appear to be enough room for 23 spaces.

29-DR-2016/Arizona Outback Adventures 17465 N 93<sup>rd</sup> St  
Engineer/Coordinator/Planner: Jeri Pulkinen/Meredith Tessier  
APN: 217-55-724

Case Type: DR

Description: Request by owner for site plan, landscape plan and building elevations for a new office with light manufacturing and retail, approximately 11,000 sq. ft., zoned Industrial Park/Planned Community District (I-1 PCD).

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/24/16)**

- Provide detail for driveway design. Verify that cross grades meet ADA.
- Solid waste trucks will be driving over concrete corners. May damage them over time.
- Show bike parking on the site plan.
- Show ADA parking spaces.
- Sidewalk connection from street to building entrance should be 6 feet wide. Not clear how wide this is on site plan.

229-SA-2016/AAA Repair Center 7520 E McDowell Rd  
Engineer/Coordinator/Planner: Jeri Pulkinen/Cluff Bryan  
APN: 131-21-139

Case Type: SA

Description: Request for exterior improvements. Parking lot improvement

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/21/16)**

- Remove westernmost driveway.
- Coordinate with McDowell Road sidewalk project.
- Parking aisles should align, not be offset.
- Entry design should eliminate offset of western driveway and parking aisle.
- Need to provide bike parking; show calculations.

**Chi, Andrew**

---

**From:** Pulkinen, Jeri  
**Sent:** Friday, July 01, 2016 3:33 PM  
**To:** Bloemberg, Greg; Brodzinski, Walt; Carr, Brad; Castro, Lorraine; Cluff, Bryan; Conklu, Susan; Curtis, Tim; Kercher, Phillip; Kelley, John; King, Ricky; Morris, Joe; Murillo, Jesus; Niederer, Keith; Noriega, Ralph; Ramos, Rodney; Tessier, Meredith; Symer, Daniel; Venker, Steve; Williams, George; Williams, Greg; Yaron, Adam; McClay, Doris; Barnes, Jeff; Wood, Bob; Dick, Brian; Davies, Gregory; Bartlett, John; Reynolds, Taylor; Casey, Stuart; Granillo Jr., J. Alonzo; Merkley, Andrew; Gue, David; Chi, Andrew; McPherson, Mercedes; McMahon, Brandon; Korepella, Ratna  
**Subject:** ~~DIRT-Summary-6/30/15~~  
**Attachments:** 6-30-16 Dirt Summary.doc

## DEVELOPMENT CASES

8-MD-2016/64<sup>th</sup> St Lot Split 26818 N. 64<sup>th</sup> St

Engineer/Coordinator/Planner: Jeri Pulkinen/Meredith Tessier

APN: 212-11-055W

Case Type: MD

Description: Request by owner for approval to split one lot on an approximately 1.99 +/- acres site with Single-family residential, Environmentally Sensitive Lands, Foothills Overlay (R1-43/ESL/F-O) zoning located at 26818 N. 64<sup>th</sup> Street.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/27/16 )**

- Should dedicate an additional 10 feet of r/w along Lomas Verde.
- Check 64<sup>th</sup> St. classification.

27-DR-2016/14950 N. 83rd Place

Engineer/Coordinator/Planner: Jeri Pulkinen/Andrew Chi

APN: 215-55-046

Case Type: DR

Description: Request by owner for approval of a site plan, landscape plan, and building elevations to renovate and upgrade the exterior of an existing commercial building on an approximately 1.20 +/- acre site with General Commercial (C-4) zoning, located at 14950 N. 83rd Place.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/16/16)**

- Check fire truck turning radius at entry driveways.
- Bike parking needs to be adjacent to building entrances, not next to street.
- Check fire need for connection at rear of property to adjacent property.

17-ZN-2016 & 6-UP-2016/Desert Mountain Parcel 19 37080 N. Cave Creek Rd

Engineer/Coordinator/Planner: Jeri Pulkinen/Jesus Murillo

APN: 219-13-244

Case Type: ZN

Description: Request by owner for a Zoning District Map Amendment to rezone the subject site from: the Open Space, Environmentally Sensitive Lands, Hillside District (O-S/ESL/HD), Single-family Residential District, Environmentally Sensitive Lands, Hillside District (R1-35/ESL/HD), Industrial Park, Environmentally Sensitive Lands, Hillside District (I-1/ESL/HD), Central Business, Environmentally Sensitive Lands, Hillside District, and the Commercial Office, Environmentally Sensitive Lands, Hillside District (C-2/ESL/HD), to the Open Space, Environmentally Sensitive Lands (O-S/ESL) and the Townhouse Residential, Environmentally Sensitive Lands (R-4/ESL) zoning district designations, on approximate 91.1 +/- acres located in the general vicinity of the northeast corner of the N. Pima Road and the N. Cave Creek Road intersection.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/17/16)**

