

Features

- 24VDC Class 2 fixtures made to order up to 76"
- Suitable for direct view wall mount, vanity, and accent lighting
- Class 2 listed for damp locations
- Dot free even illumination
- Integral power supply included, fits inside a single gang box behind the backplate. 120 VAC only, dimmable with MLV, ELV, and Incandescent dimmers (see dimmer compatibility chart [LINK](#))
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Vibrant Color options offer premium quality and vibrant colors with R9 values up to 98
- High Efficacy options offer best in class output and efficacy with over 850 lm/ft and up to 101 lm/W
- Average Life (L70): 50,000hrs
- 7 year warranty

Finish Options (see page 2 for additional information)

Base	☐ Silver Anodized
Powder Coat	☐ Black ☐ Bronze ☐ White
Premium	☐ Matte Black ☐ Warm Nickel ☐ Aged Brass ☐ Polished Gold ☐ Chrome



Technical Information

TYPE	Vibrant Color VC72						
OUTPUT OPTIONS	VC72VLO	VC72LO	VC72SO	VC72MO	VC72HO	VC72VHO	VC72XHO
Lumens Output (3000K) (with a Frosted Lens)	80 lm/ft	204 lm/ft	272 lm/ft	359 lm/ft	434 lm/ft	578 lm/ft	689 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	73 lm/W	73 lm/W	74 lm/W	73 lm/W	74 lm/W	73 lm/W	70 lm/W
Max Run Length (individual fixture)	6.3 ft	6.3 ft	6.3 ft	6.3 ft	6.3 ft	5.5 ft	4 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)				-4°F - 104°F (-20°C - 40°C)		-4°F - 86°F (-20°C - 30°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 Frosted Lens)	89 lm/ft	192 lm/ft	275 lm/ft	365 lm/ft	519 lm/ft	712 lm/ft	857 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	89 lm/W	101 lm/W	95 lm/W	96 lm/W	93 lm/W	100 lm/W	96 lm/W
Max Run Length (individual fixture)	43.2 ft	21.3 ft	13.9 ft	10.3 ft	7.1 ft	5.5 ft	4.3 ft
Ambient Operating Temperature Range*	-4°F - 122°F (-20°C - 50°C)				-4°F - 113°F (-20°C - 45°C)		-4°F - 95°F (-20°C - 35°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	R _f	R _g	R ₉	
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	R _f	R _g	R ₉	
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 ²	CCT	LENS	FINISH ^{3,4}
CLSW - Clareo S Wall CLQW - Clareo Q Wall	24"-76" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium VC72HO - High VC72VHO - Very High VC72XHO - Extreme	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted	BASE SA - Silver Anodized POWDER COAT BK - Black BZ - Bronze WH - White PREMIUM MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold ⁵ CH - Chrome ⁵
	24"-76" 2" increments	HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium HE64HO - High HE64VHO - Very High HE64XHO - Extreme	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K		

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

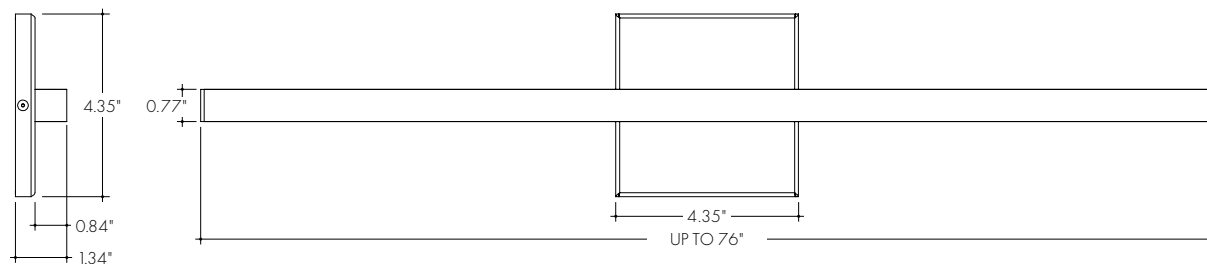
2 - Title 24 JA8 achievable depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies.

3 - Non Base finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.

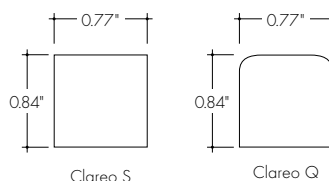
4 - White canopy included with all finishes except Black and Matte Black, which include a Black canopy.

5 - Polished Gold finishes and Chrome finishes have a maximum fixture length of 96".

