

Features

- Self-contained integral power supply eliminates remote driver requirements for a seamless system.
- Fixtures made to order up to 144" and can be linked together for a continuous run
- Suitable for wall mount applications
- Available with long throw and tall throw reflectors
- Average Life (L70): 50,000hrs
- Vibrant Color options offer premium color quality with R9 values up to 98
- High Efficacy options offer best in class output and efficacy with over 1240 lm/ft and up to 146 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- 7 year warranty

Finish Options

- ☐ Paint Ready
- ☒ Black powder coated
- ☐ White powder coated



Technical Information

TYPE	Vibrant Color VC72						
OUTPUT OPTIONS	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO	VC72XHO
Lumens Output (3000K) (with a Clear Lens)	116 lm/ft	297 lm/ft	395 lm/ft	522 lm/ft	631 lm/ft	840 lm/ft	1002 lm/ft
Average Power Consumption (for a 4" section)	1.1 W/ft	2.8 W/ft	3.7 W/ft	4.9 W/ft	5.9 W/ft	7.9 W/ft	9.9 W/ft
Efficacy	105 lm/W	106 lm/W	107 lm/W	107 lm/W	107 lm/W	106 lm/W	101 lm/W
Max Run Length (in series)	56.9 ft	32 ft	28 ft	24 ft	18.6 ft	14.6 ft	10.3 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)						

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

TYPE	High Efficacy HE64						
OUTPUT OPTIONS	HE64VLO	HE64LO	HE64SO	HE64MO	HE64HO	HE64VHO	HE64XHO
Lumens Output (3000K) (with a Clear Lens)	129 lm/ft	278 lm/ft	399 lm/ft	531 lm/ft	754 lm/ft	1034 lm/ft	1245 lm/ft
Average Power Consumption (for a 4" section)	1 W/ft	1.9 W/ft	2.9 W/ft	3.8 W/ft	5.6 W/ft	7.1 W/ft	8.9 W/ft
Efficacy	129 lm/W	146 lm/W	138 lm/W	140 lm/W	135 lm/W	146 lm/W	140 lm/W
Max Run Length (in series)	90 ft	47.3 ft	30.7 ft	22.8 ft	15.8 ft	11.8 ft	9.4 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)						

*Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

Vibrant Color (VC72)						
CCT	Multiplier (ref. - 30K)	CRI	TM-30			R ₉
			R _f	R _g	R _a	
1800K	0.50	95	94	99	86	
2200K	0.66	96	94	101	95	
2400K	0.90	98	96	101	91	
2700K	0.93	98	96	102	93	
3000K	1.00	97	94	104	99	
3500K	1.04	96	94	105	97	
4100K	1.05	97	95	104	96	

High Efficacy (HE64)						
CCT	Multiplier (ref. - 30K)	CRI	TM-30			R ₉
			R _f	R _g	R _a	
2200K	0.74	94	91	96	65	
2400K	0.87	94	92	97	56	
2700K	0.97	94	92	100	57	
3000K	1.00	93	91	99	54	
3500K	1.01	95	91	99	62	
4000K	1.04	95	91	99	68	

Ordering Code

MODEL	LENGTH ¹	OUTPUT	CCT	REFLECTOR	FINISH ²	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END ⁵	POWER FEED RIGHT END ⁵	POWER SUPPLY TYPE
MREC-mCove Rectangle	12"-144" 1" increments	VC72VLO-Very Low	18K-1800K	LT-Long Throw TT-Tall Throw	BASE PR- Paint Ready POWDER COAT BK-Black WH-White	INTEGRAL POWRE SUPPLY SYSTEM RUNS				INTND-Non Dimming, 120/277VAC, 85W Max INTELV-ELV Dim, 120VAC, 40W Max INTO10-0-10V Dimming, 120/277VAC, 85W Max
		VC72LO-Low	22K-2200K			LE-Endcap	RE-Endcap	LHB-Back AC Feed	RNPF-No Power Feed RPB-Back DC Feed	
		VC72SO-Standard	24K-2400K			LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed	
		VC72MO-Medium	27K-2700K			LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed	
		VC72HO-High	30K-3000K			LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed	
	12"-144" 2" increments	VC72VHO-Very High	35K-3500K	LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed			
		VC72XHO-Extreme	41K-4100K	LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed			
		HE64VLO-Very Low	22K-2200K	LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed			
		HE64LO-low	24K-2400K	LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed			
		HE64SO-Standard	27K-2700K	LE-Endcap	RE-Endcap	LNPF-No Power Feed LPB-Back DCFeed	RHB-Back AC Feed			
REMOTE POWER SUPPLY SYSTEM RUNS (TO PAIR WITH INTEGRAL POWER SUPPLY SECTIONS)										
					LE-Endcap	RE-Endcap	LNPF-No Power Feed	RPB-Back DC Feed	R-Remote Power Supply	
					LE-Endcap	RE-Endcap	LNPF-No Power Feed	RPB-Back DC Feed		
					LE-Endcap	RE-Endcap	LNPF-No Power Feed	RPB-Back DC Feed		

