KIRLIN ARCHITECTURAL LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Symphony Remote Driver Series

SRR-06602

Open Appearance 6" Downlight • LED

Up to 60,000 Hour Life • Type IC • Wet Location

LM-80 Qualified • LM-79 Certified Photometry

Specifications

Delivered System Performance
- Lumen Series: **MUST SPECIFY**
  -5000L: 5000 nominal lumens (55W)
  -4000L: 4000 nominal lumens (42W)
  -2500L: 2500 nominal lumens (35W)
- Distribution: 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

Acrylic Enameled Aluminum Housing
- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test
- Shallow depth fits restricted plenums.
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire, including LED light engine, is modular, 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 driver to fixtures
- **Maximum cable run from driver to fixture is 250'**
- Recesses indoor or outdoor
- Accommodates ceilings up to 1⅛" 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 or 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)

Made in the USA | FCC Part 15 Certified | UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: SRR-06602-5000L-30K-SPT)

Must Specify		Optional			
Model	**Lumens**	**Color Temp. (CCT)**	**Distribution**	**Lens & Trim**	**Other Options**
SRR-06602					
	-5000L **-4000L** **-2500L**	**(Blank):** 3500°K **-27K:** 2700°K instead **-30K:** 3000°K instead **-41K:** 4100°K instead **-50K:** 5000°K instead **-HC:** 90+ CRI instead; consult factory	**(Blank):** MFL **-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) **-32:** White oversize trim ring; specify O.D. **-33:** Decorative Glow Ring; see last page for details **-37F:** Dark bronze enamel (flange only) **-38F:** Black enamel (flange only) **-45:** Gasket between trim and ceiling **-70T:** Clear semi-specular SofTex™ (complete trim) **-94:** Custom color/finish; specify; consult factory **-WA:** White acrylic (flat) diffuser instead	**(Blank):** None **-79:** Extension collar for ceilings up to 2" thick **-99:** Special modification; consult factory **-AT:** Air tight version. Meets ASTM E283 restricted airflow of 2 CFM maximum **-RH:** Residential mounting hardware instead; suitable for wood joist ceilings with spacing from 14 ⅛" to 25 ⅞" with ⅝" vertical adjustability **-SH:** Sealed housing and junction box for -5000L; see Option -AT for use with -2500L **-TA:** Top Access for servicing from above ceiling

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

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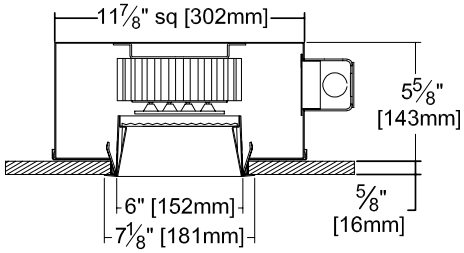
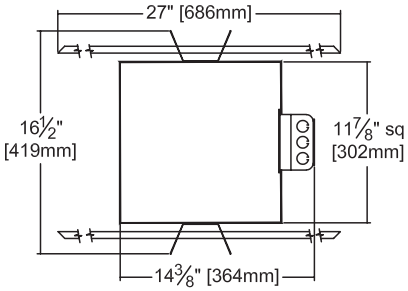
KIRLIN ARCHITECTURAL LIGHTING

Dimensions



Ceiling Cut-out 6½" Dia.



Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

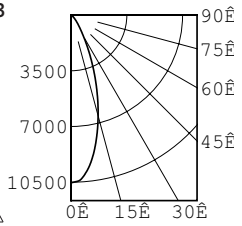
-5000L STANDARD (MFL)

Lumens: 4892
Beam: ~33°
SC: 0.6
LPW: 86
Efficiency: 82.3%
ITL Test: 87783

EEE

Cone of Light▲

Dist.	FC	Dia.
6	292.7	3.5
8	164.6	4.7
10	105.4	5.9
12	73.2	7.1
14	53.8	8.3
16	41.2	9.5



Total System Watts 57.2

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	10537	10537	10537	10537	10537
5	10025	10025	10025	10025	10025
15	6555	6555	6555	6555	6555
25	2825	2825	2825	2825	2825
35	876	876	876	876	876
45	278	278	278	278	278
55	70	70	70	70	70
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

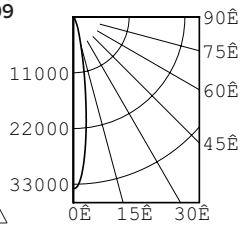
-5000L Option -SPT

Lumens: 4893
Beam: ~16°
SC: 0.3
LPW: 84
Efficiency: 82.3%
ITL Test: 86309

EEE

Cone of Light▲

Dist.	FC	Dia.
6	939.7	1.7
8	528.6	2.3
10	338.3	2.9
12	234.9	3.4
14	172.6	4.0
16	132.1	4.6