Product Dimensions

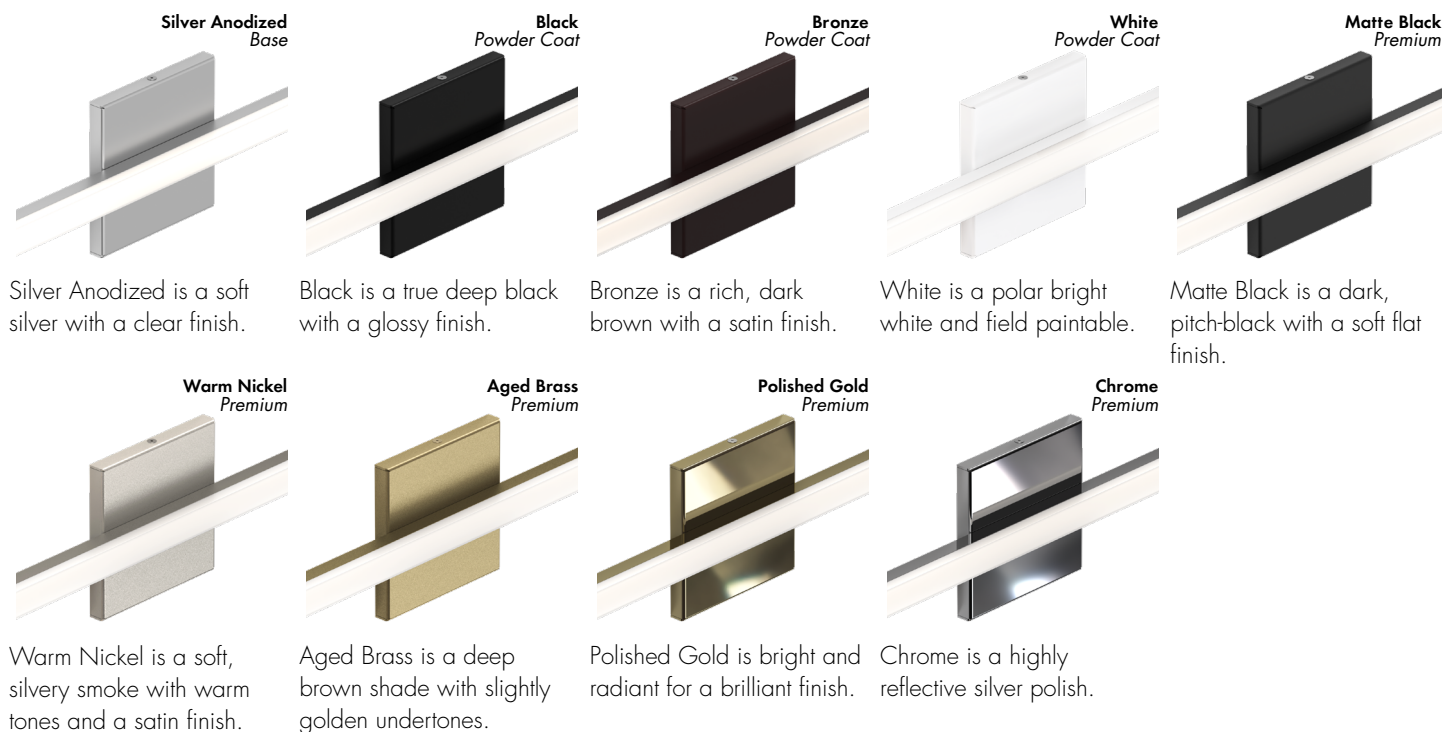


Model Profiles



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.



Light Transmission and Dotting

Output Options	Lens/Accessory							
	CLQ Frosted Lens				CLS Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%
VC72VLO	ND	ND	ND	ND	ND	ND	ND	ND
VC72LO	ND	ND	ND	ND	ND	ND	ND	ND
VC72SO	ND	ND	ND	ND	ND	ND	ND	ND
VC72MO	ND	ND	ND	ND	ND	ND	ND	ND
VC72HO	ND	ND	ND	ND	ND	ND	ND	ND
VC72VHO	ND	ND	ND	ND	ND	ND	ND	ND
VC72XHO	ND	ND	ND	ND	ND	ND	ND	ND
HE64VLO	ND	ND	ND	ND	ND	ND	ND	ND
HE64LO	ND	ND	ND	ND	ND	ND	ND	ND
HE64SO	ND	ND	ND	ND	ND	ND	ND	ND
HE64MO	ND	ND	ND	ND	ND	ND	ND	ND
HE64HO	ND	ND	ND	ND	ND	ND	ND	ND
HE64VHO	ND	ND	ND	ND	ND	ND	ND	ND
HE64XHO	ND	ND	ND	ND	ND	ND	ND	ND
Transmission Percentage	100%				100%			

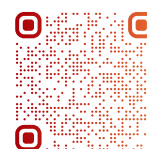


CD - Clear Dotting

SD - Slight Dotting

ND - No Dotting

Use complete Dotting Chart Tool online for more dotting information

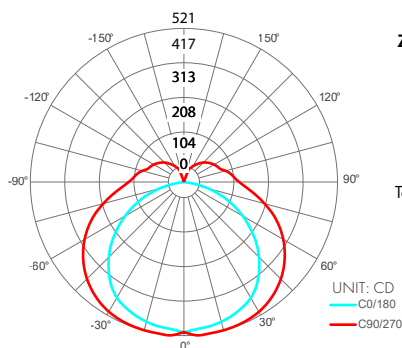


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Photometry

CLQ-48-VC72VHO-30K-F

Clareo Q, 4ft, VHO, 3000K, Frosted Lens



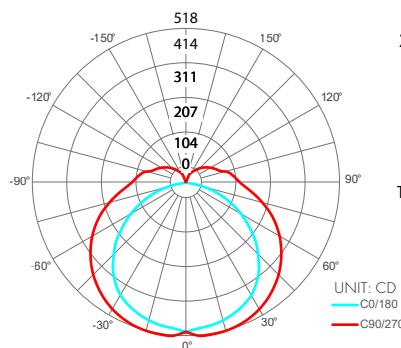
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	110	19%
0-40	185	32%
0-60	345	60%
0-90	494	86%
Total 0-180	578	100%



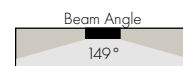
CLS-48-VC72VHO-30K-F

Clareo S, 4ft, VHO, 3000K, Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	107	19%
0-40	181	31%
0-60	340	59%
0-90	487	84%
Total 0-180	578	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.



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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