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

2 - Title 24 JA8 achievable depending on Output, CCT, and lens selections.

See multiplier charts to calculate specific efficacies.

3 - Plenum Rated Wire leads are 72" long.

4 - NOTE: Cannot pair LNPF/RNPF without jumper connections - either LN|J or RN|J must be selected to allow for LNPF/RNPF to be chosen.

5 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

2 - Title 24 JA8 achievable depending on Output, CCT, and Lens selections.

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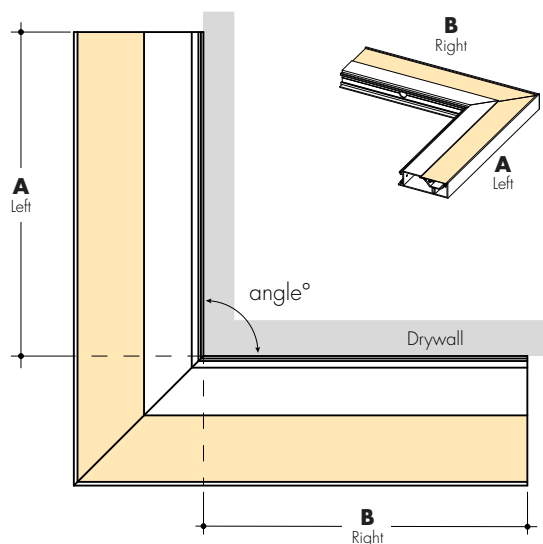
4 - Plenum Rated Wire leads are 72" long.

5 - NOTE: Cannot pair LNPF-RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF-RNPF to be chosen.

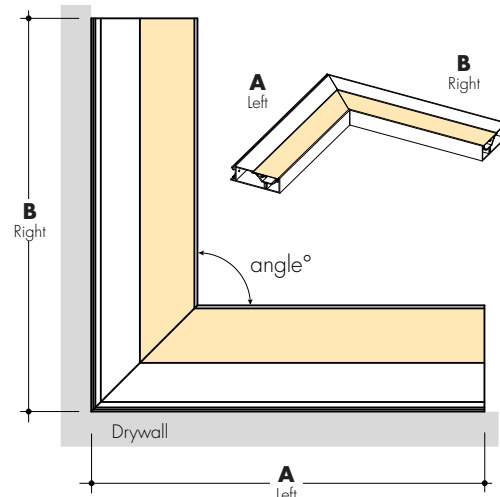
6 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

mCove Rectangle Corner Options

MREC-OC
Outer Corner



MREC-IC
Inner Corner



Vibrant Color	Actual Length		Total Wattage						
Corner Type	A	B	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO	VC72XHO
Inner (MREC-IC)	14 9/16"	14 9/16"	2.2	5.7	7.4	9.9	12.7	16.0	21.4
Outer (MREC-OC)	9 13/16"	9 13/16"	2.2	5.7	7.4	9.9	12.7	16.0	21.4
High Efficacy	Actual Length		Total Wattage						
Corner Type	A	B	HE64VLO	HE64LO	HE64SO	HE64MO	HE64HO	HE64VHO	HE64XHO
Inner (MREC-IC)	14 12/16"	14 12/16"	2.0	3.9	6.0	8.2	11.8	14.8	19.0
Outer (MREC-OC)	10 2/16"	10 2/16"	2.0	3.9	6.0	8.2	11.8	14.8	19.0