- Site entrance on Cave Creek needs to align with the existing street to the southeast. May need to narrow entry width to align better.
- Secondary access will need gate and turn-around. Provide more information about this entry design. There does not appear to be any gates proposed, but it does appear to be open access.
- Trail planned along Pima Road and southern property line.
- One way street sections need to be 20 foot wide.

28-DR-2016/Troon Golf and Country Club 25000 N. Windy Walk Dr

Engineer/Coordinator/Planner: Jeri Pulkinen/Jesus Murillo

APN: 217-02-012T

Case Type: DR

Description: This is to inform you of a request for approval of a remodel and addition to the existing Troon Golf and Country club house. The request includes the remodel and demolition of a portion of the existing facility (grille, golf shop, and lockers), to reconstruct, and provide additional square footage, for a new fitness area.

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/17/16)**

- Identify refuse enclosure location on the site plan.
- Identify ADA path from parking spaces to building entrance.
- Provide more detail for bike parking racks. Does not appear to be enough room for 23 spaces.

29-DR-2016/Arizona Outback Adventures 17465 N 93<sup>rd</sup> St

Engineer/Coordinator/Planner: Jeri Pulkinen/Meredith Tessier

APN: 217-55-724

Case Type: DR

Description: Request by owner for site plan, landscape plan and building elevations for a new office with light manufacturing and retail, approximately 11,000 sq. ft., zoned Industrial Park/Planned Community District (I-1 PCD).

**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/24/16)**

- Provide detail for driveway design. Verify that cross grades meet ADA.
- Solid waste trucks will be driving over concrete corners. May damage them over time.
- Show bike parking on the site plan.
- Show ADA parking spaces.
- Sidewalk connection from street to building entrance should be 6 feet wide. Not clear how wide this is on site plan.

229-SA-2016/AAA Repair Center 7520 E McDowell Rd

Engineer/Coordinator/Planner: Jeri Pulkinen/Cluff Bryan

APN: 131-21-139

Case Type: SA

Description: Request for exterior improvements. Parking lot improvement

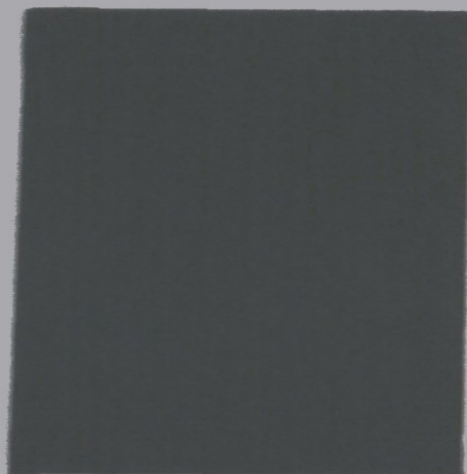
**Case DIRT Comments from 6/30/16 meeting (Plan Dates: 6/21/16)**

- Remove westernmost driveway.
- Coordinate with McDowell Road sidewalk project.
- Parking aisles should align, not be offset.
- Entry design should eliminate offset of western driveway and parking aisle.
- Need to provide bike parking; show calculations.

