

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

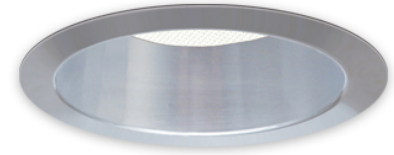
Symphony Remote Driver Series

Open Appearance 6" Downlight • LED

Up to 60,000 Hour Rated Life • Wet Location

LM-80 Qualified • LM-79 Certified Photometry

SRR-06602



Specifications

Delivered System Performance

- Nominal Lumens: **Must Specify**

Type IC	Non-IC
-2500L	-5000L
	-4000L

- 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 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

- Kirlin offers two types of remote power supply cabinets (see pages 5-7 for more details):
 - Symphony Cabinet:**
 - Surface-mounted cabinets (18" x 24" x 4-1/2")
 - Supports up to 8 drivers
 - For 0-10V and DMX applications (see page 5 for more details)
 - Remote Mini-Cabinet:**
 - Plenum-rated mini-cabinets (4-3/8" x 20-1/4" x 2-3/4")
 - Supports up to 2 drivers
 - For 0-10V and DMX applications (see page 6-7 for more details)
- 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 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 1/2" and 3/4" 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 1 1/8" 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
- Type IC (-2500L only): 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, SYM-DMXPS or REM-SWCAB)

Maintenance and Future-Proofing

- M1 maintenance level standard- Phillips head screwdriver, and/or a basic wrench needed
- Lighthouse replaceable through the aperture of the fixture with quick-connections, no soldering required
- Backed by Kirlin's [25-Year Legacy Support Guarantee](#)

Made in the USA
BABA Compliant

FCC Part 15
Certified

UL Listed
Wet, Damp, Dry

Maintenance
Level M1

Available Maintenance Levels

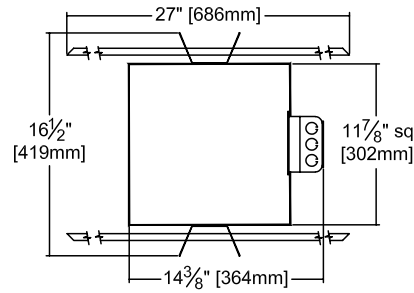
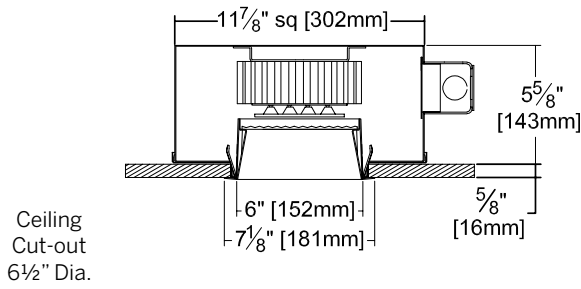
Level	Option	Tools Required to Service LED Module
	Standard	<ul style="list-style-type: none"> Phillips head screwdriver, and/or a basic wrench needed

Options and Ordering Configuration

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

Must Specify		Optional				
Model	Lumens	Dimming	Color Temp. (CCT)	Distribution	Lens & Trim	Other Options
SRR-06602						
	Non-IC -5000L -4000L Type IC -2500L	-010V: 0-10V Dimming -DMX: DMX-RDM Dimming	(Blank): 3500°K -27K: 2700°K instead -30K: 3000°K instead -41K: 4000°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 1/8" to 25 7/8" with 5/8" 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

Dimensions



Photometry - Installed Complete Fixture

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

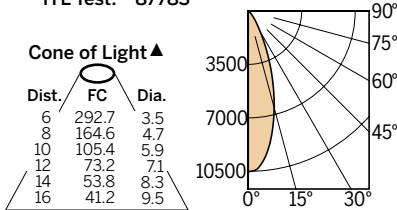
LM-79 IES Certified Photometry from Independent Lab

-5000L STANDARD (MFL)

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

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

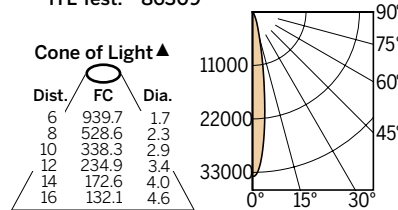


-5000L Option -SPT

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

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

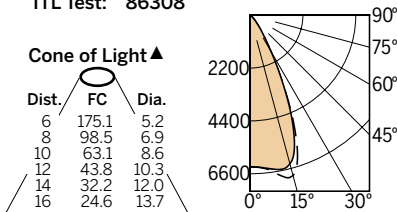


-5000L Option -WFL

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

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
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 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 office 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 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.