Ordering Code

MODEL	LENGTH ¹	ANGLE	OUTPUT	CCT	REFLECTOR	FINISH ²	LEFT END CAP	RIGHT END CAP	POWER FEED LEFT END ⁵	POWER FEED RIGHT END ⁵	POWER SUPPLY TYPE
MREC - mCove Rectangle	IC - Inside Corner OC - Outside Corner	90° - 90° Corner C - Custom Angle Corner	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High VC72XHO - Extreme HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium HE64HO - High HE64VHO - Very High HE64XHO - Max	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	LT - Long Throw TT - Tall Throw	BASE PR - Paint Ready POWDER COAT BK - Black WH - White					
INTEGRAL POWER SUPPLY SYSTEM RUNS											
							LE - Endcap	RE - Endcap	LHB - Back AC Feed	RNPF - No Power Feed RPB - Back DC Feed	INTND - Non Dimming, 120/277VAC, 85W Max INTELV - ELV Dim, 120VAC, 40W Max INTO10 - 0-10V Dimming, 120/277VAC, 85W Max
							LE - Endcap	RE - Endcap	LNPF - No Power Feed LPB - Back DC Feed	RHB - Back AC Feed	
							LE - Endcap LN - No Endcap	RN - No Endcap RNJ - No Endcap, W/ Jumper	LHB - Back AC Feed	RNPF - No Power Feed	
							LN - No Endcap LNJ - No Endcap, W/ Jumper	RE - Endcap RN - No Endcap	LNPF - No Power Feed	RHB - Back AC Feed	
REMOTE POWER SUPPLY SYSTEM RUNS (TO PAIR WITH INTEGRAL POWER SUPPLY SECTIONS)											
							LE - Endcap	RE - Endcap	LPB - Back DC Feed	RNPF - No Power Feed	R - Remote Power Supply
							LE - Endcap	RE - Endcap	LNPF - No Power Feed	RPB - Back DC Feed	
							LE - Endcap LN - No Endcap LNJ - No Endcap, W/ Jumper	RE - Endcap RN - No Endcap RNJ - No Endcap, W/ Jumper	LNPF - No Power Feed ⁴	RNPF - No Power Feed ⁴	

1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

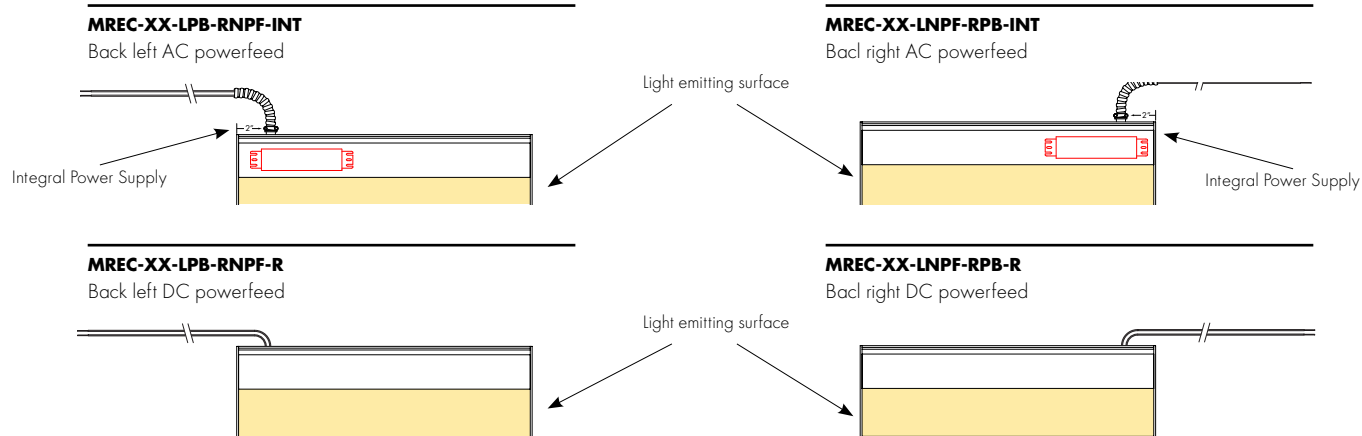
2 - Title 24 JA8 achievable depending on Output, CCT, and lens selections. See multiplier charts to calculate specific efficacies.

