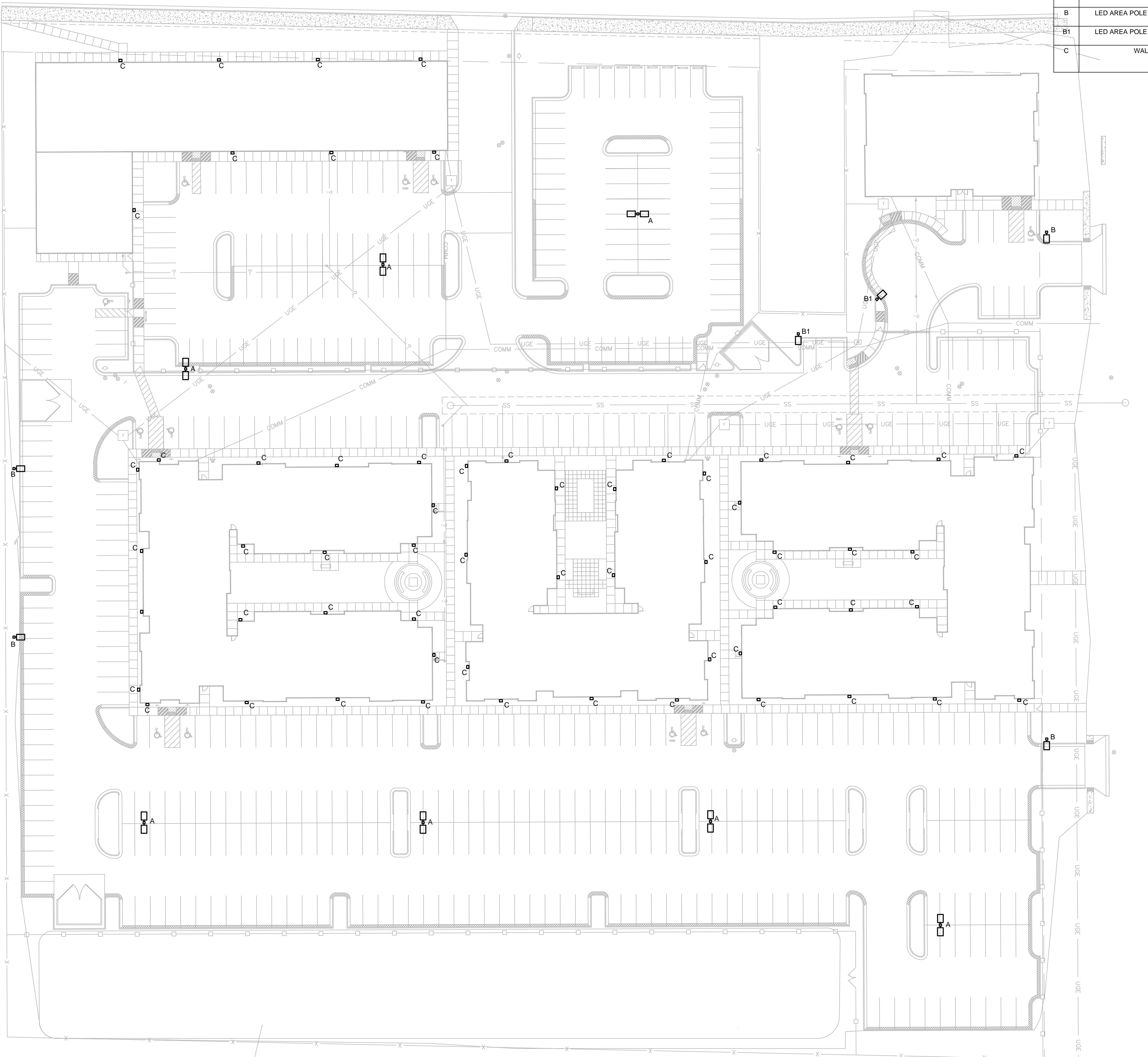


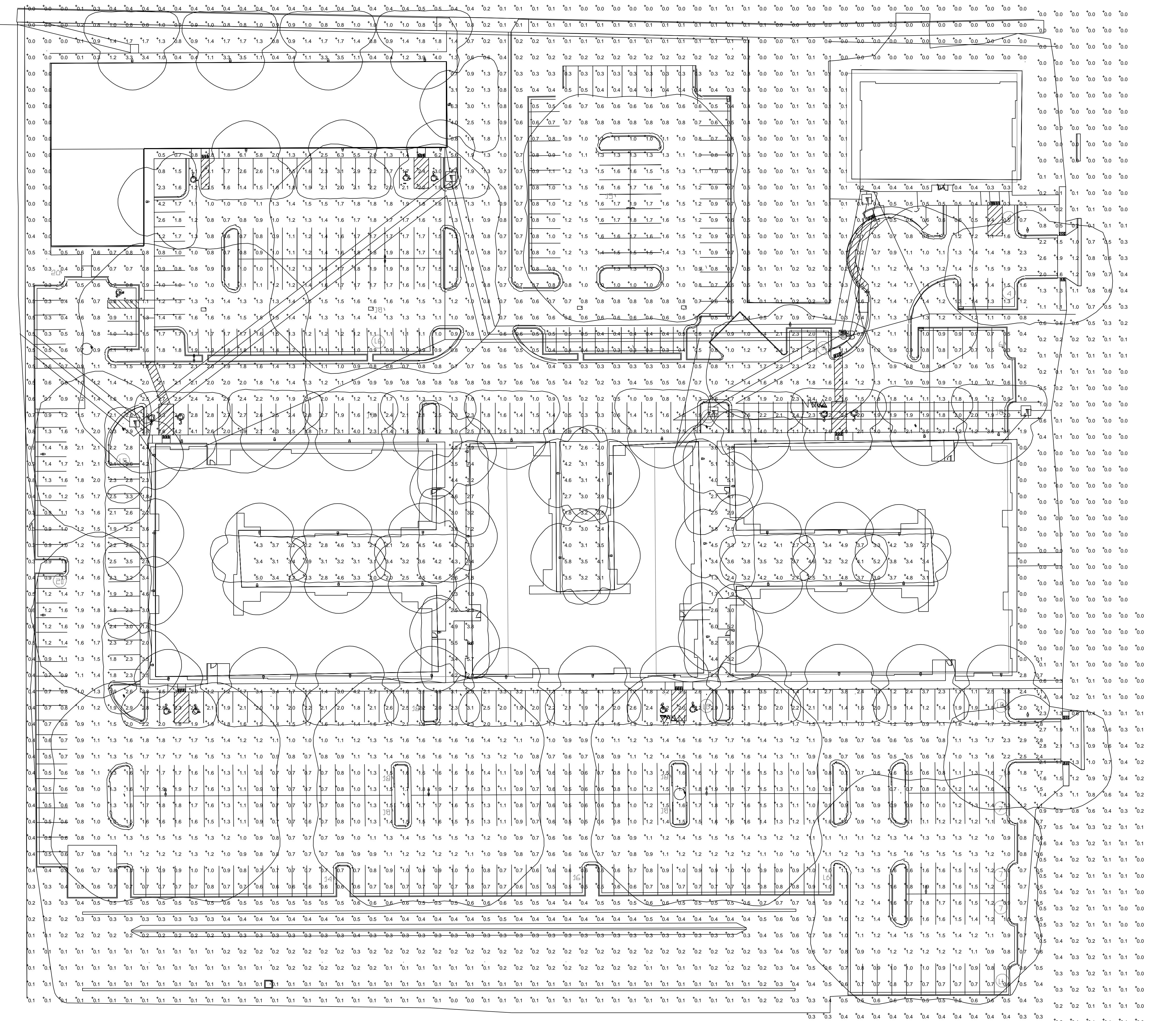
## LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR/SERIES	LAMP	VOLTAGE
A	LED AREA POLE LIGHT - 2 HEAD ON 25' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K T5W	LED	MVOLT
B	LED AREA POLE LIGHT - 1 HEAD ON 25' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K TFTM	LED	MVOLT
B1	LED AREA POLE LIGHT - 1 HEAD ON 20' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K TFTM	LED	MVOLT
C	WALL PACK - 12' AFG	LITHONIA LIGHTING / WST LED 2 10A 700 40K SR4	LED	MVOLT

2016 MERRIMAN ASSOCIATES ARCHITECTS, INC.  
REVISEDPROJECT NUMBER  
2015147ISSUE  
3/18/2016SHEET NAME  
SITE ELECTRICAL

SHEET:

ES1.00

2016 MERRIMAN ASSOCIATES ARCHITECTS, INC.  
REVISIONSPROJECT NUMBER:  
2015147ISSUE:  
3/18/2016SHEET NAME:  
SITE LIGHTING  
CALCULATIONSSHEET:  
ES1.01

