

DESCRIPTION

The Luminoso SLS Series delivers a high level of performance in a scalable, low-profile design. Our high-efficiency optics system provides uniformity while saving energy, illuminating walkways, parking lots, roadways, building areas and security lighting applications. IP65 rated and UL Listed for wet locations.

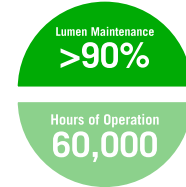
FEATURES

Our luminaire incorporates five types of optics, T2M, T3M, T4M, T5M, and AFL (Automotive Front-line). With a choice of 9 lumen packages, the SLS LED luminaire allows scalability from 12,800 to 90,000 delivered lumens. The color temperatures available are 3000K, 3500K, 4000K, and 5000K. Corrosion resistant polyester powder painted 100µm thickness. Meets a 1500-hour salt spray certification per ASTM B117/ ISO 9227.

FINISH:



Project:	Date
Type:	
Model:	



NUMBER OF LIGHT SQUARES



ORDER INFORMATION

EXAMPLE: SLS-SO-06-Y-50K-T4M-BZ-E



Series	Nominal Power			Voltage	CCT	Optics	Finish	Mounting	Back-light Shield
SLS-SO Standard Output 40W per Light Square 160 lm/W	02 80 Watts 12,800 Lumens	04 160 Watts 25,600 Lumens	06 240 Watts 38,400 Lumens	Y 120-277V HV 347-480V	30K 3000K 35K 3500K	T2M 2M	BK Black WH White BZ Bronze	ASF Adjustable Slip Fitter DA Direct Arm Mount	Blank Standard BS Back-light Shield
	T3M 3M T4M 4M								
SLS-HO High Output 50W per Light Square 150 lm/W	02 100 Watts 15,000 Lumens	04 200 Watts 30,000 Lumens	06 300 Watts 45,000 Lumens		40K 4000K 50K 5000K	T5M 5M AFL Automotive Front-line	SV Silver	TR Trunnion	
	08 400 Watts 60,000 Lumens	10 500 Watts 75,000 Lumens	12 600 Watts 90,000 Lumens						

Enter configuration: _____

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PERFORMANCE DATA


Number of Light Squares	2	4	6
Nominal Power (Watts)	80	160	240
SLS - S0 = 40W per Light Square 160 lm/W	12,800	25,600	38,400
Power Factor	0.95	0.95	0.95
CRI	80	80	80
Surge Protection	20kVA	20kVA	20kVA
Frequency	50/60Hz	50/60Hz	50/60Hz
Dimmable	0-10V	0-10V	0-10V
Weight	21.95 lb	28.66 lb	27.47 lb
Dimensions	24.01 x 9.64 x 3.74 in	24.01 x 15.35 x 3.74 in	24.01 x 21.06 x 3.74 in
LED Chips	Bridgelux5050	Bridgelux5050	Bridgelux5050
Operation Temperature	-10°F to 120°F	-10°F to 120°F	-10°F to 120°F
Receptacle	7 Pin NEMA	7 Pin NEMA	7 Pin NEMA
EPA Ratings			
EPA @ 0°	0.9	1.29	1.47
EPA @ 15°	0.94	1.34	1.53
EPA @ 30°	1.08	1.55	1.86
EPA @ 45°	1.8	2.58	2.94


