

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Symphony Remote Driver Series

Open Appearance 9" x 16" Cylinder • LED

Up to 60,000 Hour Life (L70) • Wet Location

LM-80 Qualified • LM-79 Certified Photometry

## SSR-09620



### Specifications

#### Delivered System Performance

- Lumen Series: **Must Specify**
  - 6500L: 6500 nominal lumens (74W)
  - 5000L: 5000 nominal lumens (55W)
  - 4000L: 4000 nominal lumens (42W)
  - 2500L: 2500 nominal lumens (35W)
- Distributions: MFL standard; Optional: -SPT or -WFL
- Color temperature: 3500°K standard; Optional: -27K, -30K, -41K or -50K
- CRI: 80+ standard; Optional: -HC (90+)
- 60,000 hour life (L70)
- Fully sustainable: removable for servicing

#### Thermal Management System

- All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance

#### Remote Power Supply Required

- For 0-10V use **SYM-CABNT**
- For DMX with RDM use **SYM-DMXPS**

#### SmartPower™ Battery Backup

- EMI-21220** for emergency power
- See specification sheet; order separately

#### Trim

- Clear specular aluminum trim
- Self-flanged, low glare cone; prismatic spread lens above
- Optional colors and finishes available

#### Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- Interlocking flare trim
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture
- Lightweight: minimizes ceiling load

#### Installation

- Requires minimum 16 AWG shielded twisted pair wire from driver to fixtures
- Maximum cable run from driver to fixture is 250'**
- Center point mounting for snug fit to ceiling. Mounting hardware furnished
- 2" collar for surface J-box mount; see Option -80

- Indoor or outdoor for covered ceiling use; Weather Cap available; see Option -89

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings; see Option -89

#### FCC Compliance

- FCC Part 15 certified for EMI/RFI emissions

#### FIVE YEAR Limited Warranty

- Complete standard fixture (must be used with SYM-CABNT or SYM-DMXPS)

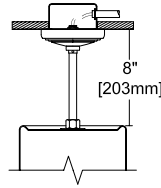
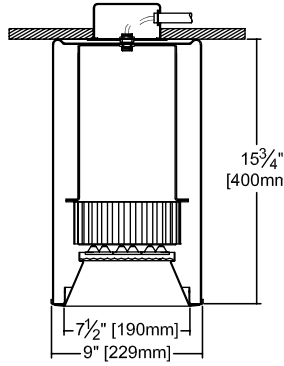


## Options and Ordering Configuration

(Example: SSR-09620-6500L-30K-SPT)

Must Specify		Optional					
Model	Lumens	Color Temp. (CCT)	Distribution	Lens & Trim	Housing Finish	Mounting	Other Options
SSR-09620							
	<b>-6500L</b> <b>-5000L</b> <b>-4000L</b> <b>-2500L</b>	<b>(Blank):</b> 3500°K <b>-27K:</b> 2700°K instead <b>-30K:</b> 3000°K instead <b>-41K:</b> 4100°K instead <b>-50K:</b> 5000°K instead <b>-HC:</b> 90+ CRI instead	<b>(Blank):</b> MFL <b>-SPT:</b> Spot distribution <b>-WFL:</b> Wide flood distribution	<b>(Blank):</b> Clear specular trim; lens above <b>-13:</b> Clear flat polycarbonate below with prismatic flat lens above <b>-23:</b> Frosted microprismatic lens instead <b>-30T:</b> White enamel (complete trim) <b>-70T:</b> Clear semi-specular SofTex™ (complete trim) <b>-94:</b> Custom color/finish; specify; consult factory <b>-WA:</b> White acrylic (flat) diffuser instead	<b>(Blank):</b> White enamel finish <b>-35:</b> Silver enamel finish <b>-37:</b> Dark bronze enamel finish <b>-38:</b> Black enamel finish <b>-94:</b> Custom color/finish; specify; consult factory	<b>(Blank):</b> Mounting hardware for surface mount <b>-54:</b> Safety cable from fixture through pendant stem and 12" beyond; use with -PM <b>-80:</b> 2" collar for mounting beneath outlet box; ½" T.S. KO's; add -89 for wet listing <b>-87:</b> Custom pendant or cable length; specify length; use with Option -ASB, -ASW or -PM <b>-88:</b> Swivel canopy for sloped ceilings up to 40°; use with Option -PM <b>-89:</b> Sealed top WeatherCap <b>-ASB:</b> Aircraft cable pendant mount; black cord. 48" or see -87; no wet listing <b>-ASW:</b> Aircraft cable pendant mount; white cord; 48" or see -87; no wet listing <b>-PM:</b> Pendant mount. 8" stem or see Option -87; add -89 for wet listing <b>-WB:</b> Wall bracket mount; add -89 for wet listing	<b>(Blank):</b> None <b>-99:</b> Special modification; consult factory

