

# SL3x L

## Roadway Lighting Luminaire

Catalog #	
Project name	
Prepared by	

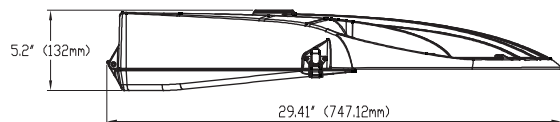
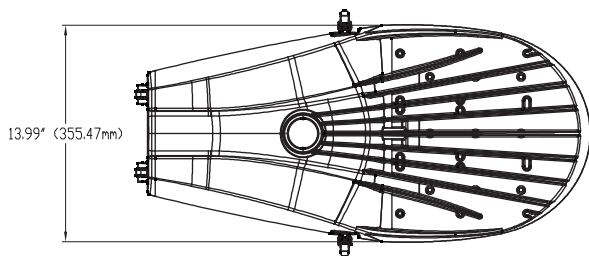
### PRODUCT OVERVIEW



### APPLICATIONS

- Roadway Lighting
- Parking Lot Lighting

### DIMENSIONS



Effective Projected Area (EPA): 0.8 sq. ft. max. (0.074 sq. m.)  
Approximate Net Weight: 25.4 lbs. (11.52 kgs.)

### PRODUCT SPECIFICATIONS

#### OPTICAL

- Ideal LED replacement for 250-400W HPS roadway
- Precision optical lens design
- Photometric distributions available in Type II, III, III Wide, and V
- Standard 4000K CCT/ 70 CRI minimum, 3000K CCT/ 70 CRI minimum
- IP66 rated LED light engines

#### ELECTRICAL

- 120-277V 50/60Hz operation; 347-480V is also available
- Standard 0-10V dimming; DALI dimming option available
- 10kV/5kA Surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015
- 20kV/10kA SPD is also available

#### CONSTRUCTION

- Classic and modern cobra-head style design
- Heavy-duty die-cast aluminum housing and door
- Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter
- Slipfitter with  $\pm 5$  degree of adjustment for leveling
- Standard four-bolt/ two-brackets provides 3G vibration rating per ANSI C136.10-2001
- Tool-less entry for easy installation and maintenance

#### CONTROL

- NEMA 3-pin photocontrol receptacle is standard
- Advance 7-pin photocontrol receptacle available to meet ANSI C136.41

#### WARRANTY

- Ten-year warranty\*
- \* See your sales representative for warranty terms and conditions

#### RATING AND CERTIFICATIONS

- UL and cUL Wet Location Listed
- DesignLights Consortium® (DLC) Qualified Product<sup>1</sup>
- Dark Sky Compliant (<3000K CCT only)
- Rated for -40°C to +50°C ambient (-40°F to +130°F ambient)
- Certified to ANSI C136.31-2001 3G Vibration
- Meets FCC Part 15, Subpart B, Class A Standards
- Meets Buy American Requirements within ARRA
- RoHS Compliant
- Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

1. Not available in 1300mA and 1500mA drive current models

Catalog #	
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# SL3x L

## Roadway Lighting Luminaire

### PERFORMANCE TABLE

LED Number	Light Distribution	Drive Current (mA)	Color Temp. 4000K			Color Temp. 3000K		
			Flux (lm)	Power (W)	BUG Rating	Flux (lm)	Power (W)	BUG Rating
48	Type II (2M)	700	14303	105	B3-U0-G3	13638	105	B3-U0-G3
		1050	19876	160	B4-U0-G4	18951	160	B4-U0-G4
		1300	23275	198	B4-U0-G4	22192	198	B4-U0-G4
		1500	25906	230	B4-U0-G4	24701	230	B4-U0-G4
	Type II (2P)	700	13681	105	B2-U0-G2	13045	105	B2-U0-G2
		1050	19012	160	B3-U0-G3	18128	160	B3-U0-G3
		1300	22263	198	B3-U0-G3	21227	198	B3-U0-G3
		1500	24780	230	B3-U0-G3	23627	230	B3-U0-G3
	Type III (3D)	700	13806	105	B2-U0-G2	13164	105	B2-U0-G2
		1050	19185	160	B3-U0-G3	18292	160	B3-U0-G3
		1300	22465	198	B3-U0-G3	21420	198	B3-U0-G3
		1500	25005	230	B3-U0-G4	23842	230	B3-U0-G3
	Type III (3M)	700	14459	105	B3-U0-G3	13786	105	B3-U0-G3
		1050	20092	160	B4-U0-G4	19157	160	B4-U0-G4
		1300	23528	198	B4-U0-G4	22433	198	B4-U0-G4
		1500	26188	230	B4-U0-G4	24970	230	B4-U0-G4
	Type III (3P)	700	13681	105	B2-U0-G2	13045	105	B2-U0-G2
		1050	19012	160	B3-U0-G3	18128	160	B3-U0-G3
		1300	22263	198	B3-U0-G4	21227	198	B3-U0-G4
		1500	24780	230	B3-U0-G4	23627	230	B3-U0-G4
	Type V (5M)	700	14148	105	B4-U0-G2	13490	105	B4-U0-G2
		1050	19660	160	B4-U0-G2	18745	160	B4-U0-G2
		1300	23022	198	B5-U0-G3	21951	198	B5-U0-G3
		1500	25625	230	B5-U0-G3	24433	230	B5-U0-G3

