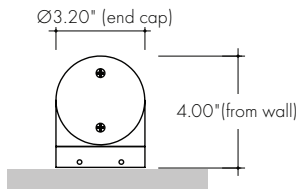




Features

- Cylindrical shape with 360° of diffuse, even illumination.
- 24VDC Class 2 fixtures made to order up to 48".
- Suitable for 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)
- LL72 options offer premium quality and vibrant colors with R9 values up to 97
- HE options offer best in class output and efficacy with over 2000 lm/ft and over 90 lm/W
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- 5 Year warranty



Finish Options

- Silver anodized
- Bronze powder coated
- Black powder coated
- White powder coated



Technical Information

| MODEL | LL72 High Color Quality | | | HE48 High Efficacy | | | | HE64 High Efficacy |
|-----------------------------------------------------|----------------------------|-----------|------------|-----------------------|-----------|-----------|------------|-----------------------|
| | SO | HO | VHO | LO | SO | MO | HO | SO |
| Lumens Output (3000K) | 548 lm/ft | 891 lm/ft | 1083 lm/ft | 534 lm/ft | 740 lm/ft | 988 lm/ft | 1584 lm/ft | 2005 lm/ft |
| Average Power Consumption (for a 4" section) | 8.4 W/ft | 14.4 W/ft | 18 W/ft | 5.7 W/ft | 8.4 W/ft | 10.5 W/ft | 19.5 W/ft | 22.5 W/ft |
| Efficacy | 65 lm/W | 62 lm/W | 60 lm/W | 94 lm/W | 88 lm/W | 94 lm/W | 81 lm/W | 89 lm/W |

LL72

| CCT | Multiplier (reference - 3000K) | TM-30 | | | |
|-------|-----------------------------------|-------|----------------|----------------|----------------|
| | | CRI | R _f | R _g | R ₉ |
| 1900K | 0.55 | 96 | 94 | 97 | 90 |
| 2200K | 0.70 | 96 | 95 | 101 | 89 |
| 2400K | 0.72 | 98 | 97 | 101 | 91 |
| 2700K | 0.74 | 97 | 96 | 101 | 91 |
| 3000K | 1.00 | 97 | 95 | 104 | 97 |
| 3500K | 1.02 | 97 | 94 | 105 | 97 |
| 4100K | 1.07 | 97 | 90 | 99 | 97 |

HE48/HE64

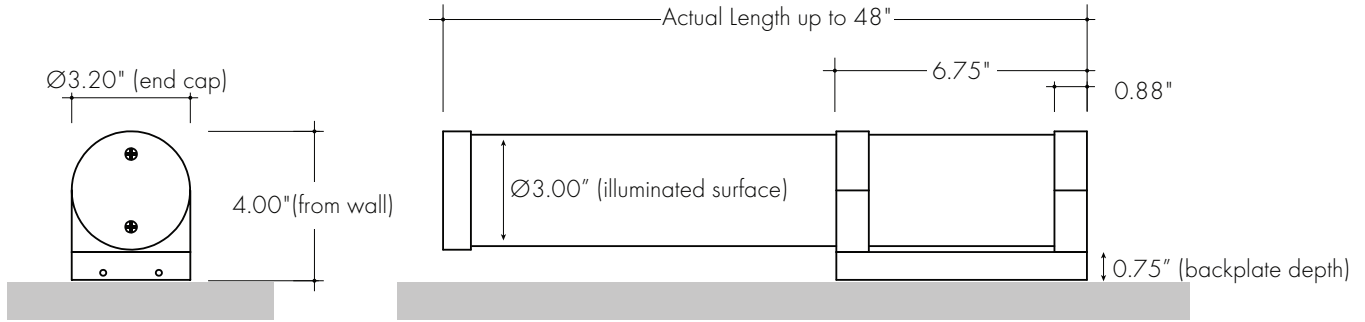
| CCT | Multiplier (reference - 3000K) | TM-30 | | | |
|-------|-----------------------------------|-------|----------------|----------------|----------------|
| | | CRI | R _f | R _g | R ₉ |
| 2700K | 0.94 | 92 | 90 | 99 | 58 |
| 3000K | 1.00 | 92 | 89 | 99 | 57 |
| 3500K | 1.02 | 92 | 89 | 99 | 60 |
| 4000K | 1.02 | 92 | 86 | 94 | 71 |