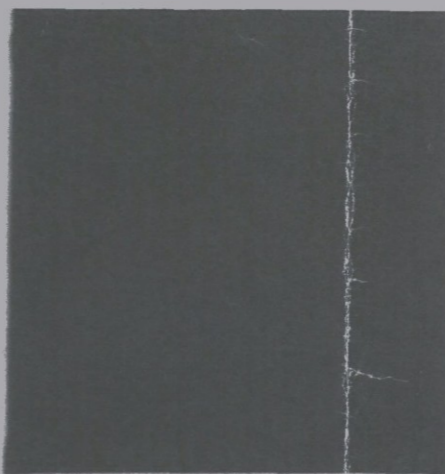
**Chi, Andrew**

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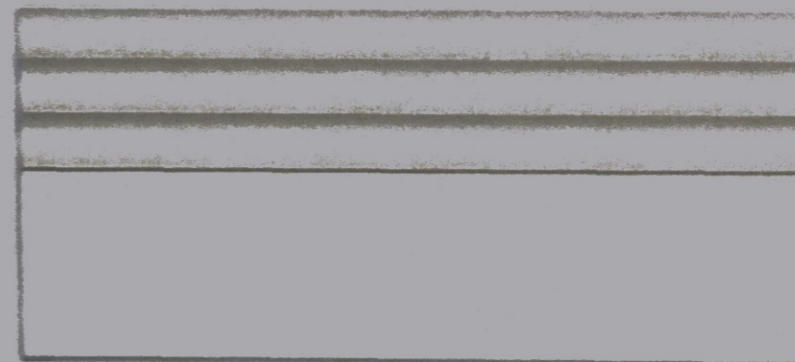
**From:** Pulkinen, Jeri  
**Sent:** Friday, July 01, 2016 3:33 PM  
**To:** Bloemberg, Greg; Brodzinski, Walt; Carr, Brad; Castro, Lorraine; Cluff, Bryan; Conklu, Susan; Curtis, Tim; Kercher, Phillip; Kelley, John; King, Ricky; Morris, Joe; Murillo, Jesus; Niederer, Keith; Noriega, Ralph; Ramos, Rodney; Tessier, Meredith; Symer, Daniel; Venker, Steve; Williams, George; Williams, Greg; Yaron, Adam; McClay, Doris; Barnes, Jeff; Wood, Bob; Dick, Brian; Davies, Gregory; Bartlett, John; Reynolds, Taylor; Casey, Stuart; Granillo Jr., J. Alonzo; Merkley, Andrew; Gue, David; Chi, Andrew; McPherson, Mercedes; McMahon, Brandon; Kórepella, Ratna  
**Subject:** DIRT-Summary 6/30/15  
**Attachments:** 6-30-16 Dirt Summary.doc



Material: Paint  
 Manufacturer: Dunn Edwards  
 Color: "Fossil"  
 Color Number: DE6225



Material: Paint  
 Manufacturer: Dunn Edwards  
 Color: "Black Tie"  
 Color Number: DE6357



Material: Aluminum Storefront  
 Manufacturer: Arcadia  
 Color: "Light Champagne"  
 Color Number: AB-1

# 14950 N. 83rd Place SCOTTSDALE, ARIZONA

The Artist Rendering & Material Specifications are for conceptual design only and should not be referred to as a construction document - See A7 Building Elevation Sheets for actual specifications



27-DR-2016  
 06/16/16



14950 N. 83rd Place  
SCOTTSDALE, ARIZONA

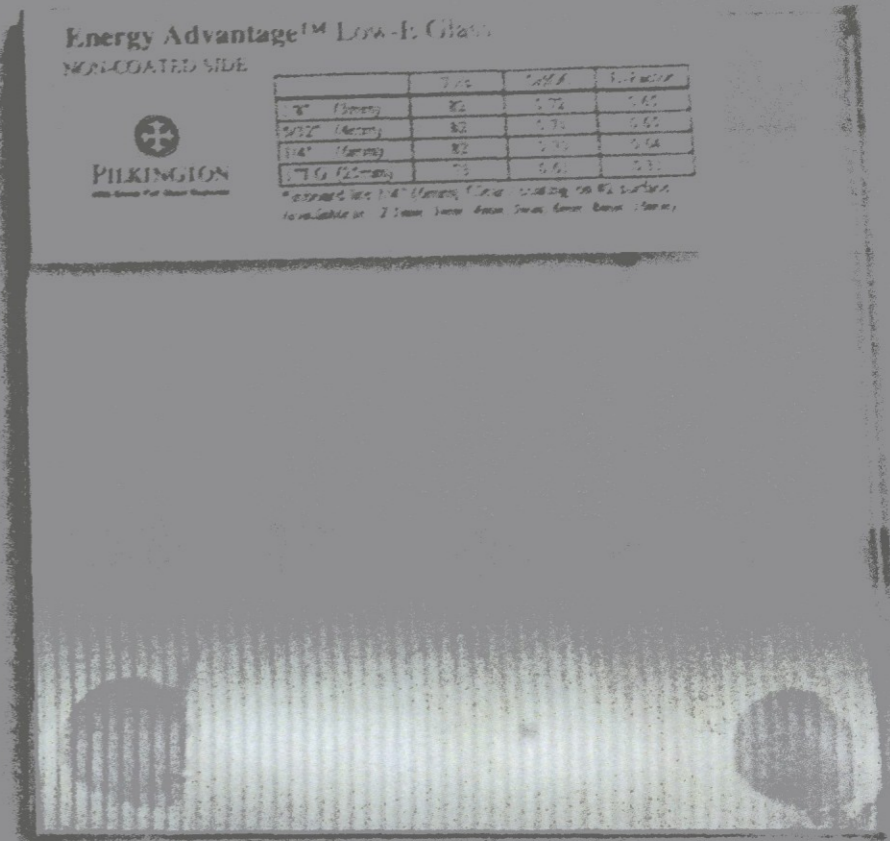
*Material Schedules & Material Specifications are for conceptual design only and should not be referred to as a contract document - See A7 Building Elevation Sheets for actual specifications*