Information shown above is based on nominal system data. Initial delivered lumens at 25°C (77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

### LUMEN MAINTENANCE

Model	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
700 mA	92.66%	85.72%	230,260 hrs
1050 mA	93.03%	87.07%	264,980 hrs
1500 mA	86.55%	74.78%	122,610 hrs

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80 (10,000 hour testing).

### ORDERING INFORMATION

Product Family	Product Series	Input Voltage	Light Distribution	LED Number	Color Temperature	Luminaire Type	Drive Current
ESU – e-lite star™ LED Street Light	F – SL3x Series	A01 – 120~277VAC A02 – 347~480VAC	2M – Type II Medium 2P – Type II Medium Narrow 3D – Type III Medium Extreme 3M – Type III Medium 3P – Type III Medium Wide 5M – Type V Medium	044 – 44 LEDs 048 – 48 LEDs	30 – 3000K 40 – 4000K	L – 3-Modules	700 – 700 mA 105 – 1050 mA 130 – 1300 mA 150 – 1500 mA

### ACCESSORY OPTIONS

LED Type	Finish	Safety Certificate	Door Entry	Driver Option	Control Option	SPD Rating	Additional Option	Additional Option
F	A – Gray (FS36173) B – Bronze (RAL 8019) I – Light Gray (RAL 7038) J – Black (RAL 9017)	U – UL	1 – Tool Less	1 – 0-10V 4 – 3 Ways Field Adjustable Selector 5 – DALI	N – None 1 – 3-Pin Photocontrol Receptacle 2 – Regular Photocontrol 3 – Shorting Cap 4 – Long Life Photocontrol 5 – 7-Pin Photocontrol Receptacle 6 – 7-Pin PCR & Shorting Cap 8 – 7-Pin PCR & Long Life Photocontrol 9 – 5-Pin Photocontrol Receptacle	1 – 10kV/5kA 3 – 20kV/10kA 4 – 20kV/10kA FTO	N – None 1 – House Side Shield 2 – Bird Guard 3 – House Side Shield & Bird Guard 6 – 6' Pre-wire	N – None

Please contact your sales representative for the latest product information.

Catalog #	
Project name	
Prepared by	

# SL3x M

## Roadway Lighting Luminaire

### PRODUCT OVERVIEW



### PRODUCT SPECIFICATIONS

#### OPTICAL

Ideal LED replacement for 150-310W HPS roadway  
Precision optical lens design  
Photometric distributions available in Type II, III, III Wide, and V  
Standard 4000K CCT/ 70 CRI minimum, 3000K CCT/ 70 CRI minimum  
IP66 rated LED light engines

#### ELECTRICAL

120-277V 50/60Hz operation; 347-480V is also available  
Standard 0-10V dimming; DALI dimming option available  
10kV/5kA Surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015  
20kV/10kA SPD is also available

#### CONSTRUCTION

Classic and modern cobra-head style design  
Heavy-duty die-cast aluminum housing and door  
Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter  
Slipfitter with ± 5 degree of adjustment for leveling  
Standard two-bolt/ one-bracket slipfitter provides 3G vibration rating per ANSI C136.10-2001  
Tool-less entry for easy installation and maintenance

#### CONTROL

NEMA 3-pin photocontrol receptacle is standard  
Advance 7-pin photocontrol receptacle available to meet ANSI C136.41

#### WARRANTY

Ten-year warranty\*  
\* See your sales representative for warranty terms and conditions