Total System Watts 58.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	33830	33830	33830	33830	33830
5	26433	26433	26433	26433	26433
15	5614	5614	5614	5614	5614
25	1537	1537	1537	1537	1537
35	420	420	420	420	420
45	141	141	141	141	141
55	39	39	39	39	39
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

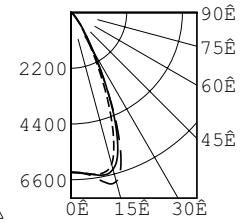
-5000L Option -WFL

Lumens: 4746
Beam: ~46°
SC: 0.9
LPW: 82
Efficiency: 79.8%
ITL Test: 86308

EEE

Cone of Light▲

Dist.	FC	Dia.
6	175.1	5.2
8	98.5	6.9
10	63.1	8.6
12	43.8	10.3
14	32.2	12.0
16	24.6	13.7



Total System Watts 57.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	6305	6305	6305	6305	6305
5	6365	6377	6394	6382	6375
15	6196	6520	6904	6702	6406
25	2889	3126	3440	3492	3430
35	781	778	855	873	902
45	219	226	256	246	237
55	57	62	60	65	59
65	3	4	2	5	4
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 -4000 and -2500L performance

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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED 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.

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Detailed Photometry - Installed Fixture

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

SRR-06602-4000L PERFORMANCE

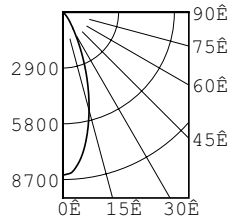
-4000L STANDARD (MFL)

Lumens: 3933
Beam: ~33°
SC: 0.6
LPW: 92
Efficiency: 82.5%
ITL Test: 88275

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	235.3	3.5
8	132.4	4.7
10	84.7	5.9
12	58.8	7.1
14	43.2	8.3
16	33.1	9.5



Total System Watts 42.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	8472	8472	8472	8472	8472
5	8060	8060	8060	8060	8060
15	5270	5270	5270	5270	5270
25	2271	2271	2271	2271	2271
35	704	704	704	704	704
45	224	224	224	224	224
55	56	56	56	56	56
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

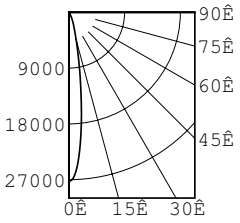
-4000L Option -SPT

Lumens: 3934
Beam: ~16°
SC: 0.3
LPW: 91
Efficiency: 82.5%
ITL Test: 88276

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	755.5	1.7
8	425.0	2.3
10	272.0	2.9
12	188.9	3.4
14	138.8	4.0
16	106.2	4.6



Total System Watts 43.3

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	27199	27199	27199	27199	27199
5	21252	21252	21252	21252	21252
15	4514	4514	4514	4514	4514
25	1236	1236	1236	1236	1236
35	338	338	338	338	338
45	113	113	113	113	113
55	31	31	31	31	31
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

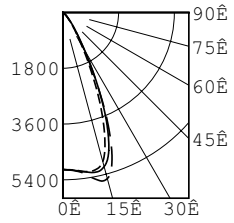
-4000L Option -WFL

Lumens: 3816
Beam: ~46°
SC: 0.9
LPW: 88
Efficiency: 80.0%
ITL Test: 88277

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	140.8	5.2
8	79.2	6.9
10	50.7	8.6
12	35.2	10.3
14	25.9	12.0
16	19.8	13.7



Total System Watts 43.3

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	5069	5069	5069	5069	5069
5	5117	5127	5141	5131	5126
15	4982	5242	5551	5388	5150
25	2323	2513	2766	2808	2758
35	628	626	687	702	725
45	176	182	206	198	191
55	46	50	48	52	47
65	2	3	2	4	3
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

SRR-06602-2500L PERFORMANCE

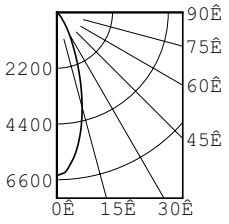
-2500L STANDARD (MFL)

Lumens: 2922
Beam: ~32°
SC: 0.6
LPW: 84
Efficiency: 78.6%
ITL Test: 88093

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	178.8	3.4
8	100.6	4.6
10	64.4	5.7
12	44.7	6.9
14	32.8	8.0
16	25.1	9.2



Total System Watts 34.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	6436	6436	6436	6436	6436
5	6031	6031	6031	6031	6031
15	3869	3869	3869	3869	3869
25	1628	1628	1628	1628	1628
35	564	564	564	564	564
45	181	181	181	181	181
55	41	41	41	41	41
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

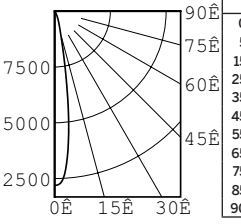
-2500L Option -SPT

Lumens: 3168
Beam: ~17°
SC: 0.3
LPW: 91
Efficiency: 85.2%
ITL Test: 87762

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	650.1	1.8
8	365.7	2.4
10	234.0	3.0
12	162.5	3.6
14	119.4	4.2
16	91.4	4.8



