

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Symphony Remote Driver Series

Open Appearance 9" x 16" Cylinder • LED

Up to 60,000 Hour Rated 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 rated 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)

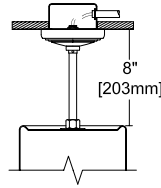
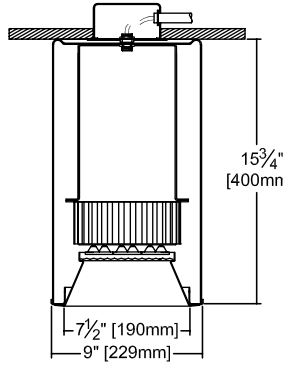


Options and Ordering Configuration

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

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

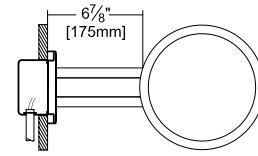
Dimensions



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

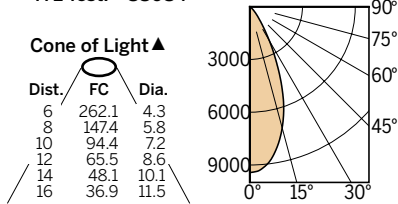
LM-79 IESNA Certified Photometry from Independent Lab

-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

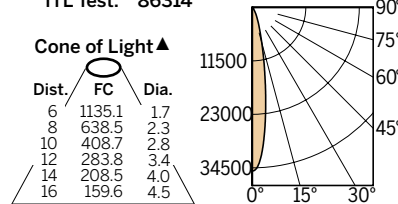


-6500L Option -SPT

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

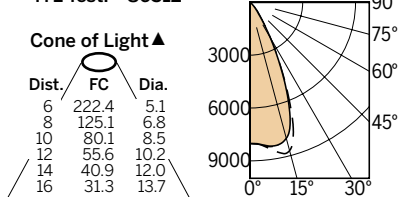


-6500L Option -WFL

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 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.

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SYMPHONY
NOVEMBER 2024

Detailed Photometry - Installed Fixture

Photometry from UL Verification Services, Allentown, PA

SSR-09620-5000L PERFORMANCE

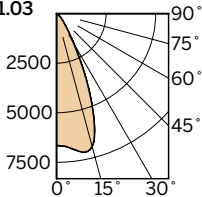
-5000L STANDARD (MFL)

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

Total System Watts 59.4

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



	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

SSR-09620-4000L PERFORMANCE

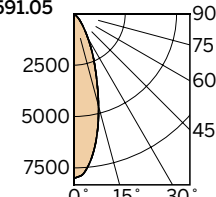
-4000L STANDARD (MFL)

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

Total System Watts 44.7

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



	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

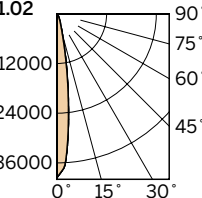
-5000L Option -SPT

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

Total System Watts 59.8

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



	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

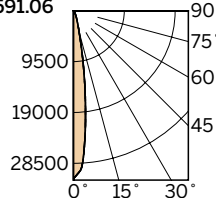
-4000L Option -SPT

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

Total System Watts 44.5

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



	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

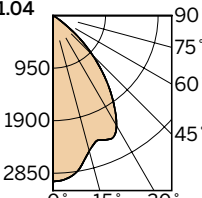
-5000L Option -WFL

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

Total System Watts 59.7

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



	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

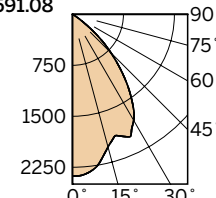
-4000L Option -WFL

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

Total System Watts 44.6

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



	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 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

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

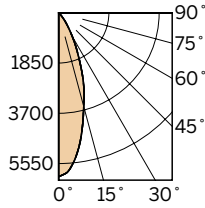
-2500L STANDARD (MFL)

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

Total System Watts 36.9

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



	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

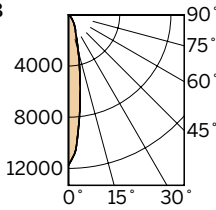
-2500L Option -SPT

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

Total System Watts 37.3

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



	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

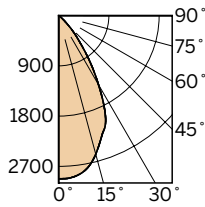
-2500L Option -WFL

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

Total System Watts 36.9

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



	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 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

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SYMPHONY
NOVEMBER 2024

Symphony Driver Modules

Fully Digital Controlled Power Source for LED Luminaires

Mounted in Kirlin's **SYM-CABNT**

Drivers wired in series



Driver Module	Maximum Capacity	Fixture Load Examples
DVR-1400A	Qty 1: 2500L Luminaires	<ul style="list-style-type: none"> Qty 1: SSR-09620-2500L
DVR-1400B *Not available with DMX dimming	Up to Qty 2: 2500L Luminaires	<ul style="list-style-type: none"> Qty 1: SSR-09620-2500L Qty 2: SSR-09620-2500L Qty 1: SSR-09620-2500L and Qty 1: SRR-07604-2500L
DVR-1050A	Qty 1: 4000L Luminaires	<ul style="list-style-type: none"> Qty 1: SSR-09620-4000L
DVR-1400B *Not available with DMX dimming	Qty 1: 5000L Luminaires	<ul style="list-style-type: none"> Qty 1: SSR-09620-5000L
DVR-1400A	Qty .5: 6500L Luminaires	<ul style="list-style-type: none"> Qty 1: SSR-09620-6500L requires Qty 2: DVR-1400A