Nominal Lumens are based on 4000K / 5000K*

Number of Light Squares	2	4	6	8	10	12
Nominal Power (Watts)	100	200	300	400	500	600
SLS - H0 = 50W per Light Square 150 lm/W	15,000	30,000	45,000	60,000	75,000	90,000
Power Factor	0.95	0.95	0.95	0.95	0.95	0.95
CRI	80	80	80	80	80	80
Surge Protection	20kVA	20kVA	20kVA	20kVA	20kVA	20kVA
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Dimmable	0-10V	0-10V	0-10V	0-10V	0-10V	0-10V
Weight	21.95 lb	28.66 lb	27.47 lb	46.29 lb	55.11 lb	64.59 lb
Dimensions (inches)	24.01x9.64x3.74	24.01x15.35x3.74	24.01x21.06x3.74	24.01x28.38x3.74	24.01x34.21x3.74	24.01x40x3.74
LED Chips	Bridgelux5050	Bridgelux5050	Bridgelux5050	Bridgelux5050	Bridgelux5050	Bridgelux5050
Operation Temperature	-10°F to 120°F	-10°F to 120°F	-10°F to 120°F	-10°F to 120°F	-10°F to 120°F	-10°F to 120°F
Receptacle	7 Pin NEMA	7 Pin NEMA	7 Pin NEMA	7 Pin NEMA	7 Pin NEMA	7 Pin NEMA
EPA Ratings						
EPA @ 0°	0.9	1.29	1.47	1.77	2.16	2.53
EPA @ 15°	0.94	1.34	1.53	1.84	2.25	2.63
EPA @ 30°	1.08	1.55	1.86	2.1	2.59	3.04
EPA @ 45°	1.8	2.58	2.94	3.54	4.32	5.1

Nominal Lumens are based on 4000K / 5000K*


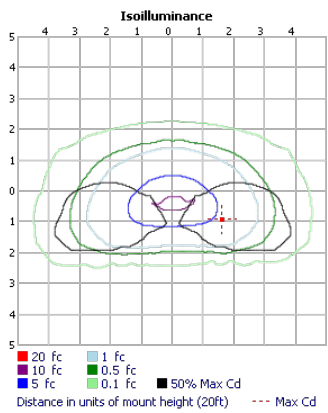
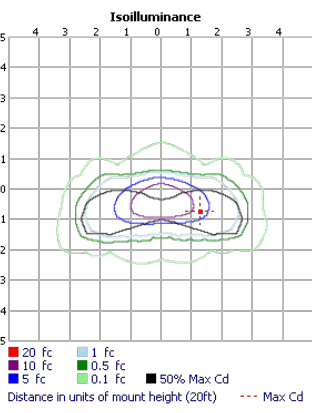
MOUNTING BRACKET OPTIONS

Mounting Bracket Model No.	Size	Finish
SLS-ASF (Adjustable Slip fitter)	SM (Small) / MD (Medium) / LG (Large)	BZ (Bronze) / SV (Silver)
		

Mounting Bracket Model No.	Size	Finish
SLS-DA (Direct Arm Mount)	SM (Small) / MD (Medium) / LG (Large)	BZ (Bronze) / SV (Silver)
		

Mounting Bracket Model No.	Size	Finish
SLS-TR (Trunnion)	SM (Small) / MD (Medium) / LG (Large)	BZ (Bronze) / SV (Silver)
		

Accessories (SOLD Separately)

Backlight Shield Data		
SLS-Backlight Shield	Without backlight shield (160W-ies)	With backlight shield (160W-ies)
 <p>Stainless steel Backlight shield</p>	 <p>Isoillumination</p> <p>Distance in units of mount height (20ft) --- Max Cd</p>	 <p>Isoillumination</p> <p>Distance in units of mount height (20ft) --- Max Cd</p>

Photocell Model No.
SLS-Photocell


80W (SLS-SO-02-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 7,400 6,167 4,933 3,700 2,467 1,233 0.00 1,233 2,467 3,700 4,933 6,167 7,400 VA: 0° 10° 20° 30° 40° - Max Cd: 300° H - 0° H - 90° H</p>	Cutoff Classification: CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 20.4 Max Cd, 80 to <90 Deg: 1,023.1 <hr/> Downward Street Side: 8,559.5 66.8% Downward House Side: 4,054.5 31.7% Downward Total: 12,614.0 98.5% Upward Street Side: 66.8 0.5% Upward House Side: 128.7 1% Upward Total: 195.5 1.5% <hr/> Total Lumens: 12,809.4 100%	BUG Rating <u>B3 - U3 - G3</u> Forward Light Lumens Lumens% Low(0-30): 1,040.3 8.1% Medium(30-60): 4,745.9 37% High(60-80): 2,737.8 21.4% Very High(80-90): 35.5 0.3% Back Light Low(0-30): 739.0 5.8% Medium(30-60): 2,158.8 16.9% High(60-80): 1,114.7 8.7% Very High(80-90): 42.0 0.3% Uplight High(90-100): 14.5 0.1% Very High(100-180): <u>180.9</u> 1.4% Trapped Light: 0.6 0%

