

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Symphony Remote Driver Series

Open Appearance 6" Adjustable • LED

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

LM-80 Qualified • LM-79 Certified Photometry

SRS-06648



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: NFL standard; Optional: -SPT or -MFL
- 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

Center Beam Optics

- Tilts up to 35° and locks in place.
- Rotates full 360° and locks in place
- Accommodates sloped ceilings up to 35°

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 angle-cut square; tempered glass lens above
- Optional colors and finishes available

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion: Exceeds 1000 hour ASTM 5% salt spray test
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture; built-in plaster flange

Outlet Box

- UL listed J-box with insulated removable cover; prewired 14 GA (NEC) with ½" and ¾" knockouts

Installation

- Requires minimum 16 AWG shielded twisted pair wire from SmartDMX™ to fixtures
- Maximum cable run from driver to fixture is 250'**

- Recesses in ceilings up to 1¼" thick or see Option -79
- Compatible with fire rated enclosures (by others)
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied

UL, C-UL (Canada) Listings

- Wet, damp, dry locations, covered ceilings
- 2500L (only): Type IC - for direct contact with insulation

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)

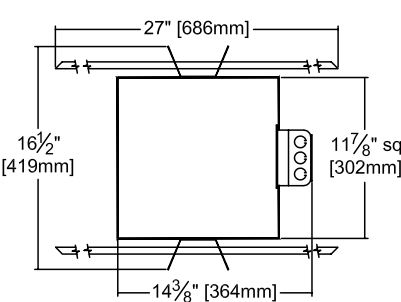
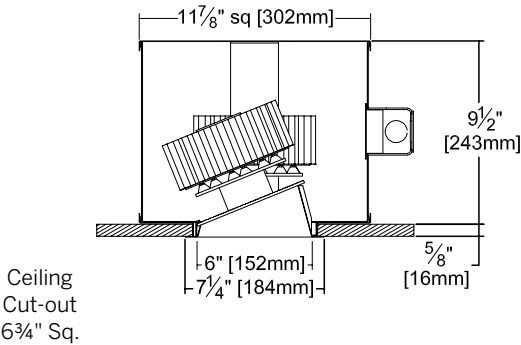
Options and Ordering Configuration

(Example: SRS-06648-6500L-30K-SPT)

Must Specify		Optional			
Model	Lumens	Color Temp. (CCT)	Distribution	Lens & Trim	Other Options
SRS-06648					
	-6500L	(Blank): 3500°K	(Blank): MFL	(Blank): Clear specular trim; lens above	(Blank): None
	-5000L	-27K: 2700°K instead	-NFL: Narrow flood distribution	-30T: White enamel (complete trim)	-79: Extension collar for ceilings up to 2" thick
	-4000L	-30K: 3000°K instead	-SPT: Spot distribution	-30F: White enamel (flange only)	-99: Special modification; consult factory
	-2500L	-41K: 4000°K instead		-32: White oversize trim ring; specify O.D.	-AT: Air tight version; meets ASTM E283 restricted airflow of 2 CFM maximum
		-50K: 5000°K instead		-37F: Dark bronze enamel (flange only)	-RH: Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14 ⅛" to 25 ⅞" with ⅝" vertical adjustability
		-HC: 90+ CRI instead		-38F: Black enamel (flange only)	-SH: Sealed housing and junction box for -6500L or -5000L; see Option -AT for use with -2500L
				-45: Gasket between trim flange and ceiling	-TA: Top Access for servicing from above ceiling
				-94: Custom color/finish; specify; consult factory	
				-DL: Downlight cone instead; clear specular finish standard or add optional trim selection	



Dimensions



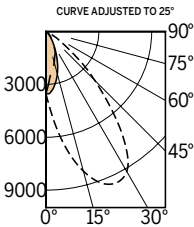
Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

-6500L STANDARD (NFL)

Lumens: 5457
Beam: ~38°
SC: 0.6
LPW: 75
Efficiency: 68.0%
ITL Test: 88090

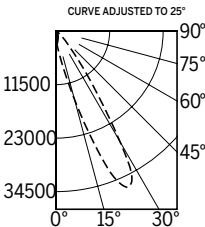


Total System Watts 73.2

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3511	3511	3511	3511	3511
5	5069	4507	3410	2730	2593
15	8197	5852	2488	1757	1806
25	9470	5536	1341	970	1209
35	7855	3466	589	469	628
45	3916	1503	225	191	306
55	1141	441	69	50	131
65	201	90	12	3	46
75	12	4	2	1	1
85	0	0	0	0	0
90	0	0	0	0	0