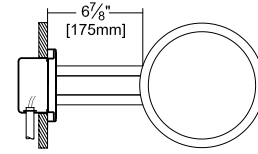
**Dimensions**



Representative Views:

(Left) With optional pendant mount (Option -PM)

(Right) With optional wall bracket (Option -WB)



**Photometry - Installed Complete Fixture**

Photometry from I.T.L., Boulder, CO

LM-79 IESNA Certified Photometry from Independent Lab

**-6500L STANDARD (MFL)**

Lumens: 5739  
Beam: ~39°  
SC: 0.7  
LPW: 79  
Efficiency: 71.5%  
ITL Test: 88084

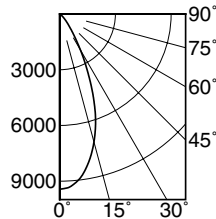


Total System Watts 72.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	9435	9435	9435	9435	9435
5	9165	9165	9165	9165	9165
15	7133	7133	7133	7133	7133
25	3755	3755	3755	3755	3755
35	1206	1206	1206	1206	1206
45	366	366	366	366	366
55	96	96	96	96	96
65	14	14	14	14	14
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	262.1	4.3
8	147.4	5.8
10	94.4	7.2
12	65.5	8.6
14	48.1	10.1
16	36.9	11.5



**-6500L Option -SPT**

Lumens: 6321  
Beam: ~18°  
SC: 0.3  
LPW: 87  
Efficiency: 78.8%  
ITL Test: 86314

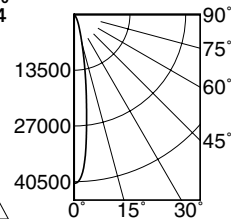


Total System Watts 72.5

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	40865	40865	40865	40865	40865
5	32468	32468	32468	32468	32468
15	7302	7302	7302	7302	7302
25	2120	2120	2120	2120	2120
35	542	542	542	542	542
45	205	205	205	205	205
55	64	64	64	64	64
65	10	10	10	10	10
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	1135.1	1.7
8	638.5	2.3
10	408.7	2.8
12	283.8	3.4
14	208.5	4.0
16	159.6	4.5



**-6500L Option -WFL**

Lumens: 6100  
Beam: ~46°  
SC: 0.8  
LPW: 84  
Efficiency: 76.0%  
ITL Test: 86312

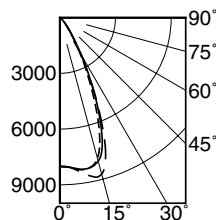


Total System Watts 72.5

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	8007	8007	8007	8007	8007
5	8141	8152	8156	8134	8118
15	7834	8241	8717	8409	7993
25	3803	4011	4326	4371	4261
35	1024	1074	1143	1137	1110
45	314	335	363	342	330
55	81	86	96	95	98
65	8	8	9	10	10
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	222.4	5.1
8	125.1	6.8
10	80.1	8.5
12	55.6	10.2
14	40.9	12.0
16	31.3	13.7



▲ Cone of Light Key  
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC

**See following page for -5000L, -4000L or -2500L performance**

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR ONE YEAR FROM DATE OF PURCHASE. INSTALLED TO N.E.C. / IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the years of original shipment. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is applied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

**Detailed Photometry - Installed Fixture**

Photometry from UL Verification Services, Allentown, PA

**SSR-09620-5000L PERFORMANCE**

**-5000L STANDARD (MFL)**

Lumens: 5007  
Beam: ~46°  
SC: 0.8  
LPW: 84  
Efficiency: 84.2%  
UL Test: 11356591.03

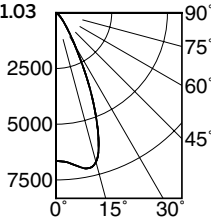


Total System Watts 59.4

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	6645	6645	6645	6645	6645
5	6761	6761	6761	6761	6761
15	6927	6927	6927	6927	6927
25	3362	3362	3362	3362	3362
35	912	912	912	912	912
45	319	319	319	319	319
55	84	84	84	84	84
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	185.0	5.1
8	104.0	6.8
10	66.4	8.4
12	46.1	10.1
14	33.9	11.8
16	26.0	13.5