#### RATING AND CERTIFICATIONS

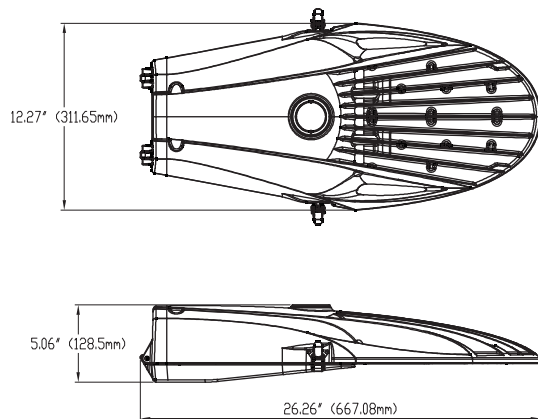
UL and cUL Wet Location Listed  
DesignLights Consortium® (DLC) Qualified Product<sup>1</sup>  
Dark Sky Compliant (<3000K CCT only)  
Rated for -40°C to +50°C ambient (-40°F to +130°F ambient)  
Certified to ANSI C136.31-2001 3G Vibration  
Meets FCC Part 15, Subpart B, Class A Standards  
Meets Buy American Requirements within ARRA  
RoHS Compliant  
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

1. Not available in 1300mA and 1500mA drive current models

### APPLICATIONS

- Roadway Lighting
- Parking Lot Lighting

### DIMENSIONS



Effective Projected Area (EPA): 0.66 sq. ft. max. (0.061 sq. m.)  
Approximate Net Weight: 18.7 lbs. (8.48 kgs.)

Catalog #	
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Prepared by	

# SL3x M

## Roadway Lighting Luminaire

### PERFORMANCE TABLE

LED Number	Light Distribution	Drive Current (mA)	Color Temp. 4000K			Color Temp. 3000K		
			Flux (lm)	Power (W)	BUG Rating	Flux (lm)	Power (W)	BUG Rating
32	Type II (2M)	700	9660	71	B3-U0-G3	9211	71	B3-U0-G3
		1050	13426	110	B3-U0-G3	12801	110	B3-U0-G3
		1300	15654	134	B3-U0-G3	14926	134	B3-U0-G3
		1500	17424	155	B3-U0-G3	16614	155	B3-U0-G3
	Type II (2P)	700	9240	71	B2-U0-G2	8810	71	B2-U0-G2
		1050	12842	110	B2-U0-G2	12245	110	B2-U0-G2
		1300	14973	134	B3-U0-G3	14277	134	B3-U0-G3
		1500	16667	155	B3-U0-G3	15891	155	B3-U0-G3
	Type III (3D)	700	9324	71	B2-U0-G2	8890	71	B2-U0-G2
		1050	12959	110	B2-U0-G2	12356	110	B2-U0-G2
		1300	15109	134	B2-U0-G2	14406	134	B2-U0-G2
		1500	16818	155	B3-U0-G3	16036	155	B2-U0-G3
	Type III (3M)	700	9765	71	B3-U0-G3	9311	71	B3-U0-G3
		1050	13572	110	B3-U0-G3	12940	110	B3-U0-G3
		1300	15824	134	B3-U0-G3	15088	134	B3-U0-G3
		1500	17614	155	B4-U0-G4	16794	155	B3-U0-G3
	Type III (3P)	700	9240	71	B2-U0-G2	8810	71	B2-U0-G2
		1050	12842	110	B2-U0-G2	12245	110	B2-U0-G2
		1300	14973	134	B2-U0-G3	14277	134	B2-U0-G3
		1500	16667	155	B2-U0-G3	15891	155	B2-U0-G3
	Type V (5M)	700	9555	71	B3-U0-G2	9110	71	B3-U0-G2
		1050	13280	110	B4-U0-G2	12662	110	B4-U0-G2
		1300	15483	134	B4-U0-G2	14763	134	B4-U0-G2
		1500	17235	155	B4-U0-G2	16433	155	B4-U0-G2

Information shown above is based on nominal system data. Initial delivered lumens at 25°C (77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

### LUMEN MAINTENANCE

Model	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
700 mA	92.66%	85.72%	230,260 hrs
1050 mA	93.03%	87.07%	264,980 hrs
1500 mA	86.55%	74.78%	122,610 hrs

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80 (10,000 hour testing).