3 - Plenum Rated Wire leads are 72" long.

4 - NOTE: Cannot pair LNPF-RNPF without jumper connections - either LNJ or RNJ must be selected to allow for LNPF-RNPF to be chosen.

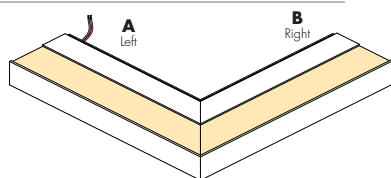
5 - NOTE: Cannot have a power feed on the same end as a jumper wire connection.

Power feed options for straight sections



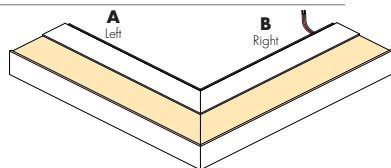
Power feed options for corner fixtures

MREC-OC-90-XX-LPB-RNPF-R
Outside Corner, back left powerfeed



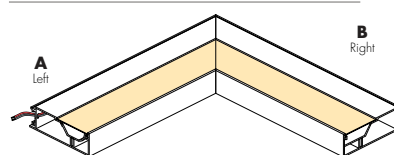
Note: If using an Integral Power supply, it's location is on the left (segment A)

MREC-OC-90-XX-LNPF-RPB-R
Outside Corner, back right powerfeed



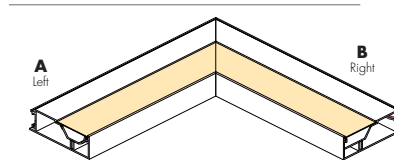
Note: If using an Integral Power supply, it's location is on the right (segment B)