160W (SLS-SO-04-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 15,000 12,500 10,000 7,500 5,000 2,500 0.00 2,500 5,000 7,500 10,000 12,500 15,000 VA: 0° 10° 20° 30° 40° - Max Cd: 300° H - 0° H - 90° H</p>	Cutoff Classification: CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 40.5 Max Cd, 80 to <90 Deg: 2,034.0 <hr/> Downward Street Side: 17,017.0 66.8% Downward House Side: 8,060 31.7% Downward Total: 25,077.5 98.5% Upward Street Side: 132.7 0.5% Upward House Side: 255.9 1% Upward Total: 388.6 1.5% <hr/> Total Lumens: 25,466.1 100%	BUG Rating <u>B3 - U3 - G3</u> Forward Light Lumens Lumens% Low(0-30): 2,068.2 8.1% Medium(30-60): 9,435.2 37.1% High(60-80): 5,442.9 21.4% Very High(80-90): 70.6 0.3% Back Light Low(0-30): 1,469.2 5.8% Medium(30-60): 4,291.9 16.9% High(60-80): 2,216.1 8.7% Very High(80-90): 83.4 0.3% Uplight High(90-100): 28.9 0.1% Very High(100-180): <u>359.7</u> 1.4% Trapped Light: 0.000 0%

240W (SLS-SO-06-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 21,000 17,500 14,000 10,500 7,000 3,500 0.00 3,500 7,000 10,500 14,000 17,500 21,000 VA: 0° 10° 20° 30° 40° - Max Cd: 310° H - 0° H - 90° H</p>	Cutoff Classification: SEMI-CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 95.0 Max Cd, 80 to <90 Deg: 4,040.9 <hr/> Downward Street Side: 27,961.2 71.3% Downward House Side: 10,717.7 27.3% Downward Total: 38,678.9 98.6% Upward Street Side: 164.7 0.4% Upward House Side: 391.9 1% Upward Total: 556.6 1.4% <hr/> Total Lumens: 39,235.5 100%	BUG Rating <u>B4 - U4 - G4</u> Forward Light Lumens Lumens% Low(0-30): 2,353.2 6% Medium(30-60): 14,542.7 37.1% High(60-80): 10,839.4 27.6% Very High(80-90): 225.9 0.6% Back Light Low(0-30): 1,380.5 3.5% Medium(30-60): 5,537.8 14.1% High(60-80): 3,603.9 9.2% Very High(80-90): 195.5 0.5% Uplight High(90-100): 53.2 0.1% Very High(100-180): <u>503.4</u> 1.3% Trapped Light: 0.000 0%