**Energy Advantage™ Low-E Glass**  
NON-COATED SIDE



Thickness	U-Value	SHGC	Visible Transmittance
3/8" (Clear)	0.82	0.72	0.85
5/32" (Clear)	0.82	0.73	0.85
1/4" (Clear)	0.82	0.73	0.84
1/4" (Low-E)	0.75	0.60	0.83

\*Standard Low-E Low-E Glass is available on the surface.  
Available in 2.0mm from other than 1.0mm.

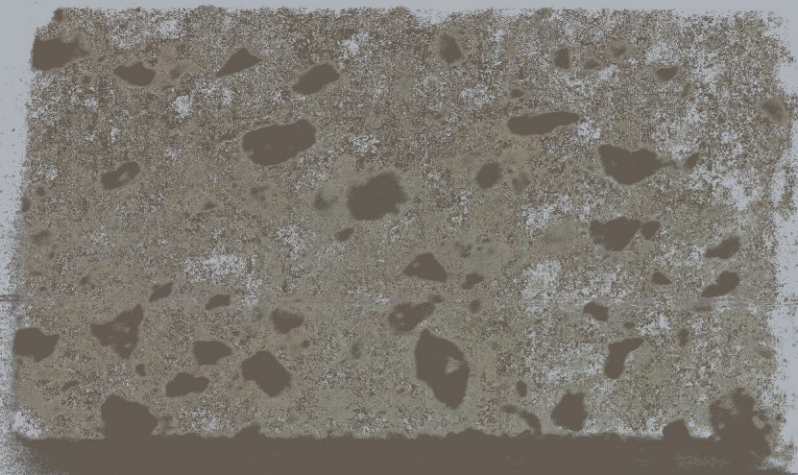


**Material:** Glazing  
**Manufacturer:** Pilkington or Equal  
**Color:** "Clear" Insulated 1" Units

⊖ **Material:** Aluminum Composite Panels  
**Manufacturer:** Omega Panel Products  
**Color:** Kynar - "Champagne"



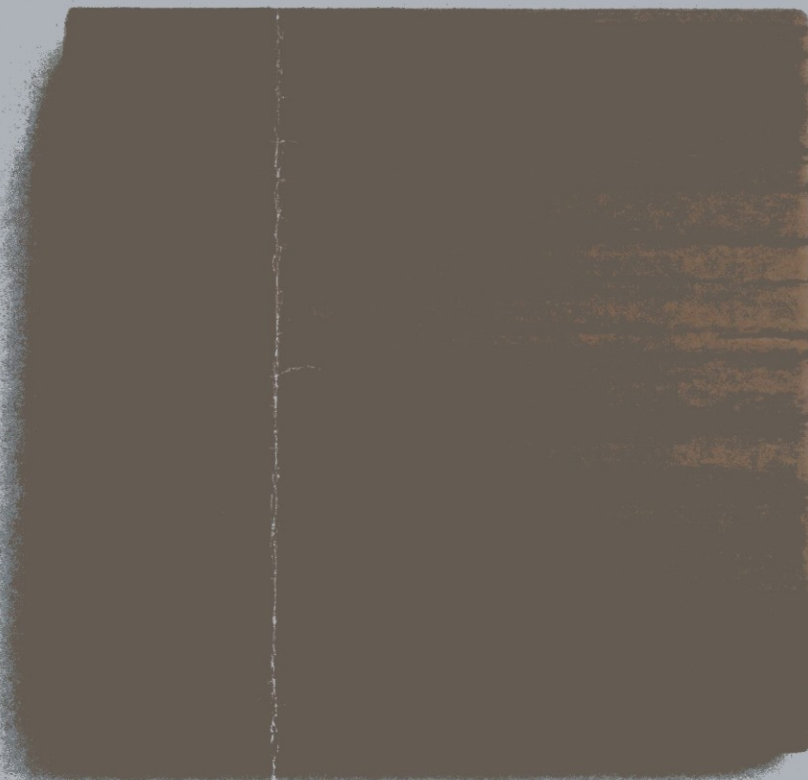
**27-DR-2016**  
**06/16/16**



⑤ **Material:** Honed Block 4x8x16  
**Manufacturer:** Trendstone Plus  
**Color:** "Seashell"