MREC-IC-90-XX-LPB-RNPF-R
Inside Corner, back left powerfeed



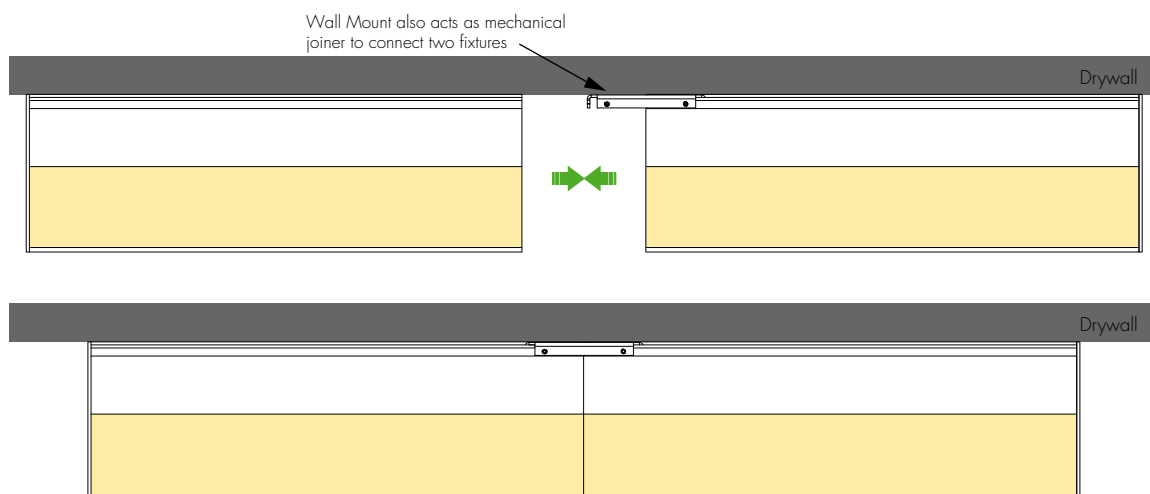
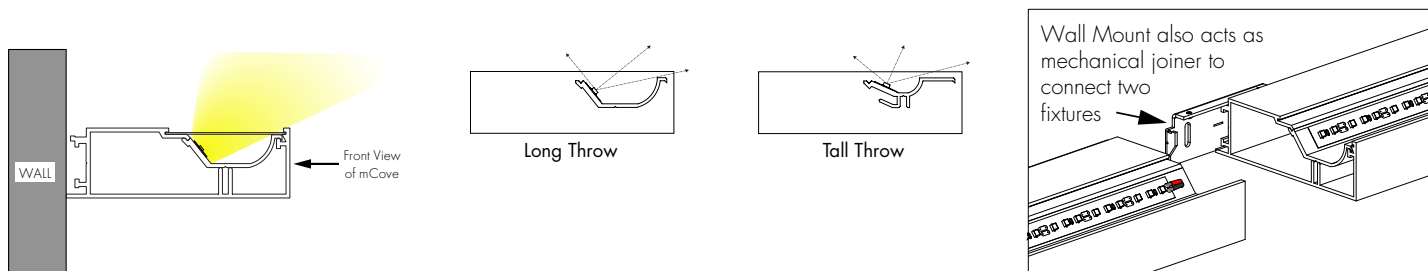
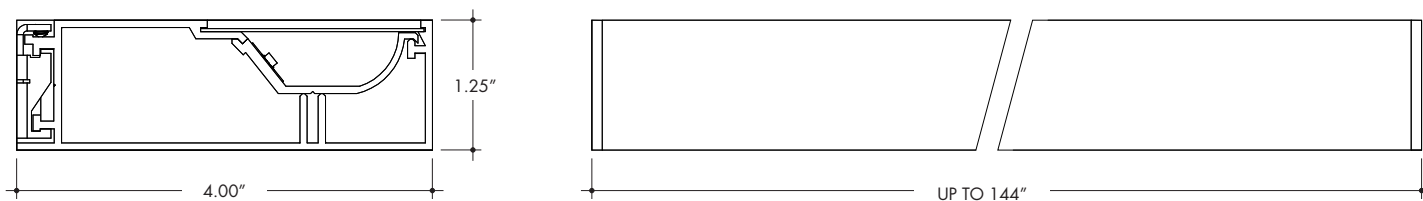
Note: If using an Integral Power supply, it's location is on the left (segment A)

MREC-IC-90-XX-LNPF-RPB-R
Inside Corner, back right powerfeed



Note: If using an Integral Power supply, it's location is on the right (segment B)

Product Dimensions



Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times and price adder.
- Custom RALs are available, please consult Inside Sales with specific request.