100W (SLS-HO-02-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table																																																															
<p>Polar Candela</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - Max Cd: 300° H ■ - 0° H ■ - 90° H</p>	<p>Cutoff Classification: CUTOFF</p> <p>Distribution: TYPE III, SHORT</p> <p>Max Cd, 90 Deg Vert: 23.9</p> <p>Max Cd, 80 to <90 Deg: 1,198.9</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>% Lamp</th> </tr> </thead> <tbody> <tr> <td>Downward Street Side:</td> <td>10,030.7</td> <td>66.8%</td> </tr> <tr> <td>Downward House Side:</td> <td>4,751.3</td> <td>31.6%</td> </tr> <tr> <td>Downward Total:</td> <td>14,782.0</td> <td>98.5%</td> </tr> <tr> <td>Upward Street Side:</td> <td>78.2</td> <td>0.5%</td> </tr> <tr> <td>Upward House Side:</td> <td>150.8</td> <td>1%</td> </tr> <tr> <td>Upward Total:</td> <td>229.0</td> <td>1.5%</td> </tr> <tr> <td>Total Lumens:</td> <td>15,011.1</td> <td>100%</td> </tr> </tbody> </table>		Lumens	% Lamp	Downward Street Side:	10,030.7	66.8%	Downward House Side:	4,751.3	31.6%	Downward Total:	14,782.0	98.5%	Upward Street Side:	78.2	0.5%	Upward House Side:	150.8	1%	Upward Total:	229.0	1.5%	Total Lumens:	15,011.1	100%	<p>BUG Rating <u>B3 - U3 - G3</u></p> <p>Forward Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>1,219.1</td> <td>8.1%</td> </tr> <tr> <td>Medium(30-60):</td> <td>5,561.6</td> <td>37%</td> </tr> <tr> <td>High(60-80):</td> <td>3,208.3</td> <td>21.4%</td> </tr> <tr> <td>Very High(80-90):</td> <td>41.6</td> <td>0.3%</td> </tr> </tbody> </table> <p>Back Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>866.0</td> <td>5.8%</td> </tr> <tr> <td>Medium(30-60):</td> <td>2,529.9</td> <td>16.9%</td> </tr> <tr> <td>High(60-80):</td> <td>1,306.3</td> <td>8.7%</td> </tr> <tr> <td>Very High(80-90):</td> <td>49.2</td> <td>0.5%</td> </tr> </tbody> </table> <p>Uplight</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>High(90-100):</td> <td>17.0</td> <td>0.1%</td> </tr> <tr> <td>Very High(100-180):</td> <td>212.0</td> <td>1.4%</td> </tr> </tbody> </table> <p>Trapped Light: 1.9 0%</p>		Lumens	Lumens%	Low(0-30):	1,219.1	8.1%	Medium(30-60):	5,561.6	37%	High(60-80):	3,208.3	21.4%	Very High(80-90):	41.6	0.3%		Lumens	Lumens%	Low(0-30):	866.0	5.8%	Medium(30-60):	2,529.9	16.9%	High(60-80):	1,306.3	8.7%	Very High(80-90):	49.2	0.5%		Lumens	Lumens%	High(90-100):	17.0	0.1%	Very High(100-180):	212.0	1.4%
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200W (SLS-HO-04-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table																																																															
<p>Polar Candela</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - Max Cd: 300° H ■ - 0° H ■ - 90° H</p>	<p>Cutoff Classification: CUTOFF</p> <p>Distribution: TYPE III, SHORT</p> <p>Max Cd, 90 Deg Vert: 50.9</p> <p>Max Cd, 80 to <90 Deg: 2,557.7</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>% Lamp</th> </tr> </thead> <tbody> <tr> <td>Downward Street Side:</td> <td>21,398.8</td> <td>66.8%</td> </tr> <tr> <td>Downward House Side:</td> <td>10,139.2</td> <td>31.6%</td> </tr> <tr> <td>Downward Total:</td> <td>31,535.0</td> <td>98.5%</td> </tr> <tr> <td>Upward Street Side:</td> <td>166.9</td> <td>0.5%</td> </tr> <tr> <td>Upward House Side:</td> <td>321.7</td> <td>1%</td> </tr> <tr> <td>Upward Total:</td> <td>488.6</td> <td>1.5%</td> </tr> <tr> <td>Total Lumens:</td> <td>32,023.6</td> <td>100%</td> </tr> </tbody> </table>		Lumens	% Lamp	Downward Street Side:	21,398.8	66.8%	Downward House Side:	10,139.2	31.6%	Downward Total:	31,535.0	98.5%	Upward Street Side:	166.9	0.5%	Upward House Side:	321.7	1%	Upward Total:	488.6	1.5%	Total Lumens:	32,023.6	100%	<p>BUG Rating <u>B4 - U3 - G4</u></p> <p>Forward Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>2,600.8</td> <td>8.1%</td> </tr> <tr> <td>Medium(30-60):</td> <td>11,864.8</td> <td>37%</td> </tr> <tr> <td>High(60-80):</td> <td>6,844.5</td> <td>21.4%</td> </tr> <tr> <td>Very High(80-90):</td> <td>88.8</td> <td>0.3%</td> </tr> </tbody> </table> <p>Back Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>1,847.5</td> <td>5.8%</td> </tr> <tr> <td>Medium(30-60):</td> <td>5,397.0</td> <td>16.9%</td> </tr> <tr> <td>High(60-80):</td> <td>2,786.7</td> <td>8.7%</td> </tr> <tr> <td>Very High(80-90):</td> <td>104.9</td> <td>0.3%</td> </tr> </tbody> </table> <p>Uplight</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>High(90-100):</td> <td>36.3</td> <td>0.1%</td> </tr> <tr> <td>Very High(100-180):</td> <td>452.3</td> <td>1.4%</td> </tr> </tbody> </table> <p>Trapped Light: 2.4 0%</p>		Lumens	Lumens%	Low(0-30):	2,600.8	8.1%	Medium(30-60):	11,864.8	37%	High(60-80):	6,844.5	21.4%	Very High(80-90):	88.8	0.3%		Lumens	Lumens%	Low(0-30):	1,847.5	5.8%	Medium(30-60):	5,397.0	16.9%	High(60-80):	2,786.7	8.7%	Very High(80-90):	104.9	0.3%		Lumens	Lumens%	High(90-100):	36.3	0.1%	Very High(100-180):	452.3	1.4%
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300W (SLS-HO-06-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table																																																															
<p>Polar Candela</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - Max Cd: 300° H ■ - 0° H ■ - 90° H</p>	<p>Cutoff Classification: SEMI-CUTOFF</p> <p>Distribution: TYPE III, SHORT</p> <p>Max Cd, 90 Deg Vert: 66.8</p> <p>Max Cd, 80 to <90 Deg: 4,995.8</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>% Lamp</th> </tr> </thead> <tbody> <tr> <td>Downward Street Side:</td> <td>31,672.9</td> <td>67%</td> </tr> <tr> <td>Downward House Side:</td> <td>14,942.0</td> <td>31.6%</td> </tr> <tr> <td>Downward Total:</td> <td>46,614.8</td> <td>98.6%</td> </tr> <tr> <td>Upward Street Side:</td> <td>217.9</td> <td>0.5%</td> </tr> <tr> <td>Upward House Side:</td> <td>435.0</td> <td>0.9%</td> </tr> <tr> <td>Upward Total:</td> <td>652.9</td> <td>1.4%</td> </tr> <tr> <td>Total Lumens:</td> <td>47,267.7</td> <td>100%</td> </tr> </tbody> </table>		Lumens	% Lamp	Downward Street Side:	31,672.9	67%	Downward House Side:	14,942.0	31.6%	Downward Total:	46,614.8	98.6%	Upward Street Side:	217.9	0.5%	Upward House Side:	435.0	0.9%	Upward Total:	652.9	1.4%	Total Lumens:	47,267.7	100%	<p>BUG Rating <u>B4 - U4 - G4</u></p> <p>Forward Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>3,818.6</td> <td>8.1%</td> </tr> <tr> <td>Medium(30-60):</td> <td>17,466.0</td> <td>37%</td> </tr> <tr> <td>High(60-80):</td> <td>10,256.3</td> <td>21.7%</td> </tr> <tr> <td>Very High(80-90):</td> <td>132.1</td> <td>0.3%</td> </tr> </tbody> </table> <p>Back Light</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>Low(0-30):</td> <td>2,738.1</td> <td>5.8%</td> </tr> <tr> <td>Medium(30-60):</td> <td>7,859.7</td> <td>16.6%</td> </tr> <tr> <td>High(60-80):</td> <td>4,178.2</td> <td>8.8%</td> </tr> <tr> <td>Very High(80-90):</td> <td>165.9</td> <td>0.4%</td> </tr> </tbody> </table> <p>Uplight</p> <table border="1"> <thead> <tr> <th></th> <th>Lumens</th> <th>Lumens%</th> </tr> </thead> <tbody> <tr> <td>High(90-100):</td> <td>50.0</td> <td>0.1%</td> </tr> <tr> <td>Very High(100-180):</td> <td>602.9</td> <td>1.3%</td> </tr> </tbody> </table> <p>Trapped Light: 0.006 0%</p>		Lumens	Lumens%	Low(0-30):	3,818.6	8.1%	Medium(30-60):	17,466.0	37%	High(60-80):	10,256.3	21.7%	Very High(80-90):	132.1	0.3%		Lumens	Lumens%	Low(0-30):	2,738.1	5.8%	Medium(30-60):	7,859.7	16.6%	High(60-80):	4,178.2	8.8%	Very High(80-90):	165.9	0.4%		Lumens	Lumens%	High(90-100):	50.0	0.1%	Very High(100-180):	602.9	1.3%
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400W (SLS-HO-08-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 37,000 30,833 24,667 18,500 12,333 6,167 0.00 6,167 12,333 18,500 24,667 30,833 37,000 VA: 0° 10° 20° 30° 40° - Max Cd: 300° H - 0° H - 90° H</p>	Cutoff Classification: SEMI-CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 85.8 Max Cd, 80 to <90 Deg: 5,915.7 <hr/> Downward Street Side: 42,009.1 66.9% Downward House Side: 19,977.7 31.8% Downward Total: 61,986.8 98.7% Upward Street Side: 272.4 0.4% Upward House Side: 538.7 0.9% <hr/> Upward Total: 811.1 1.3% Total Lumens: 62,797.9 100%	BUG Rating <u>B5 - U4 - G5</u> Forward Light Lumens Lumens% Low(0-30): 5,130.6 8.2% Medium(30-60): 23,346.2 37.2% High(60-80): 13,363.5 21.3% Very High(80-90): 168.8 0.3% Back Light Low(0-30): 3,619.9 5.8% Medium(30-60): 10,569.7 16.8% High(60-80): 5,570.9 8.9% Very High(80-90): 217.1 0.3% Uplight High(90-100): 64.0 0.1% Very High(100-180): 747.1 1.2% Trapped Light: 0.000 0%