### ORDERING INFORMATION

ESU-	F			032		M-	
Product Family	Product Series	Input Voltage	Light Distribution	LED Number	Color Temperature	Luminaire Type	Drive Current
ESU – e-lite star™ LED Street Light	F – SL3x Series	A01 – 120~277VAC A02 – 347~480VAC	2M – Type II Medium 2P – Type II Medium Narrow 3D – Type III Medium Extreme 3M – Type III Medium 3P – Type III Medium Wide 5M – Type V Medium	032 – 32 LEDs	30 – 3000K 40 – 4000K	M – 2-Modules	700 – 700 mA 105 – 1050 mA 130 – 1300 mA 150 – 1500 mA

### ACCESSORY OPTIONS

F	U	1-					N	
LED Type	Finish	Safety Certificate	Door Entry	Driver Option	Control Option	SPD Rating	Additional Option	Additional Option
F	A – Gray (FS36173) B – Bronze (RAL 8019) I – Light Gray (RAL 7038) J – Black (RAL 9017)	U – UL	1 – Tool Less	1 – 0-10V 4 – 3 Ways Field Adjustable Selector 5 – DALI	N – None 1 – 3-Pin Photocontrol Receptacle 2 – Regular Photocontrol 3 – Shorting Cap 4 – Long Life Photocontrol 5 – 7-Pin Photocontrol Receptacle 6 – 7-Pin PCR & Shorting Cap 8 – 7-Pin PCR & Long Life Photocontrol 9 – 5-Pin Photocontrol Receptacle	1 – 10kV/5kA 3 – 20kV/10kA 4 – 20kV/10kA FTO	N – None 1 – House Side Shield 2 – Bird Guard 3 – House Side Shield & Bird Guard 6 – 6' Pre-wire	N – None

Please contact your sales representative for the latest product information.

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# SL3x Mini

## Roadway Lighting Luminaire

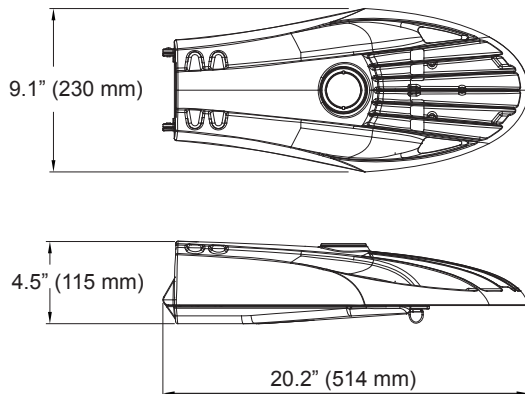
### PRODUCT OVERVIEW



### APPLICATIONS

- Roadway Lighting
- Backyard Security Lighting
- Parking Lot Lighting

### DIMENSIONS



Effective Projected Area (EPA): 0.48 sq. ft. max. (0.045 sq. m.)  
 Approximate Net Weight: 7.1 lbs. (3.22 kgs.)

### PRODUCT SPECIFICATIONS

#### OPTICAL

Ideal LED replacement for 100W HPS, 175W MV  
 Precision optical lens design  
 Photometric distributions available in Type II, III, and V  
 Standard 4000K CCT/ 70 CRI minimum, 3000K CCT/ 70 CRI minimum  
 IP66 rated LED light engines

#### ELECTRICAL

120-277V 50/60Hz operation  
 Standard 0-10V dimming; DALI dimming option available  
 10kV/10kA Surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015  
 20kV/10kA SPD is also available

#### CONSTRUCTION

Classic and modern cobra-head style design  
 Heavy-duty die-cast aluminum housing and UV stabilized polymeric door  
 Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter  
 Slipfitter with ± 5 degree of adjustment for leveling  
 Standard two-bolt/ one-bracket slipfitter/ optional four-bolt/ two-brackets available provides 3G vibration rating per ANSI C136.10-2001  
 Tool-less entry for easy installation and maintenance

#### CONTROL

NEMA 3-pin photocontrol receptacle is standard  
 Advance 7-pin photocontrol receptacle available to meet ANSI C136.41

#### WARRANTY

Ten-year warranty\*  
 \* See your sales representative for warranty terms and conditions

#### RATING AND CERTIFICATIONS

UL and cUL Wet Location Listed  
 DesignLights Consortium® (DLC) Qualified Product  
 Dark Sky Compliant (<3000K CCT only)  
 Rated for -40°C to +50°C ambient (-40°F to +130°F ambient)  
 Certified to ANSI C136.31-2001 3G Vibration  
 Meets FCC Part 15, Subpart B, Class A Standards  
 Meets Buy American Requirements within ARRA  
 RoHS Compliant  
 Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

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# SL3x Mini

## Roadway Lighting Luminaire

### PERFORMANCE TABLE

Lumen Package		08A	08B
Power (Watts)		29	53
Input Current @ 120V (A)		0.27	0.49
Input Current @ 277V (A)		0.12	0.21
Type II	4000K	3366	5287
	BUG Rating	B1-U0-G1	B1-U0-G1
	3000K	2950	4888
Type III	BUG Rating	B1-U0-G1	B1-U0-G1
	4000K	2873	5491
	3000K	2758	5231
Type V	BUG Rating	B1-U0-G1	B1-U0-G1
	4000K	3172	5991
	3000K	2971	5551
BUG Rating		B2-U0-G0	B3-U0-G1

Information shown above is based on nominal system data. Initial delivered lumens at 25°C (77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

### LUMEN MAINTENANCE

Model	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
SL3x Mini 08A (29W)	93.03 %	87.07 %	264,900 hrs
SL3x Mini 08B (53W)	93.70 %	88.68 %	314,800 hrs

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80 (10,000 hour testing).