Detailed Photometry - Installed Fixture

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

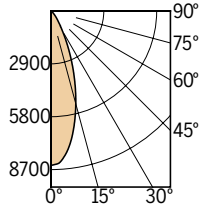
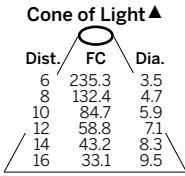
SRR-06602-4000L PERFORMANCE

-4000L STANDARD (MFL)

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

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



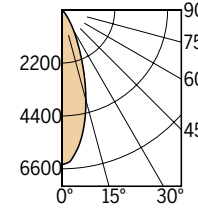
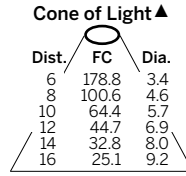
SRR-06602-2500L PERFORMANCE

-2500L STANDARD (MFL)

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

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

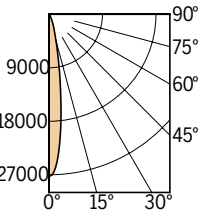
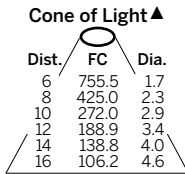


-4000L Option -SPT

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

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

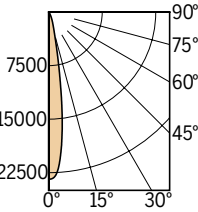
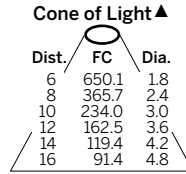


-2500L Option -SPT

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

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

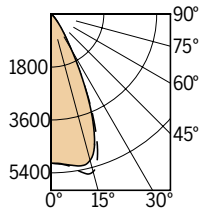
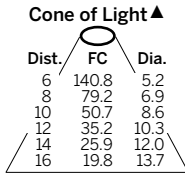


-4000L Option -WFL

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

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

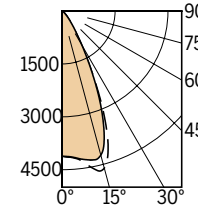
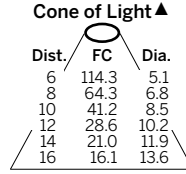


-2500L Option -WFL

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

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

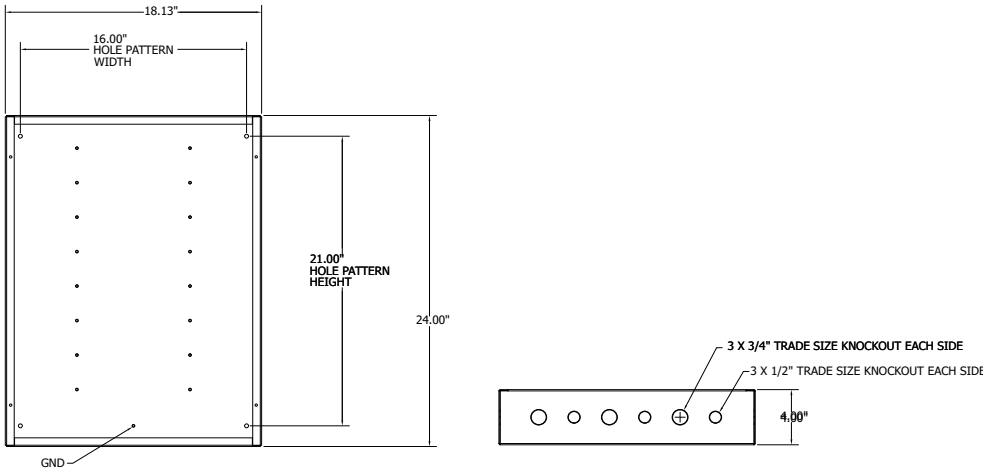


▲ Cone of Light Key
Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC value is half the FC at nadir.

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

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Dimensions



Cabinet Features

- Each cabinet can accommodate up to 8 0-10V driver modules or up to 8 channels of DMX output
- Drivers can be mounted up to 250' away from fixtures
- Symphony cabinets are surface-mounted cabinets
- Low-voltage cabling from driver to fixture(s)

Symphony Driver Modules: Used with 0-10V Dimming

Fully Digital Controlled Power Source for LED Luminaires

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

The **Symphony Configurator** can help determine the necessary components.



