

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Symphony Remote Driver Series

Open Appearance 7" Surface Square • LED

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

LM-80 Qualified • LM-79 Certified Photometry

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, -NFL 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**
- The **Symphony Configurator** can help determine the necessary components

SmartPower™ Battery Backup

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

Trim

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

Aluminum Housing

- Rigid, tempered extruded 6063-T6 with white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible housing 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 SmartDMX™ 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

SSS-07656



- 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)

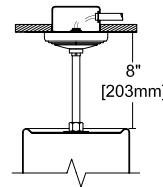
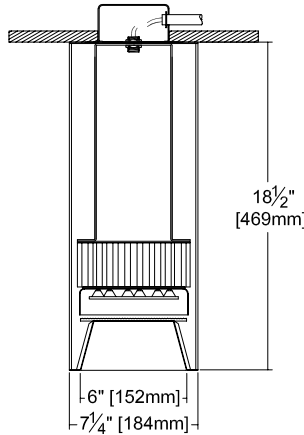
Options and Ordering Configuration

(Example: SSS-07656-6500L-30K-SPT)

Must Specify		Optional					
Model	Lumens	Color Temp. (CCT)	Distribution	Lens & Trim	Housing Finish	Mounting	Other Options
SSS-07656							
	-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 -NFL: Narrow flood distribution -SPT: Spot distribution -WFL: Wide flood distribution	(Blank): Clear specular trim; lens above -23: Frosted microprismatic lens instead -30T: White enamel (complete trim) -30F: White enamel (flange only) -70T: Clear semi-specular SofTex™ (complete trim) -94: Custom color/finish; specify; consult factory -WA: White acrylic (flat) diffuser instead	(Blank): White enamel -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



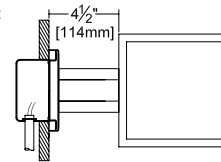
Dimensions



Representative Views:

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

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



Photometry - Installed Complete Fixture

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

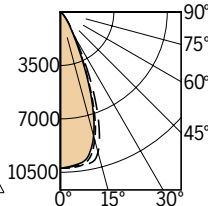
LM-79 IESNA Certified Photometry from Independent Lab

-6500L STANDARD (MFL)

Lumens: 6086
Beam: ~41°
SC: 0.7
LPW: 83
Efficiency: 78.3%
ITL Test: 86452

Cone of Light ▲

Dist.	FC	Dia.
6	284.3	4.5
8	159.9	6.0
10	102.4	7.5
12	71.1	9.0
14	52.2	10.5
16	40.0	12.0



Total System Watts 73.3

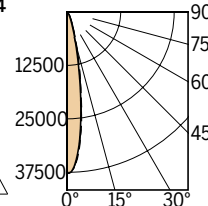
	0.0	22.5	45.0	67.5	90.0
0	10235	10235	10235	10235	10235
5	10214	10153	10140	10111	10086
15	8678	9074	9504	8809	8402
25	3428	3729	4137	3537	3235
35	1038	1012	988	972	958
45	329	318	350	298	290
55	56	69	79	64	53
65	1	2	3	2	1
75	1	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

-6500L Option -SPT

Lumens: 6450
Beam: ~19°
SC: 0.4
LPW: 88
Efficiency: 82.9%
ITL Test: 86454

Cone of Light ▲

Dist.	FC	Dia.
6	1047.9	2.0
8	589.4	2.6
10	377.2	3.3
12	262.0	3.9
14	192.5	4.6
16	147.4	5.2



Total System Watts 73.4

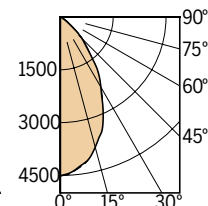
	0.0	22.5	45.0	67.5	90.0
0	37723	37723	37723	37723	37723
5	32037	31843	31643	31467	31438
15	8540	8475	8152	7741	7599
25	1901	2046	2123	1878	1703
35	601	660	676	585	527
45	197	204	230	185	182
55	31	42	51	38	27
65	1	1	2	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

-6500L Option -WFL

Lumens: 4680
Beam: ~19°
SC: 0.9
LPW: 64
Efficiency: 58.3%
ITL Test: 86455

Cone of Light ▲

Dist.	FC	Dia.
6	125.2	5.3
8	70.4	7.1
10	45.1	8.8
12	31.3	10.6
14	23.0	12.4
16	17.6	14.1



Total System Watts 72.8

	0.0	22.5	45.0	67.5	90.0
0	4506	4506	4506	4506	4506
5	4392	4360	4336	4350	4383
15	3784	3711	3760	3742	3829
25	2821	2805	2793	2838	2865
35	1778	1750	1717	1798	1841
45	850	784	851	807	873
55	170	201	226	206	176
65	4	4	7	4	4
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
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

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.