-6500L Option -SPT

Lumens: 5853
Beam: ~16°
SC: 0.3
LPW: 80
Efficiency: 75.3%
ITL Test: 86457

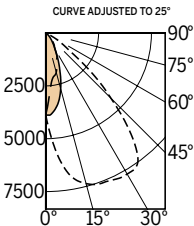


Total System Watts 73.1

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2367	2367	2367	2367	2367
5	3443	2828	2196	2564	2675
15	15083	4982	1522	1328	1259
25	36926	4032	753	752	756
35	12175	1716	358	333	406
45	2497	668	150	151	229
55	606	206	43	22	112
65	81	41	2	2	22
75	4	1	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

-6500L Option -MFL

Lumens: 5654
Beam: ~47°
SC: 0.8
LPW: 77
Efficiency: 72.7%
ITL Test: 86458



Total System Watts 73.1

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	3876	3876	3876	3876	3876
5	5627	5066	3775	2856	2598
15	7373	6833	2730	1890	1924
25	7651	6177	1367	1086	1259
35	7561	3495	587	529	701
45	4358	1241	260	264	390
55	1153	400	95	105	186
65	201	109	19	9	74
75	6	4	1	0	0
85	0	0	0	0	0
90	0	0	0	0	0

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

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

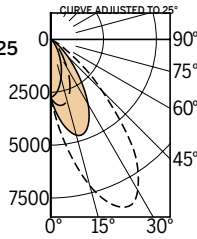
Detailed Photometry - Installed Fixture

Photometry from UL Verification Services, Allentown, PA

SRS-06648-5000L PERFORMANCE

-5000L STANDARD (NFL)

Lumens: 4702
Beam: ~37°
SC: 0.6
LPW: 78
Efficiency: 79.1%
UL Test: 11356591.25



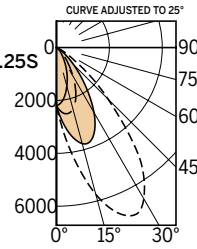
Total System Watts 59.0

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2752	2752	2752	2752	2752
5	4068	3567	2595	2020	1810
15	7161	4688	1886	1240	1278
25	8707	4268	1089	795	938
35	7102	2640	503	453	567
45	3444	1149	202	190	291
55	967	352	60	45	130
65	143	69	9	4	37
75	6	4	2	1	1
85	0	0	0	0	0
90	0	1	0	3	0

SRS-06648-4000L PERFORMANCE

-4000L STANDARD (NFL)

Lumens: 3602
Beam: ~37°
SC: 0.6
LPW: 80
Efficiency: 75.5%
UL Test: 11356591.25S

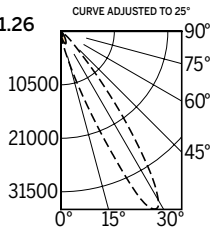


Total System Watts 44.9

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2207	2207	2207	2207	2207
5	3263	2860	2081	1620	1451
15	5743	3760	1513	994	1025
25	6983	3423	873	638	753
35	5696	2117	403	363	454
45	2762	921	162	153	233
55	776	282	48	36	104
65	114	55	8	3	30
75	5	3	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

-5000L Option -SPT

Lumens: 4692
Beam: ~16°
SC: 0.3
LPW: 80
Efficiency: 78.9%
UL Test: 11356591.26

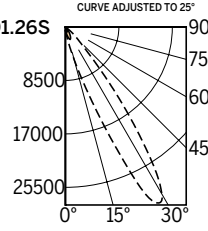


Total System Watts 59.0

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	629	629	629	629	629
5	1148	928	604	471	433
15	6676	2143	532	619	845
25	35020	2411	379	402	597
35	23920	1272	217	272	266
45	3528	543	102	105	198
55	461	176	36	18	154
65	53	31	4	3	71
75	4	1	2	1	14
85	0	0	0	0	10
90	0	0	0	1	0

-4000L Option -SPT

Lumens: 3878
Beam: ~16°
SC: 0.3
LPW: 88
Efficiency: 81.3%
UL Test: 11356591.26S

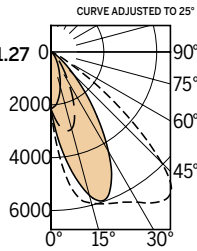


Total System Watts 44.2

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	504	504	504	504	504
5	921	744	484	377	347
15	5354	1719	427	496	678
25	28090	1934	304	322	479
35	19190	1020	174	218	214
45	2830	435	82	84	123
55	369	141	29	15	57
65	42	25	4	2	11
75	3	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