500W (SLS-HO-10-T3M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 43,000 35,833 28,667 21,500 14,333 7,167 0.00 7,167 14,333 21,500 28,667 35,833 43,000 VA: 0° 10° 20° 30° 40° - Max Cd: 300° H - 0° H - 90° H</p>	Cutoff Classification: CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 119.4 Max Cd, 80 to <90 Deg: 5,994.7 <hr/> Downward Street Side: 50,153.5 66.8% Downward House Side: 23,756.7 31.6% Downward Total: 73,910.1 98.5% Upward Street Side: 391.2 0.5% Upward House Side: 754.1 1% <hr/> Upward Total: 1,145.2 1.5% Total Lumens: 75,055.3 100%	BUG Rating <u>B5 - U5 - G5</u> Forward Light Lumens Lumens% Low(0-30): 6,095.6 8.1% Medium(30-60): 27,808.0 37% High(60-80): 16,041.7 21.4% Very High(80-90): 208.1 0.3% Back Light Low(0-30): 4,330.1 5.8% Medium(30-60): 12,649.3 16.9% High(60-80): 6,531.3 8.7% Very High(80-90): 245.9 0.3% Uplight High(90-100): 85.1 0.1% Very High(100-180): 1,060.2 1.4% Trapped Light: 9.6 0%