Detailed Photometry - Installed Fixture

Photometry from UL Verification Services, Allentown, PA

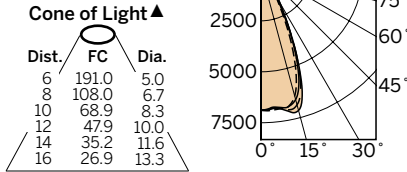
SSS-07656-5000L PERFORMANCE

-5000L STANDARD (MFL)

Lumens: 4816
Beam: ~45°
SC: 0.8
LPW: 81
Efficiency: 81.0%
UL Test: 11356591.23

Total System Watts 59.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	6891	6891	6891	6891	6891
5	6900	6893	6832	6805	6763
15	6406	6632	7140	6856	6587
25	2886	3127	3525	3516	3383
35	767	806	942	903	903
45	170	198	281	241	225
55	26	35	51	41	32
65	3	3	2	3	3
75	1	1	1	1	1
85	0	0	0	0	1
90	0	0	0	0	0



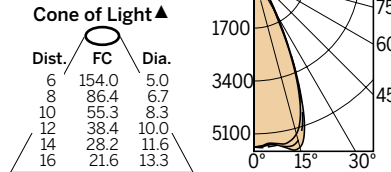
SSS-07656-4000L PERFORMANCE

-4000L STANDARD (MFL)

Lumens: 3863
Beam: ~45°
SC: 0.8
LPW: 87
Efficiency: 81.0%
UL Test: 11356591.23S

Total System Watts 44.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	5526	5526	5526	5526	5526
5	5534	5528	5479	5457	5424
15	5138	5319	5727	5499	5283
25	2314	2508	2827	2819	2713
35	615	646	756	724	724
45	137	159	225	193	180
55	21	28	41	33	26
65	2	2	2	2	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

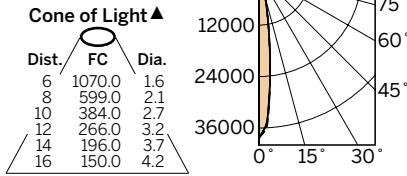


-5000L Option -SPT

Lumens: 4957
Beam: ~15°
SC: 0.3
LPW: 83
Efficiency: 83.4%
UL Test: 11356591.22

Total System Watts 59.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	38360	38360	38360	38360	38360
5	28920	28540	28180	28140	28210
15	5727	5744	5766	5543	5494
25	1232	1358	1680	1550	1329
35	363	411	502	507	424
45	110	134	170	149	122
55	11	21	31	22	10
65	1	1	1	1	1
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

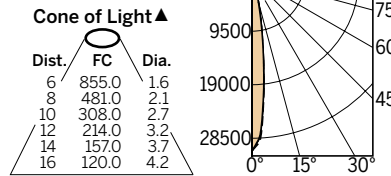


-4000L Option -SPT

Lumens: 3984
Beam: ~15°
SC: 0.3
LPW: 89
Efficiency: 83.6%
UL Test: 11356591.22S

Total System Watts 44.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	30760	30760	30760	30760	30760
5	23190	22890	22600	22570	22620
15	4593	4607	4624	4446	4406
25	988	1089	1348	1243	1066
35	291	329	402	406	340
45	88	107	137	119	97
55	9	1	25	17	8
65	1	0	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

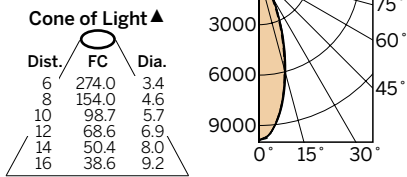


-5000L Option -NFL

Lumens: 4565
Beam: ~32°
SC: 0.6
LPW: 77
Efficiency: 76.8%
UL Test: 11356591.21

Total System Watts 59.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	9872	9872	9872	9872	9872
5	9278	9238	9268	9295	9297
15	5838	5850	5915	6006	6099
25	2482	2569	2735	2776	2746
35	864	912	971	994	981
45	237	266	322	289	272
55	23	40	57	44	28
65	3	3	2	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

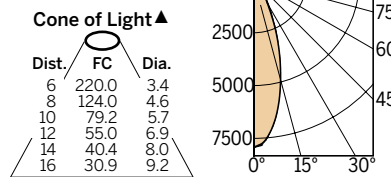


-4000L Option -NFL

Lumens: 3661
Beam: ~32°
SC: 0.6
LPW: 82
Efficiency: 76.8%
UL Test: 11356591.21S

Total System Watts 44.6

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	7917	7917	7917	7917	7917
5	7441	7409	7433	7455	7456
15	4682	4692	4744	4816	4892
25	1990	2061	2193	2227	2202
35	693	732	779	797	787
45	190	214	258	232	219
55	18	32	46	35	22
65	2	2	2	2	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

