KIRLIN HEALTHCARE LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Choice Series | Empower CONNECT

LRC-04VND

Ligature & Vandal Resistant 4" Downlight • COB LED

50,000+ Hours • Type IC • 1.0% Dimming, 0-10V

2 or 3 Step Binning • Wet Listed • LM-80 and LM-79 Certified

Trim Options



-RWF



-SQR

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**

  Type IC
  -2500L
  -2000L
  -1500L
  -1000L
- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 hour life, 50,000 in insulation (L70)

Thermal Management System
- Aluminum heat sink and components for cool operation, long life, and low maintenance

LED Driver - INTERNAL or REMOTE
- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- Remote driver in mini cabinet available, see option -REM
- 0-10V CCR 1.0% dimming standard for internal drivers
- Voltage Options: **Must Specify**
  -UNV: -120-277V (50-60Hz); load insensitive
  -120: -120V (50-60Hz); load insensitive
  -57DC: -47-57V DC

IK10-Rated Trim/Lens Assembly
- Ligature resistant smooth tapered self-flanged cast aluminum trim (-RWF is field paintable)
- Tamperproof screws, captive nuts secure trim to housing; tamperproof tool included
- Diffuse acrylic lens above .220" clear polycarbonate; also see Option -WA

Acrylic Enameled Aluminum Housing
- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture

Outlet Box (Galvanized)
- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts
- Up to 4 #12 AWG through-branch conductors

Installation & Hardware
- Indoor/outdoor in ceilings up to 1⅛" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

Quick Ship Eligible
- Eligible for Quick Ship of 2 weeks or less
- Quantity requirements: 10 - 100 pieces
- Requires choosing options in **red** on the next page and including the -QS option code

UL, C-UL (Canada) & FCC Compliance
- UL listed Type IC: up to -2500L
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty
- Complete standard fixture

Maintenance and Future-Proofing
- M2 maintenance level standard- requires special center pin bit (supplied) for screw removal
- M3 maintenance level option if anti-pick caulking is applied
- Lighthead, driver replaceable through the aperture of the fixture with quick-connections, no soldering required
- Backed by Kirlin's 25-Year Legacy Support Guarantee

Declare. Red List Approved *See Option RLA*
Made in the USA *BABAA Compliant*
IK10 Impact Resistant
Vandal Resistant
Natatorium *See Option -I66*
IP66 *See Option -I66*
BioGard™ *See Option -BG*
ISO 5/Class 100 *See Option -SH*
Quick Ship *See Option -QS*
UL Listed Wet, Damp, Dry
Maintenance Level M2

Available Maintenance Levels

Level	Option	Tools Required to Service LED Module and Driver
M2	Standard	• Phillips head screwdriver, and/or a basic wrench needed • Center pin hex bit (supplied) needed
M3	Optional field-applied caulk	• Phillips head screwdriver, and/or a basic wrench needed • Center pin hex bit (supplied) needed • Blade needed if anti-pick caulking applied

Available Source Options

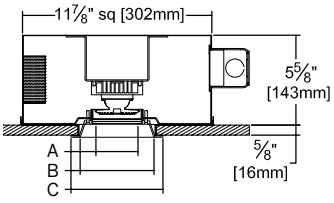
See page 2 for ordering configurations

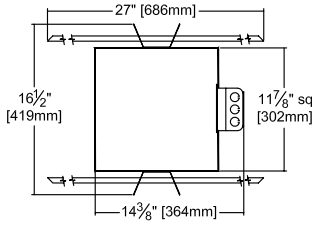
SW Static White 5 CCTs Available

TW Tunable White

WD Warm Dimming

Dimensions





Trim Style	Ceiling Cut-Out	Dimension A	Dimension B	Dimension C
-RWF	5" Dia.	2⅝"	4⅝"	5¾"
-SQR	5¼" Sq.	2⅞"	4¾"	6"

PATIENT SPACES
September 2026

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Static White Options and Ordering Configuration

Red text = Quick Ship Eligible

(Example: LRC-04VND-2500L-120-RWF-MFL-30K-BG-FS)