Ordering Code

| MODEL | LENGTH ¹ | OUTPUT | CCT | LENS ² | FINISH ³ |
|----------------------|--------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------|
| EXPW - Explorer Wall | 12"-48" 1" increments | LL72SO - Standard LL72HO - High LL72VHO - Very High | 19K - 1900K 22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K | F - Frosted | SA - Silver BK - Black BZ - Bronze WH - White |
| | 12"-48" 2" increments | HE48LO - Low HE48SO - Standard HE48MO - Medium HE48HO - High HE64SO - Standard | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K | | |

1 - See end of document for Power Consumption tables and Actual lengths. Custom lengths and increments are available, please consult factory with specific request.
 2 - All HE48 and HE64 options can be used to comply with Title 24 JAB. LL72 options can be used to comply with Title 24 JAB depending on output and CCT selections. See multiplier charts to calculate specific efficacy.
 3 - BK, BZ, and WH finishes may have extended lead times. Custom RALs are available, please consult Inside Sales for specific needs.

Product Dimensions



Lens Option / Light Transmission

LED Dotting Per Output/Lens

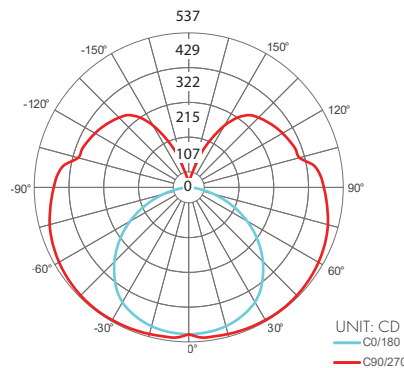
| Output Type | Lens Type |
|-------------|-----------|
| | Frosted |
| LL72SO | ND |
| LL72HO | ND |
| LL72VHO | ND |
| HE48LO | ND |
| HE48SO | ND |
| HE48MO | ND |
| HE48HO | ND |
| HE64SO | ND |



CD SD ND
 CD - Clear Dotting
 SD - Slight Dotting
 ND - No Dotting

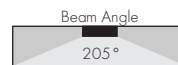
Photometry

EXPW-48-30K-LL72VHO-F
 Explorer Wall, 4ft, 3000K, VHO, Frosted Lens



Zonal Lumen Summary 3000K

| Zone | Lumen | % Fixture |
|--------------|-------------|---------------|
| 0-30 | 477 | 11.0% |
| 0-40 | 818 | 18.9% |
| 0-60 | 1636 | 37.8% |
| 0-90 | 2823 | 65.2% |
| Total | 4332 | 100.0% |



Power Consumption

Tested at full power with PSD Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