Total System Watts 35.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	23404	23404	23404	23404	23404
5	19682	19682	19682	19682	19682
15	3163	3163	3163	3163	3163
25	915	915	915	915	915
35	247	247	247	247	247
45	72	72	72	72	72
55	18	18	18	18	18
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

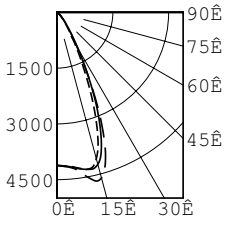
-2500L Option -WFL

Lumens: 3058
Beam: ~46°
SC: 0.9
LPW: 87
Efficiency: 82.3%
ITL Test: 87761

EEE

Cone of Light ▲

Dist.	FC	Dia.
6	114.3	5.1
8	64.3	6.8
10	41.2	8.5
12	28.6	10.2
14	21.0	11.9
16	16.1	13.6



Total System Watts 35.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4115	4115	4115	4115	4115
5	4158	4177	4190	4176	4173
15	4075	4342	4613	4455	4231
25	1760	1960	2207	2249	2165
35	457	495	534	562	575
45	124	129	156	165	147
55	28	26	34	32	31
65	1	1	1	1	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

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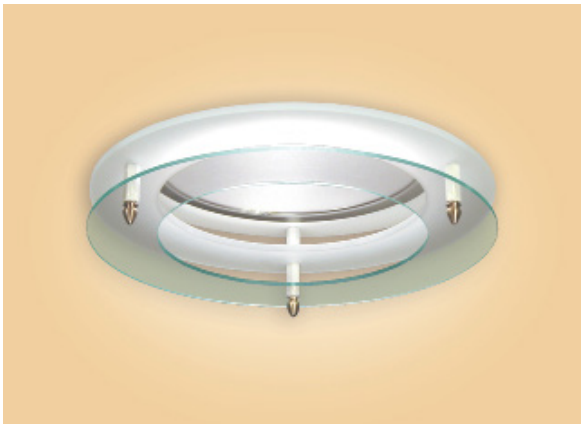
KIRLIN
ARCHITECTURAL LIGHTING

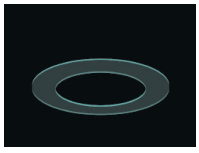
Classic Glow Rings: Option -33 for Symphony Remote Driver Series



To order a Kirlin Glow Ring, begin by adding -33 to the product number. Then, configure your Glow Ring by selecting each of the 7 design elements listed below:

(Example: SRR-06602-5000L-30K-**33-GLM-1L-FRR-ROF-SIF-ROS-SIS**)

1. Ring Material (choose one)

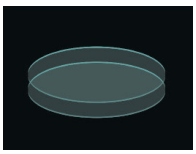

Glass (-GLM)

Acrylic (-ACM)

Custom (-CUM)

2. # of Rings (choose one)

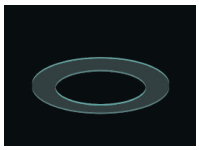
1 Ring (1L)


2 Rings (-2L)

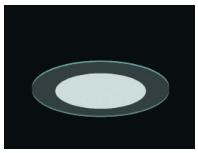
3 Rings (-3L)

3. Ring Design (choose one)

Frosted Ring (-FRR)

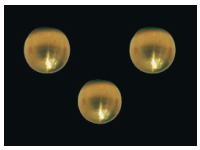

Clear Ring (-CRR)

Solid Disk (-SDR)

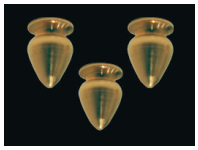

Frosted Center (-FCR)

Frosted Disk (-FDR)

4. Finial Design (choose one)


Round (-ROF)

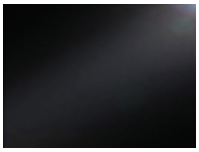
Knurled (-KNF)


Cone (-COF)

5. Finial Color (choose one)

Brass (-BRF)

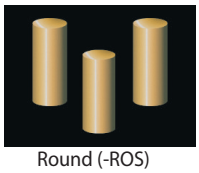
Silver (-SIF)

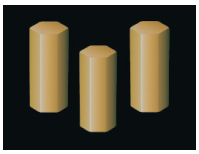

Black (-BLF)

White (-WHF)

Custom (-CUF)

6.Standoff Design (choose one)

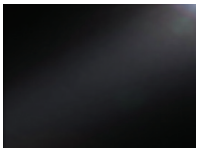

Round (-ROS)


Hexagonal (-HOS)

7.Standoff Color (choose one)

Brass (-BRS)

Silver (-SIS)


Black (-BLS)

White (-WHS)

Custom (-CFS)

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

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