Must Specify						Optional			
Model	**Lumens**	**Volts**	**Trim**	**Beam**	**CCT† & CRI**	**Driver Options**	**Emergency Options**	**Trim Options**	**Other Options**
LRC-04VND									
	Type IC **-2500L** **-2000L** **-1500L** **-1000L**	**-UNV** **-120** **-57DC**	**-RWF** **-SQR**	**-SPT** **-NFL** **-MFL** **-WFL**	**80+ CRI*** **-27K:** 2700°K **-30K:** 3000°K **-35K:** 3500°K **-40K:** 4000°K **-50K:** 5000°K ***Note:** Lumen Factor = 0.93 for -27K **90+ CRI**** **-27K-HC:** 2700°K **-30K-HC:** 3000°K **-35K-HC:** 3500°K **-40K-HC:** 4000°K **-50K-HC:** 5000°K ****Note:** Lumen Factor = 0.79 for -27K-HC; All Others = 0.85 † For 2 SDCM, consult factory	**(Blank):** Standard 0-10V CCR 1.0% dim **-D2:** 0-10V 0.1% dim **-D3:** DALI 1.0% dim **-D3DC:** DC2DC DALI 1.0% dim; **must use -57DC voltage option** **-D4:** DALI 100-0.1% dim **-D4DC:** DC2DC DALI 0.1% dim; -4000L max; **must use -57DC voltage option** **-D5:** DMX512A 0.1% dim **-D6:** Triac/ELV dim - **120 volt only** **-REM:** Driver remote mounted in mini-cabinet; see remote driver ordering page for more details - MUST BE ORDERED SEPARATELY	**(Blank):** None **-EI:** Remote emergency inverter for 100% rated lumens up to -2500L; 90+ minutes; N/A for options -FS **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	**(Blank):** Standard trim finish; see photos above **Trim Finishes** **-35T:** Silver enamel trim **-37T:** Dark bronze enamel trim **-38T:** Black enamel trim **-BG:** BioGard™ anti-microbial white **-BKBG:** BioGard anti-microbial black **-94:** Custom color; consult factory **-94BG:** BioGard anti-microbial custom color finish **Other Trim Features** **-CF:** Custom color filter (Rosco); Specify **-I66:** IP66 rated trim and lens; Meets ASTM E283 restricted airflow of 2CFM; Natatorium rated **-WA:** White acrylic (flat) diffuser instead; with -WFL beam only	**(Blank):** None **Other Options *** **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options D5, D6, ECO **-FS:** Fused primary; One per fixture; N/A for Options -EI **-QS:** Quick Ship; Options must be only red items; Quantities of 10-100 **-RLA:** Declare Red List Approved fixture **-SH:** Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly ***Note:** For other integrated control solutions, such as nLight, contact factory

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Dynamic White Options and Ordering Configuration

(Example: LRC-04VND-1500L-UNV-RWF-MFL-4018-WD-BG)

Must Specify						Optional			
Model	**Lumens**	**Volts**	**Trim**	**Beam**	**CCT & CRI**	**Driver Options**	**Emergency Options**	**Trim Options**	**Other Options**
LRC-04VND									
	Type IC **-2000L** **-1500L** **-1000L**	**-UNV** **-57DC**	**-RWF** **-SQR**	**-NFL** **-MFL** **-WFL**	**-6527:** 6500°K - 2700°K range, 90+ CRI **-4018:** 4000°K - 1800°K range, 90+ CRI **-3518:** 3500°K - 1800°K range, 90+ CRI **-3018:** 3000°K - 1800°K range, 90+ CRI **-2718:** 2700°K - 1800°K range, 90+ CRI	**-TW:** Dual 0-10V Tunable White control with 0.1% dimming **-TW7:** DALI dual drive 0.1% tunable white dimming driver instead **-TW7DC:** DC2DC DALI dual drive 0.1% tunable white dimming driver; **must use -57DC voltage option** **-TW8:** DALI DT8 dual drive 0.1% tunable white dimming driver instead **-TW8DC:** DC2DC DALI DT8 dual drive 0.1% tunable white dimming driver; **must use -57DC voltage option** **-WD:** Warm Dimming 0-10V control with 0.1% dimming; N/A for Option -6527 **-WD7:** DALI 0.1% warm dimming driver instead; N/A for Option -6527 **-WD7DC:** DC2DC DALI 0.1% warm dimming driver; N/A for Option -6527; **must use -57DC voltage option** **-REM:** Driver remote mounted in mini-cabinet; see remote driver ordering page for more details - MUST BE ORDERED SEPARATELY	**(Blank):** None **-EI:** Remote emergency inverter for 100% rated lumen output; 90+ minutes; N/A for options -FS **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	**(Blank):** Standard trim finish; see photos above **Trim Finishes** **-35T:** Silver enamel trim **-37T:** Dark bronze enamel trim **-38T:** Black enamel trim **-BG:** BioGard™ anti-microbial white **-BKBG:** BioGard anti-microbial black **-94:** Custom color; consult factory **-94BG:** BioGard anti-microbial custom color finish **Other Trim Features** **-I66:** IP66 rated trim and lens; Meets ASTM E283 restricted airflow of 2CFM; Natatorium rated **-WA:** White acrylic (flat) diffuser instead; with -WFL beam only	**(Blank):** None **Other Options *** **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options TW, TW7 **-FS:** Fused primary; One per fixture; N/A for Options -EI **-RLA:** Declare Red List Approved fixture **-SH:** Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly ***Note:** For other integrated control solutions, such as nLight, contact factory