LL72

| Nominal Length (in) | Actual Length | Watts | | | Nominal Length (in) | Actual Length | Watts | | | Nominal Length (in) | Actual Length | Watts | | |
|---------------------|---------------|-------|------|------|---------------------|---------------|-------|------|------|---------------------|---------------|-------|----|-----|
| | | SO | HO | VHO | | | SO | HO | VHO | | | SO | HO | VHO |
| 12 | 11 4/16 | 8.0 | 13.1 | 18.6 | 47 | 46 | 30.0 | 50.2 | 66.4 | 82 | - | - | - | |
| 13 | 12 7/16 | 8.0 | 13.1 | 18.6 | 48 | 47 3/16 | 30.7 | 51.2 | 67.8 | 83 | - | - | - | |
| 14 | 13 9/16 | 8.0 | 13.1 | 18.6 | 49 | - | - | - | - | 84 | - | - | - | |
| 15 | 14 12/16 | 8.7 | 14.3 | 20.2 | 50 | - | - | - | - | 85 | - | - | - | |
| 16 | 15 14/16 | 9.4 | 15.6 | 21.8 | 51 | - | - | - | - | 86 | - | - | - | |
| 17 | - | - | - | - | 52 | - | - | - | - | 87 | - | - | - | |
| 18 | 17 1/16 | 10.1 | 16.8 | 23.4 | 53 | - | - | - | - | 88 | - | - | - | |
| 19 | 18 3/16 | 10.9 | 18.1 | 25.0 | 54 | - | - | - | - | 89 | - | - | - | |
| 20 | 19 6/16 | 11.6 | 19.4 | 26.6 | 55 | - | - | - | - | 90 | - | - | - | |
| 21 | 20 8/16 | 13.1 | 21.9 | 29.8 | 56 | - | - | - | - | 91 | - | - | - | |
| 22 | 21 11/16 | 13.8 | 23.1 | 31.4 | 57 | - | - | - | - | 92 | - | - | - | |
| 23 | 22 13/16 | 14.5 | 24.4 | 33.0 | 58 | - | - | - | - | 93 | - | - | - | |
| 24 | - | - | - | - | 59 | - | - | - | - | 94 | - | - | - | |
| 25 | 24 | 15.2 | 25.7 | 34.6 | 60 | - | - | - | - | 95 | - | - | - | |
| 26 | 25 3/16 | 16.0 | 26.9 | 36.2 | 61 | - | - | - | - | 96 | - | - | - | |
| 27 | 26 5/16 | 16.7 | 28.2 | 37.8 | 62 | - | - | - | - | | | | | |
| 28 | 27 8/16 | 17.4 | 29.3 | 39.3 | 63 | - | - | - | - | | | | | |
| 29 | 28 10/16 | 18.7 | 31.5 | 42.2 | 64 | - | - | - | - | | | | | |
| 30 | 29 13/16 | 19.4 | 32.6 | 43.6 | 65 | - | - | - | - | | | | | |
| 31 | 30 15/16 | 20.0 | 33.7 | 45.1 | 66 | - | - | - | - | | | | | |
| 32 | - | - | - | - | 67 | - | - | - | - | | | | | |
| 33 | 32 2/16 | 20.7 | 34.8 | 46.5 | 68 | - | - | - | - | | | | | |
| 34 | 33 4/16 | 21.3 | 35.9 | 48.0 | 69 | - | - | - | - | | | | | |
| 35 | 34 7/16 | 22.0 | 37.0 | 49.4 | 70 | - | - | - | - | | | | | |
| 36 | 35 9/16 | 23.3 | 39.2 | 52.3 | 71 | - | - | - | - | | | | | |
| 37 | 36 12/16 | 24.0 | 40.3 | 53.8 | 72 | - | - | - | - | | | | | |
| 38 | 37 14/16 | 24.7 | 41.5 | 55.2 | 73 | - | - | - | - | | | | | |
| 39 | - | - | - | - | 74 | - | - | - | - | | | | | |
| 40 | 39 1/16 | 25.3 | 42.5 | 56.6 | 75 | - | - | - | - | | | | | |
| 41 | 40 3/16 | 26.0 | 43.6 | 58.0 | 76 | - | - | - | - | | | | | |
| 42 | 41 6/16 | 26.7 | 44.7 | 59.4 | 77 | - | - | - | - | | | | | |
| 43 | 42 8/16 | 28.0 | 46.9 | 62.2 | 78 | - | - | - | - | | | | | |
| 44 | 43 11/16 | 28.7 | 48.0 | 63.6 | 79 | - | - | - | - | | | | | |
| 45 | 44 14/16 | 29.3 | 49.1 | 65.0 | 80 | - | - | - | - | | | | | |
| 46 | - | - | - | - | 81 | - | - | - | - | | | | | |

Power Consumption

Tested at full power with PSD Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