**Paint Ready
Base**



Paint Ready is designed for easy field painting and custom color matching

**Black
Powder Coat**



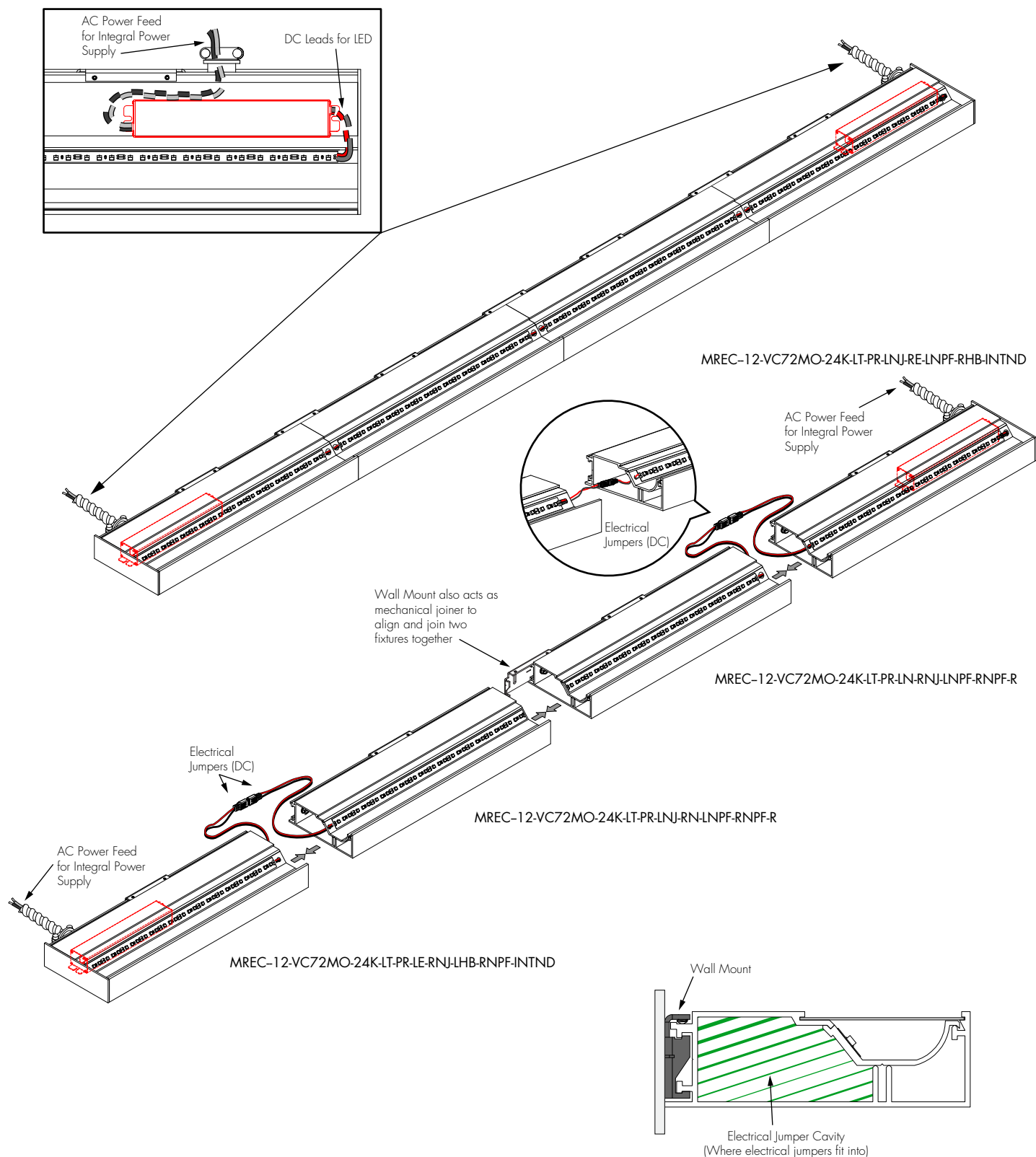
Black is a true deep black with a glossy finish.