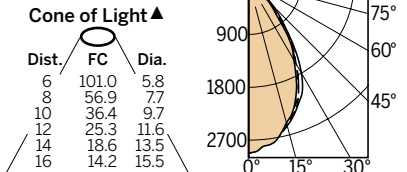


-5000L Option -WFL

Lumens: 4014
Beam: ~52°
SC: 1.0
LPW: 67
Efficiency: 67.5%
UL Test: 11356591.24

Total System Watts 59.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3641	3641	3641	3641	3641
5	3460	3484	3495	3506	3513
15	3161	3149	3170	3044	3106
25	2509	2605	2925	2500	2410
35	1591	1648	2242	1572	1516
45	662	392	1138	675	606
55	94	136	349	123	76
65	8	7	29	6	7
75	2	2	5	1	2
85	0	0	1	0	0
90	0	0	0	0	0

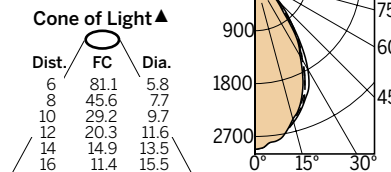


-4000L Option -WFL

Lumens: 3219
Beam: ~52°
SC: 1.0
LPW: 72
Efficiency: 67.5%
UL Test: 11356591.24S

Total System Watts 44.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2920	2920	2920	2920	2920
5	2775	2794	2803	2812	2818
15	2535	2525	2542	2441	2491
25	2012	2090	2135	2005	1933
35	1276	1322	1341	1260	1216
45	531	555	614	542	486
55	75	109	138	99	61
65	6	6	4	5	6
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.

Detailed Photometry - Installed Fixture

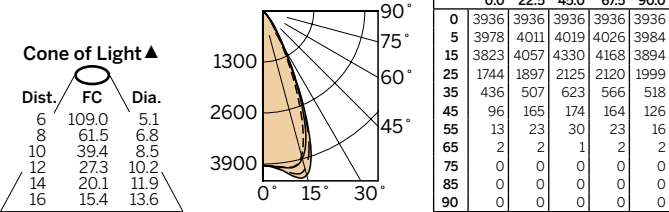
Photometry from UL Verification Services, Allentown, PA

SSS-07656-2500L PERFORMANCE

-2500L STANDARD (MFL)

Lumens: 2932
Beam: ~46°
SC: 0.8
LPW: 80
Efficiency: 78.9%
UL Test: 1259204

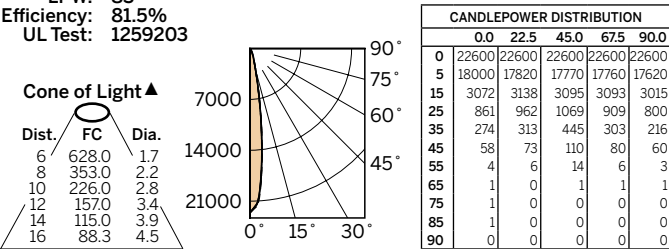
Total System Watts 36.7



-2500L Option -SPT

Lumens: 3028
Beam: ~16°
SC: 0.3
LPW: 83
Efficiency: 81.5%
UL Test: 1259203

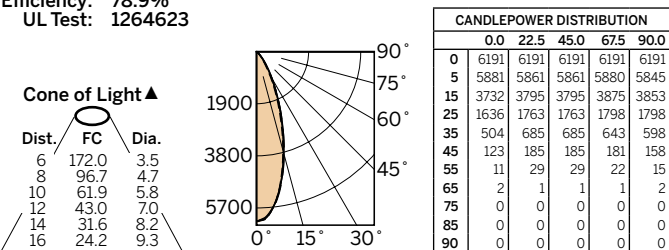
Total System Watts 36.7



-2500L Option -NFL

Lumens: 2932
Beam: ~32°
SC: 0.6
LPW: 80
Efficiency: 78.9%
UL Test: 1264623

Total System Watts 36.8



▲ Cone of Light Key
Dist. Distance (Ft.) from fixture
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. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his 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 five 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 supplied 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.

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	• Qty 1: SSS-07656-2500L
DVR-1400B *Not available with DMX dimming	Up to Qty 2: 2500L Luminaires	• Qty 1: SSS-07656-2500L • Qty 2: SSS-07656-2500L • Qty 1: SSS-07656-2500L and Qty 1: SRS-06648-2500L
DVR-1050A	Qty 1: 4000L Luminaires	• Qty 1: SSS-07656-4000L
DVR-1400B *Not available with DMX dimming	Qty 1: 5000L Luminaires	• Qty 1: SSS-07656-5000L
DVR-1400A	Qty .5: 6500L Luminaires	• Qty 1: SSS-07656-6500L requires Qty 2: DVR-1400A