**SSR-09620-4000L PERFORMANCE**

**-4000L STANDARD (MFL)**

Lumens: 3819  
Beam: ~31°  
SC: 0.6  
LPW: 86  
Efficiency: 80.1%  
UL Test: 11356591.05

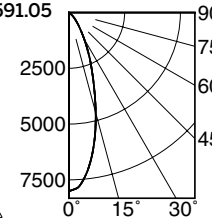


Total System Watts 44.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	8009	8009	8009	8009	8009
5	7517	7517	7517	7517	7517
15	4644	4644	4644	4644	4644
25	2158	2158	2158	2158	2158
35	854	854	854	854	854
45	330	330	330	330	330
55	63	63	63	63	63
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	222.0	3.3
8	125.0	4.4
10	80.1	5.6
12	55.6	6.7
14	40.9	7.8
16	31.3	8.9



**-5000L Option -SPT**

Lumens: 5163  
Beam: ~16°  
SC: 0.3  
LPW: 86  
Efficiency: 86.8%  
UL Test: 11356591.02

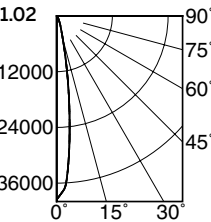


Total System Watts 59.8

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	39540	39540	39540	39540	39540
5	30210	30210	30210	30210	30210
15	5135	5135	5135	5135	5135
25	1473	1473	1473	1473	1473
35	517	517	517	517	517
45	234	234	234	234	234
55	38	38	38	38	38
65	5	5	5	5	5
75	3	3	3	3	3
85	3	3	3	3	3
90	3	3	3	3	3

**Cone of Light ▲**

Dist.	FC	Dia.
6	1100.0	1.6
8	618.0	2.2
10	385.0	2.7
12	275.0	3.3
14	202.0	3.8
16	154.0	4.4



**-4000L Option -SPT**

Lumens: 4130  
Beam: ~16°  
SC: 0.3  
LPW: 93  
Efficiency: 86.6%  
UL Test: 11356591.06

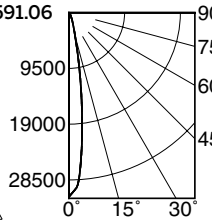


Total System Watts 44.5

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	31380	31380	31380	31380	31380
5	24360	24360	24360	24360	24360
15	4139	4139	4139	4139	4139
25	1186	1186	1186	1186	1186
35	414	414	414	414	414
45	189	189	189	189	189
55	25	25	25	25	25
65	2	2	2	2	2
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	872.0	1.7
8	490.0	2.2
10	314.0	2.8
12	218.0	3.3
14	160.0	3.9
16	123.0	4.4



**-5000L Option -WFL**

Lumens: 4306  
Beam: ~60°  
SC: 1.2  
LPW: 72  
Efficiency: 72.4%  
UL Test: 11356591.04

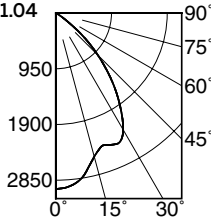


Total System Watts 59.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3000	3000	3000	3000	3000
5	2955	2955	2955	2955	2955
15	2535	2535	2535	2535	2535
25	2462	2462	2462	2462	2462
35	1901	1901	1901	1901	1901
45	1014	1014	1014	1014	1014
55	210	210	210	210	210
65	6	6	6	6	6
75	2	2	2	2	2
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	83.3	6.9
8	46.9	9.2
10	30.0	11.5
12	20.8	13.8
14	15.3	16.1
16	11.7	18.4



**-4000L Option -WFL**

Lumens: 3417  
Beam: ~59°  
SC: 1.1  
LPW: 77  
Efficiency: 71.7%  
UL Test: 11356591.08

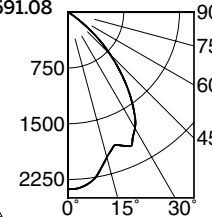


Total System Watts 44.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2383	2383	2383	2383	2383
5	2352	2352	2352	2352	2352
15	2021	2021	2021	2021	2021
25	1990	1990	1990	1990	1990
35	1514	1514	1514	1514	1514
45	802	802	802	802	802
55	165	165	165	165	165
65	5	5	5	5	5
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