**White
Powder Coat**

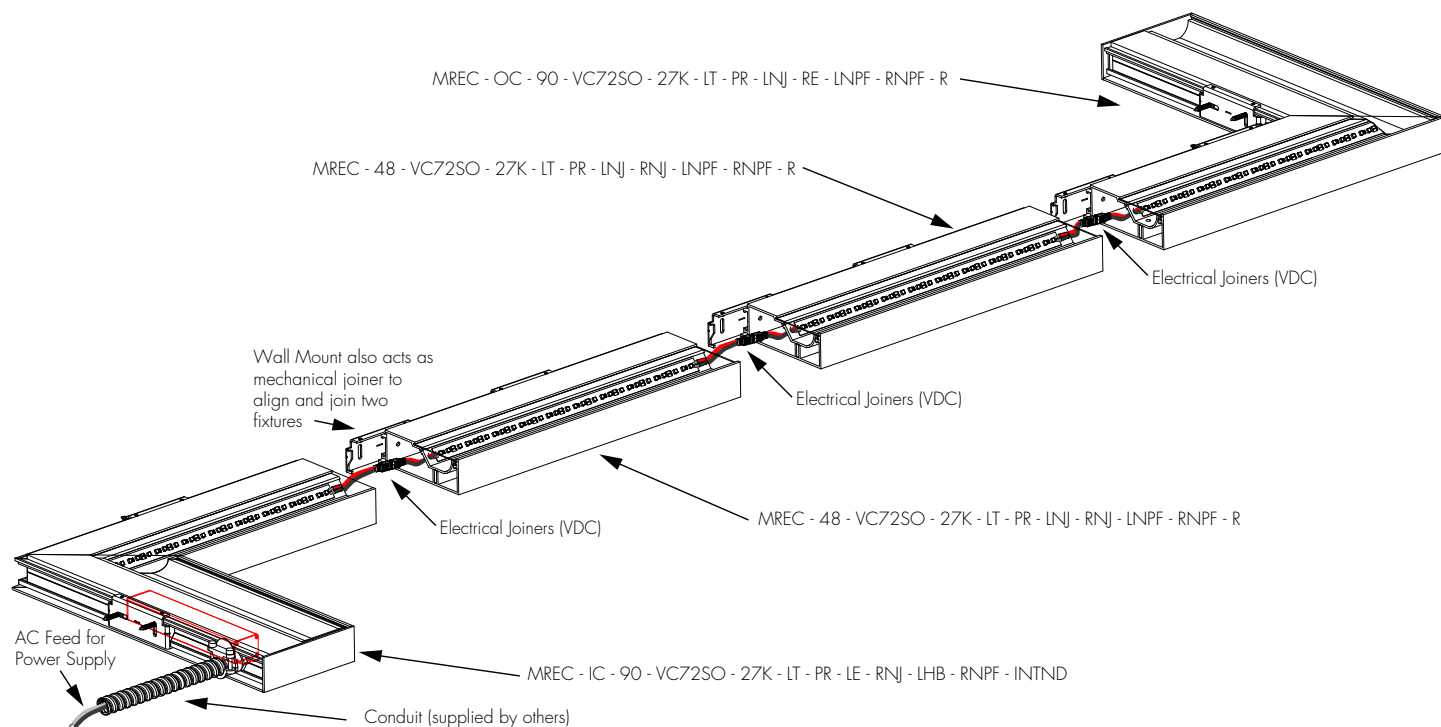


White is a polar bright white and field paintable.

