

## Features

- Cylindrical shape with 360° of diffuse, even illumination.
- Suitable for direct view, vanity, wall mount applications
- 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 97
- High Efficacy options offer best in class output and efficacy with over 1180 lm/ft and up to 104 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			
	3x VC72VLO	3x VC72LO	3x VC72SO	3x VC72MO
<b>OUTPUT OPTIONS</b>				
Lumens Output (3000K) (with a Frosted Lens)	259 lm/ft	661 lm/ft	879 lm/ft	1162 lm/ft
Average Power Consumption (for a 4' section)	3.3 W/ft	8.4 W/ft	11.1 W/ft	14.7 W/ft
Efficacy	78 lm/W	79 lm/W	79 lm/W	79 lm/W
Max Run Length (in series)	16.3 ft	5.5 ft	4.1 ft	3 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)	-4°F - 68°F (-20°C - 20°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			
	3x HE64VLO	3x HE64LO	3x HE64SO	3x HE64MO
<b>OUTPUT OPTIONS</b>				
Lumens Output (3000K) (with a Frosted Lens)	287 lm/ft	620 lm/ft	889 lm/ft	1182 lm/ft
Average Power Consumption (for a 4' section)	3 W/ft	5.7 W/ft	8.7 W/ft	11.4 W/ft
Efficacy	96 lm/W	109 lm/W	102 lm/W	104 lm/W
Max Run Length (in series)	14.3 ft	7.2 ft	4.6 ft	3.4 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)	-4°F - 68°F (-20°C - 20°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.

CCT	Multiplier (ref. - 30K)	CRI	TM-30		
			R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
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

CCT	Multiplier (ref. - 30K)	CRI	TM-30		
			R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
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

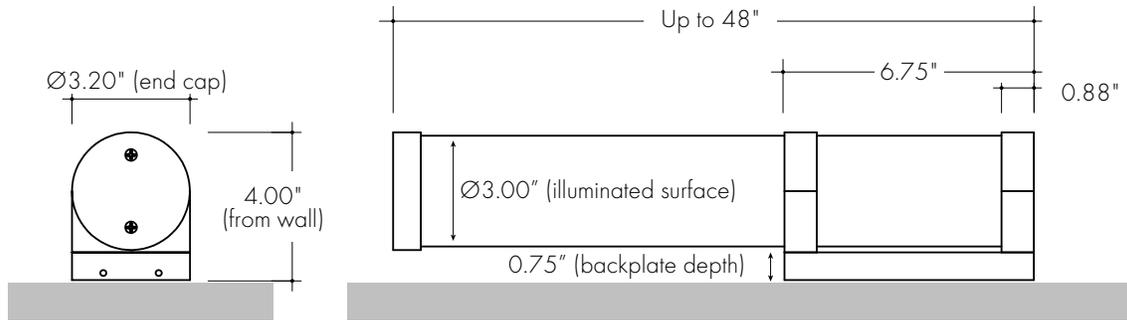
MODEL	LENGTH <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	FINISH <sup>3</sup>
EXPW - Explorer Wall	12"-48" 1" increments	VC72VLO - Very Low VC72LO - Low VC72SO - Standard VC72MO - Medium	18K - 1800K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K	F - Frosted	BASE SA - Silver Anodized  POWDER COAT BK - Black BZ - Bronze WH - White
	12"-48" 2" increments	HE64VLO - Very Low HE64LO - Low HE64SO - Standard HE64MO - Medium	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K		PREMIUM MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold CH - Chrome

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.

**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.

**Silver Anodized Base**



Silver Anodized is a soft silver with a clear finish.

**Black Powder Coat**



Black is a true deep black with a glossy finish.

**Bronze Powder Coat**



Bronze is a rich, dark brown with a satin finish.

**White Powder Coat**



White is a polar bright white and field paintable.

**Matte Black Premium**



Matte Black is a dark, pitch-black with a soft flat finish.

**Warm Nickel Premium**



Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

**Aged Brass Premium**



Aged Brass is a deep brown shade with slightly golden undertones.

**Polished Gold Premium**



Polished Gold is bright and radiant for a brilliant finish.

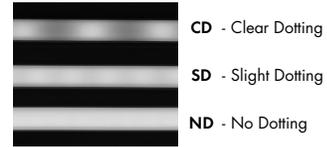
**Chrome Premium**



Chrome is a highly reflective silver polish.

Light Transmission and Dotting

Output Options	Lens/Accessory			
	Frosted Lens			
Dimming Level	100%	50%	10%	1%
VC72VLO	ND	ND	ND	ND
VC72LO	ND	ND	ND	ND
VC72SO	ND	ND </td <td>ND</td> <td>ND</td>	ND	ND
VC72MO	ND	ND	ND	ND
HE64VLO	ND	ND	ND	ND
HE64LO	ND	ND	ND	ND
HE64SO	ND	ND	ND	ND
HE64MO	ND	ND	ND	ND
<b>Transmission Percentage</b>	100%			



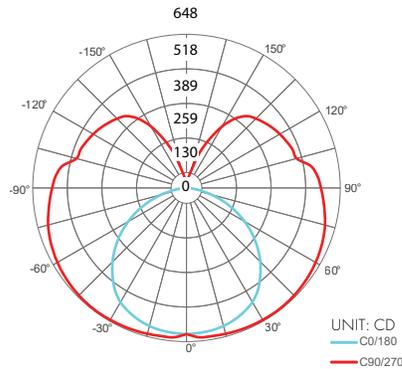
Use complete Dotting Chart Tool online for more dotting information

I'm also clickable

Photometry

EXPW-48-VC72MO-30K-F

Explorer Wall, 4ft, MO, 3000K, Frosted Lens



Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture	
0-30	128	11%	
0-40	219	19%	
0-60	439	38%	
0-90	757	65%	
<b>Total</b>	<b>0-180</b>	<b>1162</b>	<b>100%</b>



**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