-5000L Option -MFL

Lumens: 4561
Beam: ~47°
SC: 0.8
LPW: 77
Efficiency: 76.7%
UL Test: 11356591.27

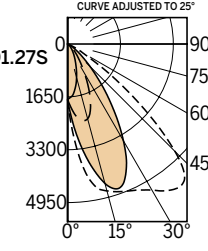


Total System Watts 59.0

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	2158	2158	2158	2158	2158
5	4074	3375	2030	1264	1072
15	5919	5616	1349	512	540
25	6279	5400	700	526	674
35	6947	3124	335	320	495
45	5908	1237	149	169	275
55	1844	371	53	56	124
65	263	83	10	5	49
75	5	3	0	0	1
85	0	0	0	0	0
90	0	0	0	0	0

-4000L Option -MFL

Lumens: 3815
Beam: ~47°
SC: 0.8
LPW: 86
Efficiency: 80.0%
UL Test: 11356591.27S



Total System Watts 44.2

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1730	1730	1730	1730	1730
5	3257	2707	1628	1014	860
15	4747	4504	1082	411	433
25	5035	4331	561	422	541
35	5571	2505	269	256	397
45	4738	992	120	135	220
55	1479	297	43	45	99
65	211	67	8	4	39
75	4	2	0	0	1
85	0	0	0	0	0
90	0	0	0	0	0

See following page for -2500L performance

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

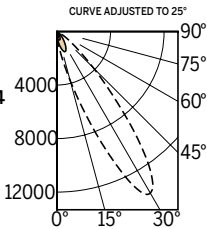
Detailed Photometry - Installed Fixture

Photometry from UL Verification Services, Allentown, PA

SRS-06648-2500L PERFORMANCE

-2500L STANDARD (NFL)

Lumens: 2814
Beam: ~21°
SC: 0.5
LPW: 77
Efficiency: 75.7%
UL Test: 1264624

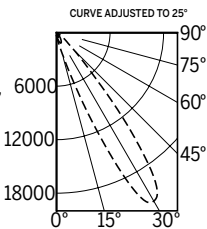


Total System Watts 36.5

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	433	433	433	433	433
5	817	670	414	297	254
15	3775	1370	355	226	442
25	11820	1559	254	289	401
35	11710	971	137	175	240
45	3854	435	61	77	117
55	910	153	21	23	53
65	123	32	5	3	19
75	4	2	1	0	1
85	0	0	0	0	0
90	0	0	0	0	0

-2500L Option -SPT

Lumens: 2794
Beam: ~19°
SC: 0.3
LPW: 77
Efficiency: 75.2%
UL Test: 1259207

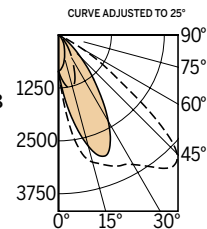


Total System Watts 36.5

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	297	297	297	297	297
5	494	428	294	215	182
15	2357	975	277	155	274
25	17500	1234	235	287	298
35	17870	746	122	159	201
45	2858	302	52	58	103
55	658	104	15	7	58
65	64	16	4	3	7
75	2	2	3	2	2
85	1	1	2	1	1
90	1	1	1	1	1

-2500L Option -MFL

Lumens: 2721
Beam: ~45°
SC: 0.8
LPW: 75
Efficiency: 73.2%
UL Test: 1259208



Total System Watts 36.5

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	844	844	844	844	844
5	1718	1415	791	498	395
15	3109	2714	552	230	206
25	3410	2879	324	274	549
35	3798	1730	183	204	425
45	3953	746	86	122	258
55	1477	257	31	35	110
65	197	58	6	5	39
75	3	2	1	1	2
85	0	1	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

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 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: SRS-06648-2500L
DVR-1400B *Not available with DMX dimming	Up to Qty 2: 2500L Luminaires	• Qty 1: SRS-06648-2500L • Qty 2: SRS-0664-2500L • Qty 1: SRS-06642-2500L and Qty 1: SRS-06648-2500L
DVR-1050A	Qty 1: 4000L Luminaires	• Qty 1: SRS-06648-4000L
DVR-1400B *Not available with DMX dimming	Qty 1: 5000L Luminaires	• Qty 1: SRS-06648-5000L
DVR-1400A	Qty .5: 6500L Luminaires	• Qty 1: SRS-06648-6500L requires Qty 2: DVR-1400A