HE48

| Nominal Length (in) | Actual Length | Watts | | | | Nominal Length (in) | Actual Length | Watts | | | | Nominal Length (in) | Actual Length | Watts | | | |
|---------------------|---------------|-------|------|------|------|---------------------|---------------|-------|------|------|-----------|---------------------|---------------|-------|----|----|----|
| | | LO | SO | MO | HO | | | LO | SO | MO | HO | | | LO | SO | MO | HO |
| 12 | 11 13/16 | 5.1 | 7.4 | 10.4 | 17.2 | 47 | — | — | — | — | 82 | — | — | — | — | | |
| 13 | — | — | — | — | — | 48 | 47 4/16 | 20.6 | 32.0 | 39.8 | 74.0 | 83 | — | — | — | — | |
| 14 | 13 13/16 | 5.1 | 7.4 | 10.4 | 17.2 | 49 | — | — | — | — | 84 | — | — | — | — | | |
| 15 | — | — | — | — | — | 50 | — | — | — | — | 85 | — | — | — | — | | |
| 16 | 15 12/16 | 6.1 | 8.9 | 12.1 | 21.6 | 51 | — | — | — | — | 86 | — | — | — | — | | |
| 17 | — | — | — | — | — | 52 | — | — | — | — | 87 | — | — | — | — | | |
| 18 | 17 12/16 | 7.1 | 10.4 | 13.9 | 26.1 | 53 | — | — | — | — | 88 | — | — | — | — | | |
| 19 | — | — | — | — | — | 54 | — | — | — | — | 89 | — | — | — | — | | |
| 20 | 19 11/16 | 8.1 | 11.8 | 15.6 | 30.6 | 55 | — | — | — | — | 90 | — | — | — | — | | |
| 21 | — | — | — | — | — | 56 | — | — | — | — | 91 | — | — | — | — | | |
| 22 | 21 11/16 | 9.1 | 13.3 | 17.4 | 35.1 | 57 | — | — | — | — | 92 | — | — | — | — | | |
| 23 | — | — | — | — | — | 58 | — | — | — | — | 93 | — | — | — | — | | |
| 24 | 23 10/16 | 10.1 | 14.7 | 19.1 | 39.6 | 59 | — | — | — | — | 94 | — | — | — | — | | |
| 25 | — | — | — | — | — | 60 | — | — | — | — | 95 | — | — | — | — | | |
| 26 | 25 10/16 | 11.1 | 16.2 | 20.9 | 44.1 | 61 | — | — | — | — | 96 | — | — | — | — | | |
| 27 | — | — | — | — | — | 62 | — | — | — | — | — | — | — | — | — | | |
| 28 | 27 9/16 | 12.2 | 17.7 | 22.6 | 47.3 | 63 | — | — | — | — | — | — | — | — | — | | |
| 29 | — | — | — | — | — | 64 | — | — | — | — | — | — | — | — | — | | |
| 30 | 29 9/16 | 13.3 | 19.2 | 24.4 | 50.5 | 65 | — | — | — | — | — | — | — | — | — | | |
| 31 | — | — | — | — | — | 66 | — | — | — | — | — | — | — | — | — | | |
| 32 | 31 8/16 | 14.4 | 20.8 | 26.1 | 53.7 | 67 | — | — | — | — | — | — | — | — | — | | |
| 33 | — | — | — | — | — | 68 | — | — | — | — | — | — | — | — | — | | |
| 34 | 33 8/16 | 15.0 | 21.5 | 27.0 | 55.4 | 69 | — | — | — | — | — | — | — | — | — | | |
| 35 | — | — | — | — | — | 70 | — | — | — | — | — | — | — | — | — | | |
| 36 | 35 7/16 | 16.1 | 23.0 | 28.7 | 58.6 | 71 | — | — | — | — | — | — | — | — | — | | |
| 37 | — | — | — | — | — | 72 | — | — | — | — | — | — | — | — | — | | |
| 38 | 37 7/16 | 17.2 | 24.5 | 30.5 | 61.8 | 73 | — | — | — | — | — | — | — | — | — | | |
| 39 | — | — | — | — | — | 74 | — | — | — | — | — | — | — | — | — | | |
| 40 | 39 6/16 | 18.0 | 26.0 | 32.3 | 64.6 | 75 | — | — | — | — | — | — | — | — | — | | |
| 41 | — | — | — | — | — | 76 | — | — | — | — | — | — | — | — | — | | |
| 42 | 41 6/16 | 18.7 | 27.5 | 34.2 | 66.9 | 77 | — | — | — | — | — | — | — | — | — | | |
| 43 | — | — | — | — | — | 78 | — | — | — | — | — | — | — | — | — | | |
| 44 | 43 5/16 | 19.3 | 29.0 | 36.0 | 69.3 | 79 | — | — | — | — | — | — | — | — | — | | |
| 45 | — | — | — | — | — | 80 | — | — | — | — | — | — | — | — | — | | |
| 46 | 45 5/16 | 20.0 | 30.5 | 37.9 | 71.6 | 81 | — | — | — | — | — | — | — | — | — | | |