### ORDERING INFORMATION

Product Family	Product Series	Input Voltage	Light Distribution	LED Number	Color Temperature	Luminaire Type	Drive Current
ESU – e-lite star™ LED Street Light	F – SL3x Series	A01 – 120~277VAC	2M – Type II Medium 3M – Type III Medium 5M – Type V Medium	08A – 29 W 08B – 53 W	30 – 3000K 40 – 4000K	N – Mini Module	105 – 1050 mA / 08A 700 – 700 mA / 08B

### ACCESSORY OPTIONS

LED Type	Finish	Safety Certificate	Door Entry	Driver Option	Control Option	SPD Rating	Additional Option	Additional Option
F – 08A K – 08B	A – Gray (FS36173) B – Bronze (RAL 8019) I – Light Gray (RAL 7038) J – Black (RAL 9017)	U – UL	1 – Tool Less	1 – 0-10V 4 – 3 Ways Field Adjustable Selector 5 – DALI	N – None 1 – 3-Pin Photocontrol Receptacle 2 – Regular Photocontrol 3 – Shorting Cap 4 – Long Life Photocontrol 5 – 7-Pin Photocontrol Receptacle 6 – 7-Pin PCR & Shorting Cap 8 – 7-Pin PCR & Long Life Photocontrol 9 – 5-Pin Photocontrol Receptacle	1 – 10kV/5kA 3 – 20kV/10kA 4 – 20kV/10kA FTO	N – None 1 – House Side Shield 2 – Bird Guard 3 – House Side Shield & Bird Guard 6 – 6' Pre-wire	N – None

Please contact your sales representative for the latest product information.

# SL3x S

## Roadway Lighting Luminaire

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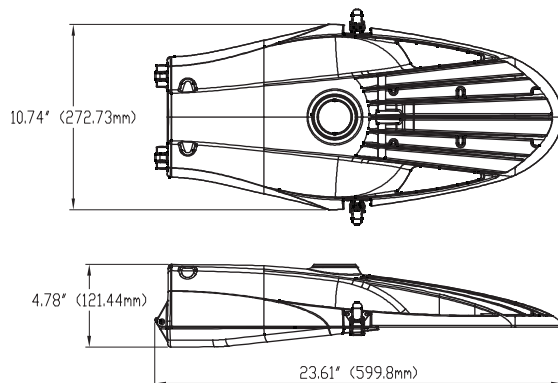
### PRODUCT OVERVIEW



### APPLICATIONS

- Roadway Lighting
- Backyard Security Lighting
- Parking Lot Lighting

### DIMENSIONS



Effective Projected Area (EPA): 0.54 sq. ft. max. (0.050 sq. m.)  
Approximate Net Weight: 12.12 lbs. (5.50 kgs.)

### PRODUCT SPECIFICATIONS

#### OPTICAL

- Ideal LED replacement for 100-200W HPS roadway
- Precision optical lens design
- Photometric distributions available in Type II, III, III Wide, and V
- Standard 4000K CCT/ 70 CRI minimum, 3000K CCT/ 70 CRI minimum
- IP66 rated LED light engines

#### ELECTRICAL

- 120-277V 50/60Hz operation
- Standard 0-10V dimming; DALI dimming option available
- 10kV/5kA Surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015
- 20kV/10kA SPD is also available

#### CONSTRUCTION

- Classic and modern cobra-head style design
- Heavy-duty die-cast aluminum housing and door
- Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter
- Slipfitter with  $\pm 5$  degree of adjustment for leveling
- Standard two-bolt provides 3G vibration rating per ANSI C136.10-2001
- Tool-less entry for easy installation and maintenance

#### CONTROL

- NEMA 3-pin photocontrol receptacle is standard
- Advance 7-pin photocontrol receptacle available to meet ANSI C136.41

#### WARRANTY

- Ten-year warranty\*
- \* See your sales representative for warranty terms and conditions

#### RATING AND CERTIFICATIONS

- UL and cUL Wet Location Listed
- DesignLights Consortium® (DLC) Qualified Product<sup>1</sup>
- Dark Sky Compliant (<3000K CCT only)
- Rated for -40°C to +50°C ambient (-40°F to +130°F ambient)
- Certified to ANSI C136.31-2001 3G Vibration
- Meets FCC Part 15, Subpart B, Class A Standards
- Meets Buy American Requirements within ARRA
- RoHS Compliant
- Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