**Cone of Light ▲**

Dist.	FC	Dia.
6	66.2	6.8
8	37.2	9.1
10	23.8	11.4
12	16.6	13.7
14	12.2	15.9
16	9.3	18.2



▲ Cone of Light Key  
Dist. Distance (Ft.) from fixture  
FC Footcandles at nadir (0°)  
Dia. (in ft.) shown is where FC value is half the FC at nadir.  
Dia. Circle of light at 50% of FC

**See following page for -2500L performance**

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

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# Detailed Photometry - Installed Fixture

## SSR-09620-2500L PERFORMANCE

### -2500L STANDARD (MFL)

Lumens: 2742  
Beam: ~32°  
SC: 0.6  
LPW: 74  
Efficiency: 73.8%  
UL Test: 1264616

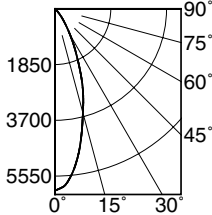


Total System Watts 36.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	6033	6033	6033	6033	6033
5	5639	5639	5639	5639	5639
15	3571	3571	3571	3571	3571
25	1685	1685	1685	1685	1685
35	535	535	535	535	535
45	87	87	87	87	87
55	29	29	29	29	29
65	4	4	4	4	4
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

#### Cone of Light ▲

Dist.	FC	Dia.
6	168.0	3.4
8	94.3	4.6
10	60.3	5.7
12	41.9	6.9
14	30.8	8.0
16	23.6	9.1



### -2500L Option -SPT

Lumens: 2760  
Beam: ~17°  
SC: 0.3  
LPW: 74  
Efficiency: 74.3%  
UL Test: 1259178

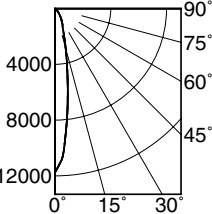


Total System Watts 37.3

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	11750	11750	11750	11750	11750
5	8900	8900	8900	8900	8900
15	2961	2961	2961	2961	2961
25	1282	1282	1282	1282	1282
35	613	613	613	613	613
45	247	247	247	247	247
55	24	24	24	24	24
65	3	3	3	3	3
75	1	1	1	1	1
85	1	1	1	1	1
90	1	1	1	1	1

#### Cone of Light ▲

Dist.	FC	Dia.
6	326.0	1.8
8	184.0	2.4
10	118.0	3.1
12	81.6	3.7
14	60.0	4.3
16	45.9	4.9



### -2500L Option -WFL

Lumens: 2703  
Beam: ~50°  
SC: 0.9  
LPW: 73  
Efficiency: 72.7%  
UL Test: 1259180

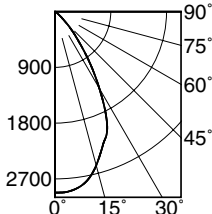


Total System Watts 36.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2921	2921	2921	2921	2921
5	2904	2904	2904	2904	2904
15	2570	2570	2570	2570	2570
25	1986	1986	1986	1986	1986
35	920	920	920	920	920
45	247	247	247	247	247
55	44	44	44	44	44
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

#### Cone of Light ▲

Dist.	FC	Dia.
6	81.1	5.6
8	45.6	7.5
10	29.2	9.4
12	20.3	11.3
14	14.9	13.2
16	11.4	15.0



▲ Cone of Light Key  
Dist. Distance (Ft.) from fixture  
Dia. (in ft.) shown is where FC value is half the FC at nadir.  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, IN-NORMAL USE, MANUFACTURER AT HIS OPTION WILL REPLACE OR REPAIR SUCH FIXTURE OR RETURN THE PURCHASE PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE TO THE OFFICES OF MANUFACTURER WITHIN THE YEARS OF ORIGINAL SHIPMENT. LIABILITY OF MANUFACTURER IS LIMITED TO THE FOREGOING AND MANUFACTURER SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, SUSTAINED OR SUFFERED BY PURCHASER OR ANY PERSON. THIS WARRANTY IS APPLIED TO THE BUYER IN PLACE OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SELLER DOES NOT WARRANT AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, NOR WILL ANY ORAL STATEMENT CONSTITUTE A WARRANTY OR AMEND THIS SPECIFIC WARRANTY. ABNORMAL USE, ABUSE OF THE FIXTURE, IMPROPER INSTALLATION, OR REPAIR OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER WILL RENDER THE WARRANTY VOID.

SMAPHONY  
MAY 2021