Lumens	Driver Module	Maximum Capacity	Fixture Load Examples
-2500L	DVR-1400A	Qty 1: 2500L Luminaire	• Qty 1: SRR-06602-2500L
	DVR-1400B	Up to Qty 2: 2500L Luminaires, wired in series	• Qty 1: SRR-06602-2500L • Qty 2: SRR-06602-2500L • Qty 1: SRR-06602-2500L and Qty 1: SRR-06602-2500L
-4000L	DVR-1050A	Qty 1: 4000L Luminaire	• Qty 1: SRR-06602-4000L
	DVR-1050C*	Qty 2: 4000L Luminaires, 1 per LED output	• Qty 2: SRR-06602-4000L • Qty 1: SRR-06602-4000L and Qty 1: SRR-06602-4000L
-5000L	DVR-1400B	Qty 1: 5000L Luminaire	• Qty 1: SRR-06602-5000L

* 100W DVR-XXXXC driver modules have 2 LED outputs each.

Symphony DMX Power Supplies: Used with DMX Control

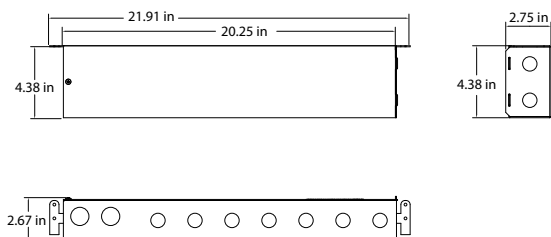
Pre-wired Symphony DMX power supplies (**SYM-DMXPS**) have a maximum of 8 channels each.

Each channel is pre-wired for 1400mA and 1050mA output. Ensure appropriate current is selected when wiring.

The **Symphony Configurator** can help determine the necessary components.

Lumens	LED Channel Output	
	1400mA	1050mA
-2500L Luminaire	1 fixture per channel	
-4000L Luminaire		1 fixture per channel
-5000L Luminaire	2 channels per fixture	

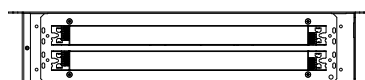
Dimensions



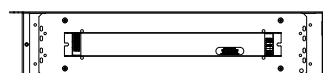
REM-SWCAB Features

- Drivers can be mounted up to 250' away from fixtures
- Remote mini-cabinets are plenum rated and can be mounted to the ceiling grid
- Low-voltage cabling from driver to fixture(s)
- 1/2" and 3/4" knockouts

50W and 75W Drivers Exact dimensions of drivers inside the box may vary based on options chosen.



100W Drivers



0-10V Remote Mini-Cabinet Options and Ordering Configuration

(Example: REM-SWCAB-1400B-2-D2-EMI)

Must Specify				Optional
Model	Driver Current	Driver Count	Dimming	Other Options
REM-SWCAB				
	50 Watt Drivers -1050A: 1050mA 50W driver; powers (1) 4000L fixture -1400A: 1400mA 50W driver; powers (1) 2500L fixture 75 Watt Drivers -1400B: 1400mA 75W driver; powers (2) 2500L fixtures OR (1) 5000L fixture 100 Watt Drivers -1050C: 1050mA 100W driver; powers (2) 4000L fixtures	-1: 1 driver -2: 2 drivers; N/A on -1400C driver option	-D2: 0-10V 0.1% dim	(Blank): None -E15: Remote emergency micro-inverter: 50W max load; 90+ minutes run time -EMI: Remote emergency mini-inverter: 125W max load; 90+ minutes run time

Lumens	Remote Mini-Cabinet	Driver Wattage	Maximum Capacity	
			1 Driver in REM Cabinet	2 Drivers in REM Cabinet
-2500L	REM-SWCAB-1400A	50W	Qty 1: 2500L Luminaire	Qty 2: 2500L Luminaires, (1 per driver)
	REM-SWCAB-1400B	75W	Qty 2: 2500L Luminaires, wired in series	Qty 4: 2500L Luminaires, (2 per driver, wired in series)
-4000L	REM-SWCAB-1050A	50W	Qty 1: 4000L Luminaire	Qty 2: 4000L Luminaires, (1 per driver)
	REM-SWCAB-1050C*	100W	Qty 2: 4000L Luminaires, 1 per LED output	N/A
-5000L	REM-SWCAB-1400B	75W	Qty 1: 5000L Luminaire	Qty 2: 5000L Luminaires, (1 per driver)