1. Not available in 1300mA and 1500mA drive current models

Catalog #	
Project name	
Prepared by	

# SL3x S

## Roadway Lighting Luminaire

### PERFORMANCE TABLE

LED Number	Light Distribution	Drive Current (mA)	Color Temp. 4000K			Color Temp. 3000K		
			Flux (lm)	Power (W)	BUG Rating	Flux (lm)	Power (W)	BUG Rating
16	Type II (2M)	700	4858	35	B2-U0-G2	4632	35	B2-U0-G2
		1050	6751	55	B2-U0-G2	6437	55	B2-U0-G2
		1300	7848	72	B3-U0-G3	7483	72	B3-U0-G3
		1500	8736	81	B3-U0-G3	8330	81	B3-U0-G3
	Type II (2P)	700	4646	35	B1-U0-G1	4430	35	B1-U0-G1
		1050	6458	55	B1-U0-G1	6157	55	B1-U0-G1
		1300	7507	72	B2-U0-G2	7158	72	B2-U0-G2
		1500	8356	81	B2-U0-G2	7968	81	B2-U0-G2
	Type III (3D)	700	4689	35	B1-U0-G1	4471	35	B1-U0-G1
		1050	6517	55	B1-U0-G2	6213	55	B1-U0-G2
		1300	7575	72	B1-U0-G2	7223	72	B1-U0-G2
		1500	8432	81	B2-U0-G2	8040	81	B1-U0-G2
	Type III (3M)	700	4910	35	B2-U0-G2	4682	35	B2-U0-G2
		1050	6825	55	B2-U0-G2	6507	55	B2-U0-G2
		1300	7934	72	B3-U0-G3	7565	72	B3-U0-G3
		1500	8831	81	B3-U0-G3	8420	81	B3-U0-G3
	Type III (3P)	700	4646	35	B1-U0-G1	4430	35	B1-U0-G1
		1050	6458	55	B1-U0-G2	6157	55	B1-U0-G2
		1300	7507	72	B1-U0-G2	7158	72	B1-U0-G2
		1500	8356	81	B1-U0-G2	7968	81	B1-U0-G2
	Type V (5M)	700	4805	35	B3-U0-G1	4581	35	B3-U0-G1
		1050	6678	55	B3-U0-G1	6367	55	B3-U0-G1
		1300	7763	72	B3-U0-G2	7402	72	B3-U0-G2
		1500	8641	81	B3-U0-G2	8239	81	B3-U0-G2

Information shown above is based on nominal system data. Initial delivered lumens at 25°C (77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

### LUMEN MAINTENANCE

Model	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
700 mA	92.66%	85.72%	230,260 hrs
1050 mA	93.03%	87.07%	264,980 hrs
1500 mA	86.55%	74.78%	122,610 hrs

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80 (10,000 hour testing).

### ORDERING INFORMATION

Product Family	Product Series	Input Voltage	Light Distribution	LED Number	Color Temperature	Luminaire Type	Drive Current
ESU - e-lite star™ LED Street Light	F - SL3x Series	A01 - 120~277VAC	2M - Type II Medium 2P - Type II Medium Narrow 3D - Type III Medium Extreme 3M - Type III Medium 3P - Type III Medium Wide 5M - Type V Medium	016 - 16 LEDs	30 - 3000K 40 - 4000K	S - 1-Modules	700 - 700 mA 105 - 1050 mA 130 - 1300 mA 150 - 1500 mA

### ACCESSORY OPTIONS

LED Type	Finish	Safety Certificate	Door Entry	Driver Option	Control Option	SPD Rating	Additional Option	Additional Option
F	A - Gray (FS36173) B - Bronze (RAL 8019) I - Light Gray (RAL 7038) J - Black (RAL 9017)	U - UL	1 - Tool Less	1 - 0-10V 4 - 3 Ways Field Adjustable Selector 5 - DALI	N - None 1 - 3-Pin Photocontrol Receptacle 2 - Regular Photocontrol 3 - Shorting Cap 4 - Long Life Photocontrol 5 - 7-Pin Photocontrol Receptacle 6 - 7-Pin PCR & Shorting Cap 8 - 7-Pin PCR & Long Life Photocontrol 9 - 5-Pin Photocontrol Receptacle	1 - 10kV/5kA 3 - 20kV/10kA 4 - 20kV/10kA FTO	N - None 1 - House Side Shield 2 - Bird Guard 3 - House Side Shield & Bird Guard 6 - 6' Pre-wire	N - None

Please contact your sales representative for the latest product information.