Sample Layout of Power Feed

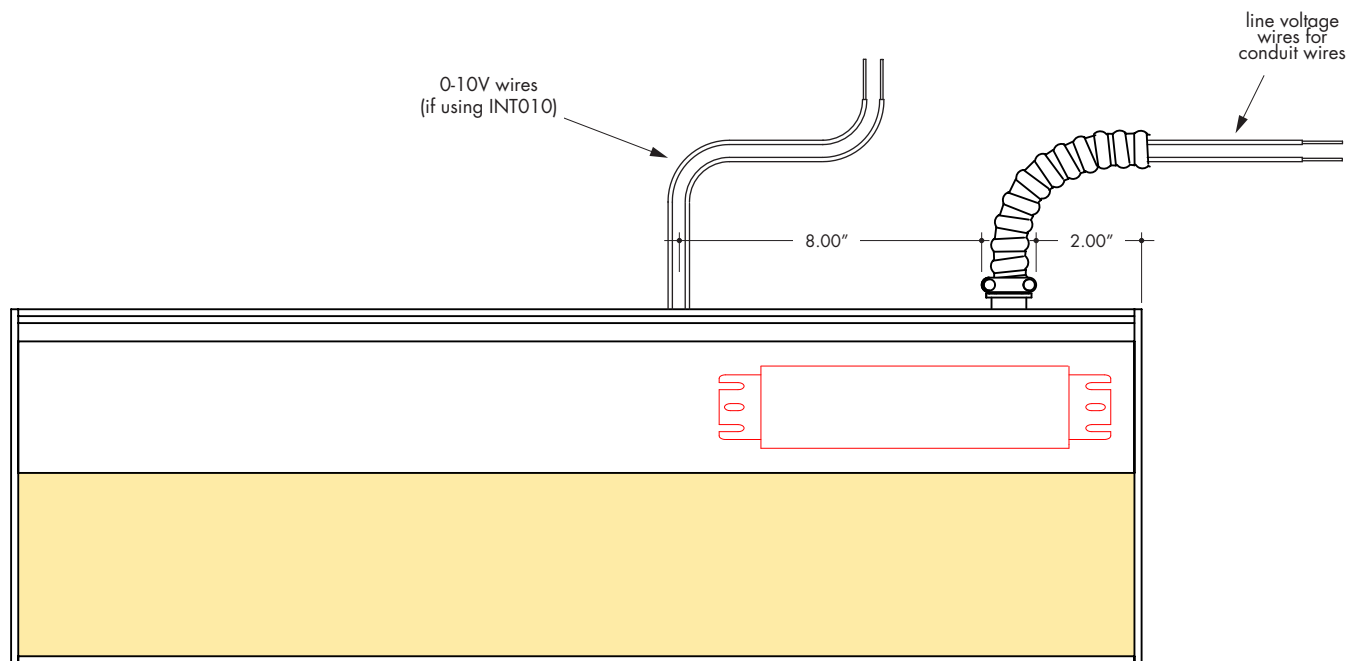


Layout example



Conduit Connector

- If using an integral power supply, the AC power feed conduit fitting will be 2" from the end of the fixture (based on the power feed position selected in the ordering code)
- If using INTO10, there will be a second conduit connector for the 0-10V wires that is spaced 8" from the AC power feed conduit fitting.



Light Transmission and Dotting

Output Options	Lens/Accessory							
	Long Throw Reflector				Tall Throw Reflector			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	CD	CD	CD	CD	CD	CD	CD	CD
VC72LO	CD	CD	CD	CD	CD	CD	CD	CD
VC72SO	CD	CD	CD	CD	CD	CD	CD	CD
VC72MO	CD	CD	CD	CD	CD	CD	CD	CD
VC72HO	CD	CD	CD	CD	CD	CD	CD	CD
VC72VHO	CD	CD	CD	CD	CD	CD	CD	CD
VC72XHO	CD	CD	CD	CD	CD	CD	CD	CD
HE64VLO	CD	CD	CD	CD	CD	CD	CD	CD
HE64LO	CD	CD	CD	CD	CD	CD	CD	CD
HE64SO	CD	CD	CD	CD	CD	CD	CD	CD
HE64MO	CD	CD	CD	CD	CD	CD	CD	CD
HE64HO	CD	CD	CD	CD	CD	CD	CD	CD
HE64VHO	CD	CD	CD	CD	CD	CD	CD	CD
HE64XHO	CD	CD	CD	CD	CD	CD	CD	CD
Transmission Percentage	100%				100%			

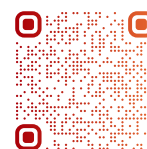


CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

Use complete Dotting
Chart Tool online
for more dotting
information



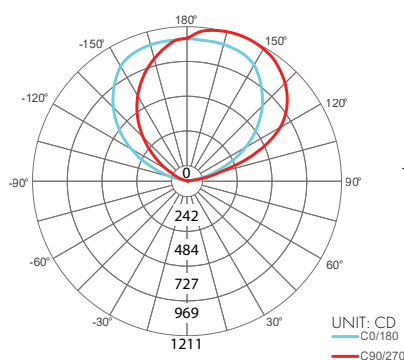
I'm also click-able

Fixture uses indirect lighting, will have clear dotting if looking from above the fixture

Photometry

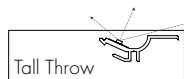
MREC-48-VC72VHO-30K-TT

MCove Rectangle, 4ft, VHO, 3000K, Tall Throw Lens



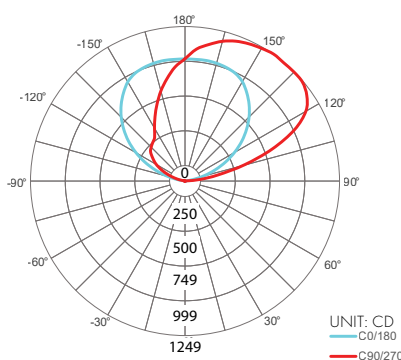
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	222	26%
0-40	369	44%
0-60	667	79%
0-90	832	99%
Total 0-180	840	100%



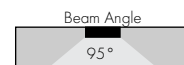
MREC-48-VC72VHO-30K-LT

MCove Rectangle, 4ft, VHO, 3000K, Long Throw Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	194	23%
0-40	324	39%
0-60	618	74%
0-90	832	99%
Total 0-180	840	100%



Power Consumption

Please visit the link/QR code below to access the Luminii Power Consumption Chart tool on our website.

There you will be able to select your fixture, output, and desired power feed to get a full power consumption table.



I'm also click-able

Desired Nominal Length:

Desired Output:

Desired CCT:

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5