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Performance Factors - Static White

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2500L	1.00	27.0	1.00
-2000L	0.89	24.3	0.99
-1500L	0.76	20.4	1.01
-1000L	0.41	10.5	1.05

** See notes on page 2 for additional info on Lumen Factors*

Performance Factors - Tunable White

Lumen factors are based on comparable Static White light output.

NOMINAL LUMENS	6500K LUMEN FACTOR	2700K LUMEN FACTOR	NOMINAL WATTS
-2000L	0.65	0.52	20.8
-1500L	0.65	0.52	14.9
-1000L	0.65	0.52	11.4

Photometry - Static White - Installed Complete Fixture

Photometry from L.L.I., Allentown, PA

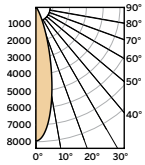
LM-79 IES Certified Photometry from IndLight Labs, International

-2500L-RWF-SPT

Lumens: 2277
LPW: 84
Beam: ~27°
SC: 0.4
LLI Test: 1511-014

Cone of Light▲

Dist.	FC	Dia.
6	220.9	2.7
8	124.3	3.6
10	79.5	4.5
12	55.2	5.4
14	40.6	6.3
16	31.1	7.2



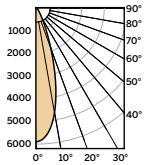
Nominal Lumens	Actual Lumens	Actual LPW
2500L	2277	84.3
2000L	2015	82.9
1500L	1737	85.2
1000L	922	87.8

-2500L-RWF-NFL

Lumens: 2194
LPW: 81
Beam: ~32°
SC: 0.5
LLI Test: 1511-015

Cone of Light▲

Dist.	FC	Dia.
6	163.6	3.2
8	92.0	4.3
10	58.9	5.4
12	40.9	6.4
14	30.1	7.5
16	23.0	8.6



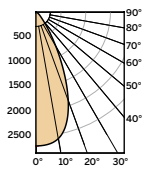
Nominal Lumens	Actual Lumens	Actual LPW
2500L	2194	81.3
2000L	1942	79.9
1500L	1674	82.1
1000L	889	84.6

-2500L-RWF-MFL

Lumens: 1978
LPW: 73
Beam: ~49°
SC: 0.8
LLI Test: 1511-016

Cone of Light▲

Dist.	FC	Dia.
6	75.0	4.8
8	42.2	6.4
10	27.0	8.0
12	18.8	9.6
14	13.8	11.2
16	10.5	12.8



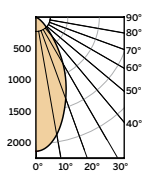
Nominal Lumens	Actual Lumens	Actual LPW
2500L	1978	73.3
2000L	1751	72.0
1500L	1509	74.0
1000L	801	76.3

-2500L-RWF-WFL

Lumens: 1877
LPW: 69
Beam: ~52°
SC: 0.8
LLI Test: 1511-017

Cone of Light▲

Dist.	FC	Dia.
6	58.9	4.6
8	33.1	6.2
10	21.2	7.7
12	14.7	9.3
14	10.8	10.8
16	8.3	12.4



Nominal Lumens	Actual Lumens	Actual LPW
2500L	1877	69.3
2000L	1661	68.4
1500L	1432	70.2
1000L	760	72.4

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

▲ 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

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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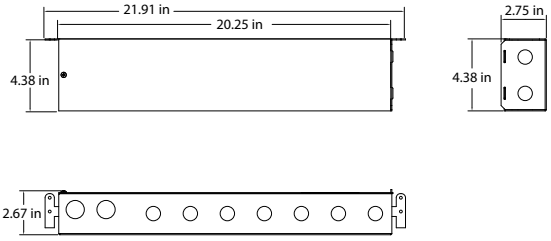
Static White Remote Mini-Cabinet Options and Ordering Configuration

(Example: REM-SWCAB-0250A-UNV-2-D1-EMI)