Power Consumption

Tested at full power with PSD Series power supplies.

Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please contact factory with specific request.

HE64

| Nominal Length (in) | Actual Length | Watts | Nominal Length (in) | Actual Length | Watts | Nominal Length (in) | Actual Length | Watts |
|---------------------|---------------|-------|---------------------|---------------|-------|---------------------|---------------|-------|
| | | SO | | | SO | | | SO |
| 12 | 11 1/16 | 22.8 | 47 | – | – | 82 | – | – |
| 13 | 12 10/16 | 22.8 | 48 | 47 7/16 | 84.7 | 83 | – | – |
| 14 | – | – | 49 | – | – | 84 | – | – |
| 15 | 14 2/16 | 22.8 | 50 | – | – | 85 | – | – |
| 16 | 15 10/16 | 26.6 | 51 | – | – | 86 | – | – |
| 17 | – | – | 52 | – | – | 87 | – | – |
| 18 | 17 2/16 | 28.4 | 53 | – | – | 88 | – | – |
| 19 | 18 11/16 | 32.2 | 54 | – | – | 89 | – | – |
| 20 | – | – | 55 | – | – | 90 | – | – |
| 21 | 20 3/16 | 34.1 | 56 | – | – | 91 | – | – |
| 22 | 21 11/16 | 37.8 | 57 | – | – | 92 | – | – |
| 23 | – | – | 58 | – | – | 93 | – | – |
| 24 | 23 3/16 | 39.7 | 59 | – | – | 94 | – | – |
| 25 | 24 11/16 | 43.4 | 60 | – | – | 95 | – | – |
| 26 | – | – | 61 | – | – | 96 | – | – |
| 27 | 26 4/16 | 45.3 | 62 | – | – | | | |
| 28 | 27 12/16 | 49.1 | 63 | – | – | | | |
| 29 | – | – | 64 | – | – | | | |
| 30 | 29 4/16 | 50.9 | 65 | – | – | | | |
| 31 | 30 12/16 | 54.7 | 66 | – | – | | | |
| 32 | – | – | 67 | – | – | | | |
| 33 | 32 5/16 | 56.6 | 68 | – | – | | | |
| 34 | 33 13/16 | 60.3 | 69 | – | – | | | |
| 35 | – | – | 70 | – | – | | | |
| 36 | 35 5/16 | 62.2 | 71 | – | – | | | |
| 37 | 36 13/16 | 65.9 | 72 | – | – | | | |
| 38 | – | – | 73 | – | – | | | |
| 39 | 38 5/16 | 67.8 | 74 | – | – | | | |
| 40 | 39 14/16 | 71.6 | 75 | – | – | | | |
| 41 | – | – | 76 | – | – | | | |
| 42 | 41 6/16 | 73.4 | 77 | – | – | | | |
| 43 | 42 14/16 | 77.2 | 78 | – | – | | | |
| 44 | – | – | 79 | – | – | | | |
| 45 | 44 6/16 | 79.1 | 80 | – | – | | | |
| 46 | 45 15/16 | 82.8 | 81 | – | – | | | |