600W (SLS-HO-12-T4M) Polar Candela	ROADWAY SUMMARY	LCS Table
<p>Polar Candela 180° 170° 160° 150° 140° 49,000 40,833 32,667 24,500 16,333 8,167 0.00 8,167 16,333 24,500 32,667 40,833 49,000 VA: 0° 10° 20° 30° 40° - Max Cd: 310° H - 0° H - 90° H</p>	Cutoff Classification: CUTOFF Distribution: TYPE III, SHORT Max Cd, 90 Deg Vert: 206.6 Max Cd, 80 to <90 Deg: 8,311.7 <hr/> Downward Street Side: 67,575.9 71.4% Downward House Side: 25,904.4 27.4% Downward Total: 93,480.3 98.8% Upward Street Side: 334.6 0.4% Upward House Side: 822.1 0.9% <hr/> Upward Total: 1,156.8 1.2% Total Lumens: 94,637.0 100%	BUG Rating <u>B5 - U5 - G5</u> Forward Light Lumens Lumens% Low(0-30): 5,685.1 6% Medium(30-60): 35,588.1 37.6% High(60-80): 25,751.4 27.2% Very High(80-90): 551.2 0.6% Back Light Low(0-30): 3,320.8 3.5% Medium(30-60): 13,530.9 14.3% High(60-80): 8,600.0 9.1% Very High(80-90): 452.7 0.5% Uplight High(90-100): 114.8 0.1% Very High(100-180): 1,041.9 1.1% Trapped Light: 0.1 0%