Must Specify					Optional
Model	**Driver Current**	**Volts**	**Driver Count**	**Dimming**	**Other Options**
REM-SWCAB					
	50 Watt Drivers **-0250A:** 0250mA 50W driver; powers up to (2) 1000L fixtures **-0350A:** 0350mA 50W driver; powers up to (2) 1500L fixtures **-0500A:** 0500mA 50W driver; powers up to (2) 2000L fixtures **-0600A:** 0600mA 50W driver; powers up to (2) 2500L fixtures	**-UNV**	**-1:** 1 driver **-2:** 2 drivers	**-D1:** 0-10V 1.0% dim **-D2:** 0-10V 0.1% dim **-D3:** DALI 1.0% dim **-D4:** DALI 100-0.1% dim **-D5:** DMX512A 0.1% dimming; only available with -XXXXA driver options	**(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

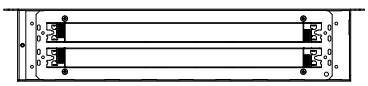
Lumens	Remote Mini-Cabinet	Driver Wattage	Maximum Capacity	
			1 Driver in -REM Cabinet	2 Drivers in -REM Cabinet
-1000L	REM-SWCAB-0250A	50W	Qty 2: 1000L Luminaires	Qty 4: 1000L Luminaires, (2 per driver)
-1500L	REM-SWCAB-0350A	50W	Qty 2: 1500L Luminaires	Qty 4: 1000L Luminaires, (2 per driver)
-2000L	REM-SWCAB-0500A	50W	Qty 2: 2000L Luminaires	Qty 4: 2000L Luminaires, (2 per driver)
-2500L	REM-SWCAB-0600A	50W	Qty 2: 2500L Luminaires	Qty 4: 2500L Luminaires, (2 per driver)

Dimensions



50W and 75W Drivers

Exact dimensions of drivers inside the box may vary based on options chosen.



-REM Features

- 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

See next page for Dynamic White and Warm Dimming Remote Mini-Cabinet Options and Ordering Configuration

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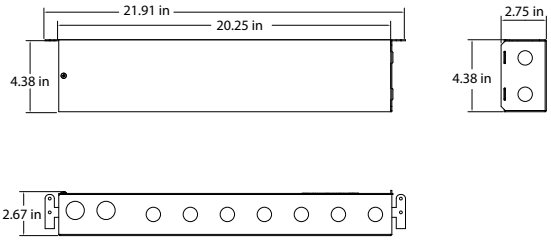
Dynamic White Remote Mini-Cabinet Options and Ordering Configuration

(Example: REM-DWCAB-0250A-2-4018-TW8-EMI)

Must Specify					Optional
Model	**Driver Current**	**Driver Count**	**CCT**	**Dimming**	**Other Options**
REM-DWCAB					
	50 Watt Drivers **-0250A:** 0250mA 50W driver; powers (1) 1000L fixture **-0350A:** 0350mA 50W driver; powers (1) 1500L fixture **-0500A:** 0500mA 50W driver; powers (1) 2000L fixture	**-1:** 1 driver **-2:** 2 drivers	**-6527:** 6500°K - 2700°K range, 90+ CRI **-4018:** 4000°K - 1800°K range, 90+ CRI **-3518:** 3500°K - 1800°K range, 90+ CRI **-3018:** 2700°K - 1800°K range, 90+ CRI	**-TW:** Dual 0-10V Tunable White control with 0.1% dimming **-TW7:** DALI dual drive 0.1% tunable white dimming driver instead **-TW8:** DALI DT8 dual drive 0.1% tunable white dimming driver instead **-WD:** Warm Dimming 0-10V control with 0.1% dimming; N/A for Option -6527 **-WD7:** DALI 0.1% warm dimming driver instead; N/A for Option -6527	**(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

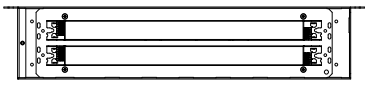
Lumens	Remote Mini-Cabinet	Driver Wattage	Maximum Capacity	
			1 Driver in -REM Cabinet	2 Drivers in -REM Cabinet
-1000L	REM-DWCAB-0250A	50W	Qty 1: 1000L Luminaire	Qty 2: 1000L Luminaires
-1500L	REM-DWCAB-0350A	50W	Qty 1: 1500L Luminaire	Qty 2: 1000L Luminaires
-2000L	REM-DWCAB-0500A	50W	Qty 1: 2000L Luminaire	Qty 2: 2000L Luminaires

Dimensions



50W and 75W Drivers

Exact dimensions of drivers inside the box may vary based on options chosen.



-REM Features

- 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

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