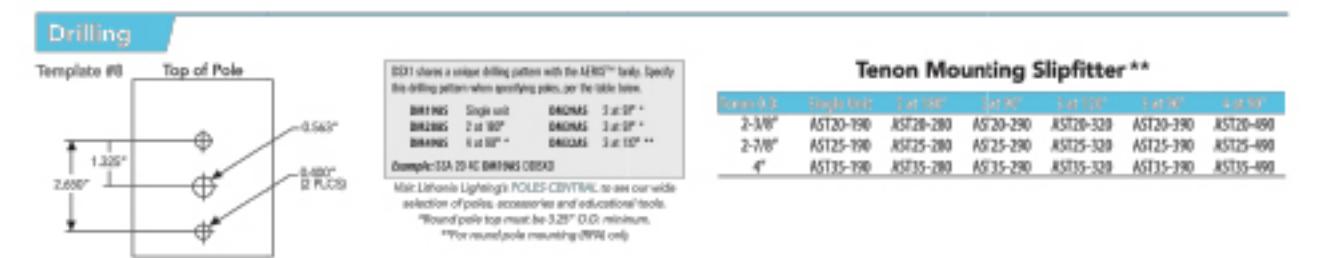
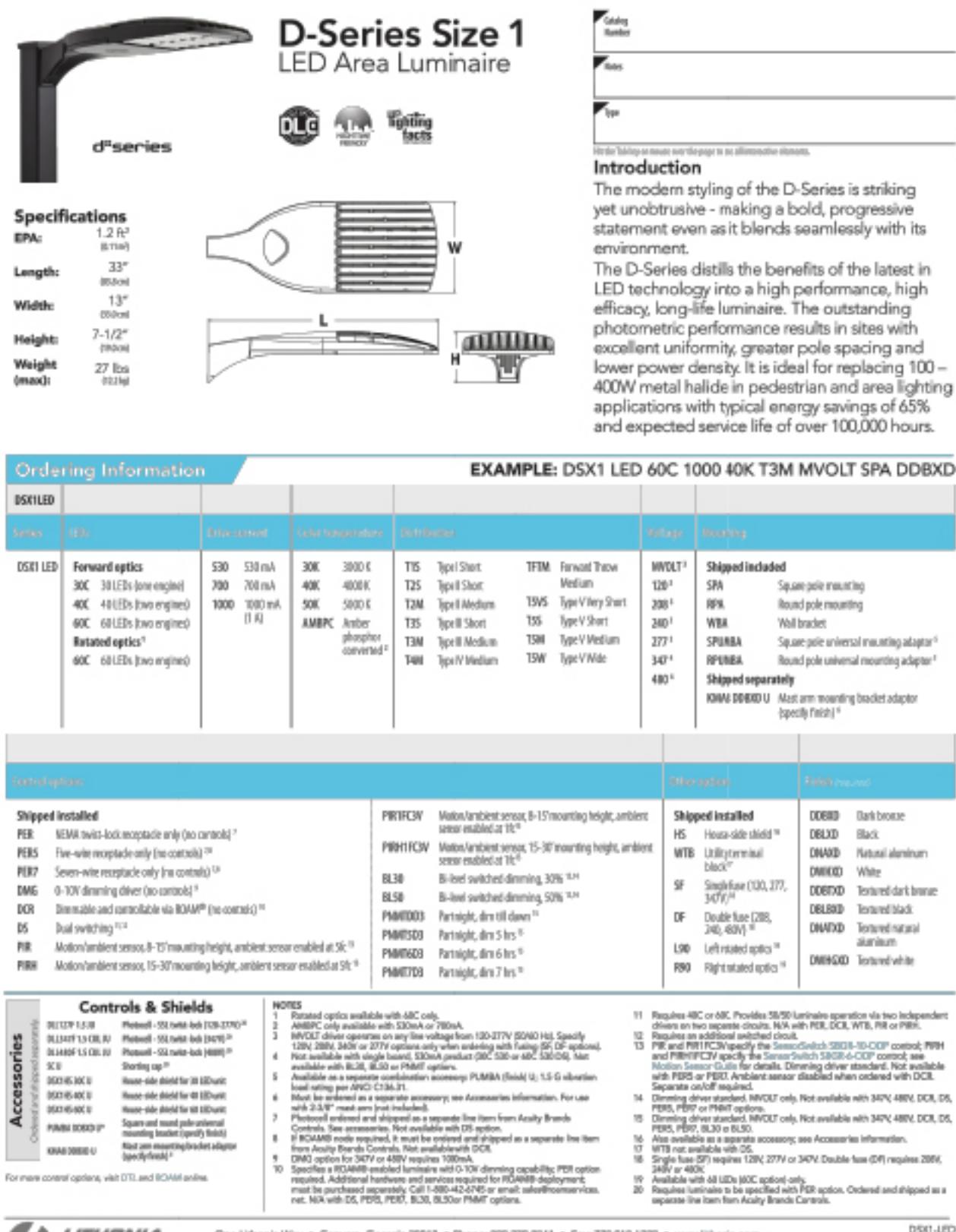
ENGINEER

**AGUIRRE  
RODEN**

Established 1960  
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5TH FLOOR  
DALLAS, TEXAS 75231  
FAX (972)785-1563  
TEL (972)785-1563  
TX. REG. #F-2000

**ASPIEN HEIGHTS AMES**

ES102



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 Test.	
Catalog Number	
None	
Type	
WST LED	
1 See the Tab key or mouse over the page to see all interactive elements	

Lumen Ambient Temperature (LAT) Multipliers	
Data references the extrapolated performance projections for the platforms tested in accordance with IESNA LM-79-08 and projected per IESNA TM-21-11.	
Temperature	Lumen Multiplier
80°C	1.00
60°C	1.00
20°C	0.97
0°C	0.95
-20°C	0.90
-40°C	0.80

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms tested in accordance with IESNA LM-79-08 and projected per IESNA TM-21-11.

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

Operating Hours	0	20,000	50,000	100,000
WST LED	1.00	0.94	0.88	0.77

1 Higher wattage is due to electrical losses from step-down transformer.

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