* 100W XXXXC remote drivers have 2 LED outputs each

See next page for DMX Remote Mini-Cabinet Options and Ordering Configuration

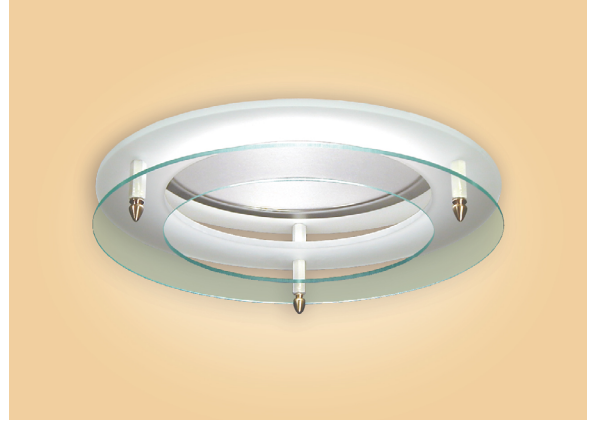
DMX Remote Mini-Cabinet Options and Ordering Configuration

(Example: REM-SWCAB-DMX2C-2-16B-EMI)

Must Specify				Optional
Model	Driver Current	Driver Count	Dimming Resolution	Other Options
REM-SWCAB				
	50 Watt Drivers -DMX2C: 50W driver with two outputs, programmed to 1400mA and 1050mA	-1: 1 driver -2: 2 drivers	(Blank): 8-bit DMX-RDM Dimming to 0.1% -16B: 16-bit DMX-RDM Dimming to 0.1%	(Blank): None -EI5: Remote emergency micro-inverter: 50W max load; 90+ minutes run time -EMI: Remote emergency mini-inverter: 125W max load; 90+ minutes run time

Lumens	Remote Mini-Cabinet	Selected Output	Driver Wattage	Maximum Capacity	
				1 Driver in REM Cabinet	2 Drivers in REM Cabinet
-2500L	REM-SWCAB-DMX2C	1400mA	50W	Qty 1: 2500L Luminaire	Qty 2: 2500L Luminaires, (1 per driver)
-4000L	REM-SWCAB-DMX2C	1050mA	50W	Qty 1: 4000L Luminaire	Qty 2: 4000L Luminaires, (1 per driver)
-5000L	REM-SWCAB-DMX2C	1400mA	50W	Qty 0.5: 5000L Luminaire (uses 2 drivers per fixture)	Qty 1: 5000L Luminaire (uses 2 drivers per fixture)

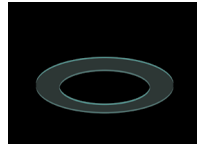
Classic Glow Rings: Option -33 for Symphony Remote Driver Series



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**)

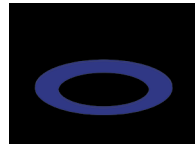
1. Ring Material
(choose one)



Glass (-GLM)

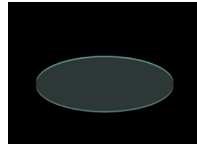


Acrylic (-ACM)

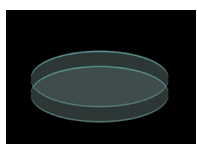


Custom (-CUM)

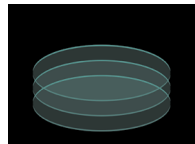
2. # of Rings
(choose one)



1 Ring (1L)



2 Rings (-2L)



3 Rings (-3L)

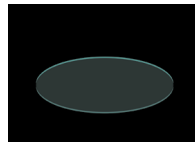
3. Ring Design
(choose one)



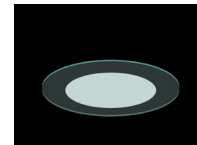
Frosted Ring (-FRR)



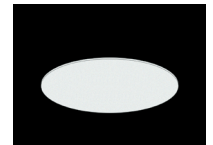
Clear Ring (-CRR)



Solid Disk (-SDR)

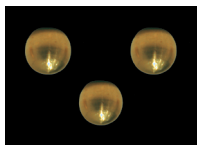


Frosted Center (-FCR)

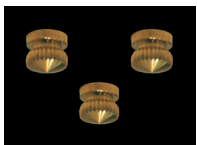


Frosted Disk (-FDR)

4. Finial Design
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

5. Finial Color
(choose one)



Brass (-BRF)



Silver (-SIF)



Black (-BLF)

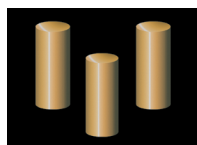


White (-WHF)

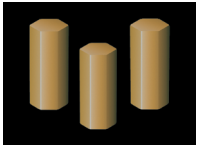


Custom (-CUF)

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.