Catalog #	
Project name	
Prepared by	

# CRLM

## Roadway Lighting Luminaire

### PRODUCT OVERVIEW



### PRODUCT SPECIFICATIONS

#### OPTICAL

Ideal LED replacement for 250W to 400W HPS roadway  
Precision optical lens design  
Photometric distributions available in Type II, III, IV, and V  
Standard 4000K CCT/ 70 CRI minimum, 2700K, 3000K, and 5000K CCT/ 70 CRI minimum option available  
IP66 rated LED light engines

#### ELECTRICAL

120-277V 50/60Hz operation; 347-480V is also available  
Standard 0-10V dimming; DALI dimming option available  
10kV/5kA Surge protection meets IEEE/ ANSI C62.41, ANSI C136.2-2015  
20kV/10kA SPD option meets IEEE/ANSI C62.41.2 Location Category C High, ANSI C136.2-2015 Extreme Level

#### CONSTRUCTION

Heavy-duty low copper die cast aluminum housing and door  
Arm mount is adjustable from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter  
Slipfitter with -5, -2.5, 0, +2.5, +5 degree of adjustment for leveling  
Standard two-bolt/ one-bracket slipfitter provides 3G vibration rating per ANSI C136.10-2001. Optional four-bolt/ two-bracket slipfitter available  
Tool-less available entry for easy installation and maintenance

#### CONTROL

Standard advance 7-pin photocontrol receptacle available to meet ANSI C136.41

#### WARRANTY

Ten-year warranty\*  
\* See your sales representative for warranty terms and conditions

#### RATING AND CERTIFICATIONS

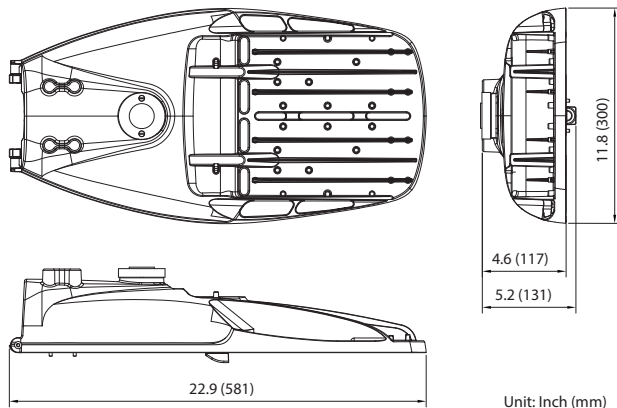
UL and cUL Wet Location Listed<sup>1</sup>  
DesignLights Consortium® (DLC) Qualified Product<sup>1</sup>  
Dark Sky Compliant (<3000K CCT only)  
Rated for -40°C to +50°C ambient (-40°F to +122°F ambient)<sup>2</sup>  
Certified to ANSI C136.31-2001 3G Vibration  
Meets FCC Part 15, Subpart B, Class A Standards<sup>1</sup>  
Meets Buy American Requirements within ARRA  
RoHS Compliant  
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

1. Work in progress  
2. -40°C to +45°C ambient for L240

### APPLICATIONS

- Area Lighting
- Residential Lighting
- Roadway Lighting
- Parking Lot Lighting

### DIMENSIONS



Approximate Net Weight: 12.8 lbs. (5.8 kgs.)  
Dimensions: 22.9" x 11.8" x 4.6" (581mm x 300mm x 117mm)  
Effective Projected Area (EPA): 0.56 sq. ft. max. (0.052 sq. m.)