⑥ **Material:** Honed Block 4x8x16  
**Manufacturer:** Trendstone Plus  
**Color:** "Black Canyon"



**Material:** Wood Soffits (@ Metal Canopies)  
**Manufacturer:** Redwood  
**Color:** "Natural Oiled Finish"

14950 N. 83rd Place  
SCOTTSDALE, ARIZONA

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 CAWLEY  
ARCHITECTS

3 of 3

27-DR-2016  
06/16/16



## COLOR SUBMITTAL

**THE #1 CHOICE OF  
PAINTING PROFESSIONALS®**

Job Name:

**Scottsdale Automotive**

Painting Contractor:

**0**

General Contractor:

**0**

Architect/Designer:

**Cawley Architects**

Date:

**May 26, 2016**

Product:

**EVSH60**

Color:

**DE6357 Black Tie**

Area / Sheen:

**Gloss**

D.E. Contact:

**Tim Garver**

**602.714.7280**

This submittal is intended for color and sheen approval and may not have been produced from the actual product specified. Dunn-Edwards recommends following the procedures outlined in PDCA Std. P5-09 Sample Procedures.

**Dunn Edwards**

151 05:48 5/24/2018 PHX PANEL LAB

DE 6357

BLACK TIE

EVSH60-2 EVERSIELD EXT GL

Rev Date 04/29/2012

1 Quart U Y Notation /48

04: 0 Y+ 20.500

08: 0 Y+ 8.000

13: 1 Y+ 20.500

14: 0 Y+ 47.250

**Custom Tinted Paint - Not Returnable for Exchange or Refund**  
Color may vary slightly from a color chip or container to container.  
Check for correct color match and confirm color before application.  
Dunn-Edwards accepts no responsibility for any mis-matched paint  
after it has been applied.



## COLOR SUBMITTAL

**THE #1 CHOICE OF  
PAINTING PROFESSIONALS®**

Job Name: **Scottsdale Automotive**  
Painting Contractor: **0**  
General Contractor: **0**  
Architect/Designer: **Cawley Architects**

Date: **May 31, 2016**  
Product: **SSHL10**  
Color: **DE6377 Boat Anchor**  
Area / Sheen: **Flat**  
D.E. Contact: **Tim Garver 602.714.7280**

This submittal is intended for color and sheen approval and may not have been produced from the actual product specified. Dunn-Edwards recommends following the procedures outlined in PDCA Std. P5-09 Sample Procedures.

**Dunn Edwards**

151 08:51 5/27/2016 PHX PANEL LAB

DE 6377

BOAT ANCHOR

SSHL10-0 SPRTASHLD EX FLAT

Rev Date 03/26/2010

1 Quart U Y Notation /48

04: 0 Y+ 15.000

08: 0 Y+ 3.750

13: 0 Y+ 30.000

14: 1 Y+ 32.000

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after it has been applied



# COLOR SUBMITTAL

**THE #1 CHOICE OF  
PAINTING PROFESSIONALS®**

Job Name:

**Scottsdale Automotive**

Painting Contractor:

**0**

General Contractor:

**0**

Architect/Designer:

**Cawley Architects**

Date:

**May 26, 2016**

Product:

**SSHL10**

Color:

**DE6225 Fossil**

Area / Sheen:

**Flat**

D.E. Contact:

**Tim Garver**

**602.714.7280**

This submittal is intended for color and sheen approval and may not have been produced from the actual product specified. Dunn-Edwards recommends following the procedures outlined in PDCA Std. PS-09 Sample Procedures.

**Dunn Edwards**

151 05:49 5/24/2016 PHX PANEL LAB

DE 6225

FOSSIL

SSHL10-0 SPRTASHLD EX-FLAT

Rev Date 03/26/2010

1 Quart L Y Notation /48

04: 0 Y+ 0.625

28: 0 Y+ 0.375

13: 0 Y+ 0.250

**Custom Tinted Paint - Not Returnable for Exchange or Refund**

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