Catalog #	
Project name	
Prepared by	

# EOI LED Roadway Lighting Compass Series

## PERFORMANCE TABLE

Light Distribution	Color Temp. 4000K					Color Temp. 3000K					Color Temp. 2700K				
	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating	Lumen Pack	Flux (lm)	Power (W)	LPW	BUG Rating
Type II	L120	12391	79	157	B3-U0-G2	L120	11771	79	149	B3-U0-G2	L120	11400	79	144	B3-U0-G2
	L140	13670	89	154	B3-U0-G2	L140	12986	89	146	B3-U0-G2	L140	12576	89	141	B3-U0-G2
	L160	15840	106	149	B3-U0-G2	L160	15048	106	141	B3-U0-G2	L160	14573	106	137	B3-U0-G2
	L180	17913	123	145	B3-U0-G3	L180	17017	123	138	B3-U0-G3	L180	16480	123	134	B3-U0-G3
	L220	21771	154	142	B3-U0-G3	L220	20683	154	135	B3-U0-G3	L220	20029	154	130	B3-U0-G3
Type III	L240	23763	171	139	B3-U0-G3	L240	22575	171	132	B3-U0-G3	L240	21862	171	128	B3-U0-G3
	L120	12527	79	158	B2-U0-G2	L120	11901	79	150	B2-U0-G2	L120	11525	79	146	B2-U0-G2
	L140	13820	89	155	B2-U0-G2	L140	13129	89	148	B2-U0-G2	L140	12714	89	143	B2-U0-G2
	L160	16014	106	151	B3-U0-G3	L160	15213	106	143	B3-U0-G3	L160	14733	106	138	B3-U0-G3
	L180	18110	123	147	B3-U0-G3	L180	17205	123	140	B3-U0-G3	L180	16661	123	135	B3-U0-G3
Type IV	L220	22010	154	143	B3-U0-G3	L220	20910	154	136	B3-U0-G3	L220	20249	154	132	B3-U0-G3
	L240	24024	171	140	B3-U0-G3	L240	22823	171	133	B3-U0-G3	L240	22102	171	129	B3-U0-G3
	L120	11846	79	150	B2-U0-G3	L120	11254	79	142	B2-U0-G3	L120	10898	79	138	B2-U0-G3
	L140	13069	89	147	B2-U0-G3	L140	12415	89	139	B2-U0-G3	L140	12023	89	135	B2-U0-G3
	L160	15144	106	142	B2-U0-G3	L160	14386	106	135	B2-U0-G3	L160	13932	106	131	B2-U0-G3
Type V	L180	17126	123	139	B2-U0-G3	L180	16269	123	132	B2-U0-G3	L180	15756	123	128	B2-U0-G3
	L220	20814	154	136	B3-U0-G4	L220	19773	154	129	B3-U0-G4	L220	19149	154	125	B3-U0-G4
	L240	22718	171	133	B3-U0-G4	L240	21582	171	126	B3-U0-G4	L240	20901	171	122	B3-U0-G4
	L120	12527	79	158	B4-U0-G2	L120	11901	79	150	B4-U0-G2	L120	11525	79	146	B4-U0-G2
	L140	13820	89	155	B4-U0-G2	L140	13129	89	148	B4-U0-G2	L140	12714	89	143	B4-U0-G2
Type V	L160	16014	106	151	B4-U0-G2	L160	15213	106	143	B4-U0-G2	L160	14733	106	138	B4-U0-G2
	L180	18110	123	147	B5-U0-G3	L180	17205	123	140	B5-U0-G3	L180	16661	123	135	B5-U0-G3
	L220	22010	154	143	B5-U0-G3	L220	20910	154	136	B5-U0-G3	L220	20249	154	132	B5-U0-G3
	L240	24024	171	140	B5-U0-G3	L240	22823	171	133	B5-U0-G3	L240	22102	171	129	B5-U0-G3

Information shown above is based on nominal system data. Initial delivered lumens at 25°C(77°F). Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

## LUMEN MAINTENANCE

Lumen Package	TM-21 Lumen Maintenance (50,000 hours)	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
L220	95.08%	81.4%	>100,000

Projected lumen maintenance per IES TM-21 at 25°C ambient and based on LM-80.

## ORDERING INFORMATION

CRLM-	A48			
Product Series	LED Engine	Lumen Package	Driver	Optics
CRLM – Compass Roadway Lighting Medium	A48 – 48LED	L120 – 12,000 lm L140 – 14,000 lm L160 – 16,000 lm L180 – 18,000 lm L220 – 22,000 lm L240 – 24,000 lm	UD – 120~277V, 0-10V HD – 347~480V, 0-10V DD – 120~277V, DALI DH – 347~480V, DALI	2M – Type II Medium 3M – Type III Medium 4M – Type IV Medium 5M – Type V Medium

Color Temperature	Paint	Surge Protection	Controls	Accessories
27 – 2700K 30 – 3000K 40 – 4000K 50 – 5000K	GY – Gray BZ – Bronze BK – Black GR – Green RAL 6012	10V – 10kV/5kA SPD 20V – 20kV/10kA SPD 20VF – 20kV/10kA Failed to Open	7R – 7-pin PCR P7 – Longlife Photocontrol and 7-pin PCR 7RD – 7-pin PCR and 8 Level Dimming P7D – Longlife Photocontrol, 7-pin PCR, and 8 Level	6-14A – 6' Pre-wire 14AWG Solid 5-14A – 5' Pre-wire 14AWG Solid FS – Fuse EB – External Bubble Leveling N – None