

Project

Type



Date

Product Code

Designer

WAFER PRIM SQUARE/3 WL

recessed shallow trimless square LED wallwasher

FULLY SUSTAINABLE – FULLY SUSTAINABLE



FEATURES

- **WAFER PRIM SQUARE/3 WL is a trimless, square, LED wallwasher** with an overall depth of 4" (housing depth of 3" plus a 1" throat).
- **Luminaire is exclusively designed for installation in sheet rock** to achieve a flush trim detail. Installation includes the application of drywall compound over the luminaire's integral spackle screen to the rim of its integral plaster ring.
- **External reflectors** are available in two clear natural aluminum finishes – slightly diffuse (V) or fully diffuse (EC) – as well as black and white.
- **Housing is constructed from 20-gauge electro-zinc, polyester-coated steel** in Edison Price Lighting's American factory. Heavy-gauge metals and American manufacturing guarantee long-lasting durability.
- **Optional housing design for residential installation** in wood joist ceilings (- RI).
- **WAFER PRIM SQUARE/3 WL includes a pair of mounting bars** (3/4" x 27" C channel). Specialty bars for wood and T-bar installations are also available.
- **For more information, [click here](#).**

APPLICATIONS

Luminaire is listed as an inherently protected luminaire for Damp Location. Luminaire is RoHS compliant, is suitable for use in a fire rated ceiling. Removal of the external reflector allows access to the LED module and junction box.

For **Overlap Trim**, see [Wafer Square/3WL](#)
 For **IC-rated** model, see [Epic Wafer Prim Square/3WL](#)

PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

Basic Unitstandard installation design..... WP3-CLT-WL

Light Source Output (Lumens)

| | | |
|-----------------------------|---------------------------|--------|
| 800 lumens / CRI 90+ | 4000K not available | - L08H |
| 1000 lumens | 4000K not available | - L10H |
| 1200 lumens | 4000K not available | - L12H |
| 1000 lumens / CRI 80+ | | - L10S |
| 1200 lumens..... | | - L12S |
| 1500 lumens..... | | - L15S |

Driver

| | |
|---|----------|
| dimmable to 1% by a 0-10V dimmer on 120 Or 277-volt service..... | - DMV |
| dimmable to 5% by either an incandescent or electronic low voltage dimmer only; 120-volt service only | - DMP |
| dimmable to 1% by a 2-wire Lutron compatible dimmer | - DMI-LU |
| dimmable to 1% SoftOn/FadeToBlack by a Lutron EcoSystem control ... | - ECO-LU |
| eldoLED 0-10V (Logarithmic) driver dimmable to 0.1% with a 0-10V dimmer | - DVOELG |
| eldoLED 0-10V (Linear) driver dimmable to 0.1% with a 0-10V dimmer | - DVOELN |
| eldoLED driver dimmable to 0.1% with DALI control system | - DA0-EL |
| dimmable to 0.1% by a Zigbee wireless network (Daintree, Encelium or Wink); wireless range 50' through standard walls; available with L12H or L15S models only | - ZG0MAG |

Light Color

| | |
|-------------|-------|
| 2700 K..... | - 27K |
| 3000 K..... | - 30K |
| 3500 K..... | - 35K |
| 4000 K..... | - 40K |

External Reflector Color and Trim

| | |
|------------------------------|------|
| Slightly diffuse Clear | VTL |
| Fully diffuse Clear | ECTL |
| Black..... | BTL |
| White..... | WTL |

OPTIONS *Specify by adding to the basic unit.*

Housing designed for residential installation (see next page) including a pair of mounting bars (extendable to 20") for use between wood joists. - RI

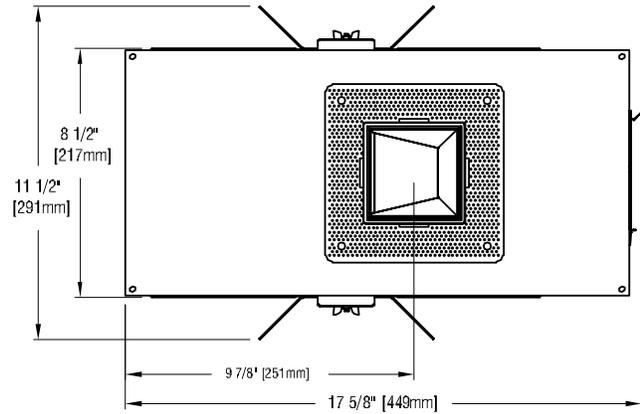
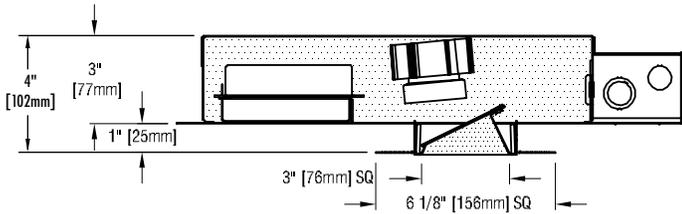
Milwork trim detail consists of an aperture collar (see below) and an external reflector (see above).

| | |
|--------------------------------------|-------|
| milled aluminum aperture collar..... | - M |
| white aperture collar | - MWH |
| black aperture collar..... | - MBL |
| custom color aperture collar..... | - MCC |

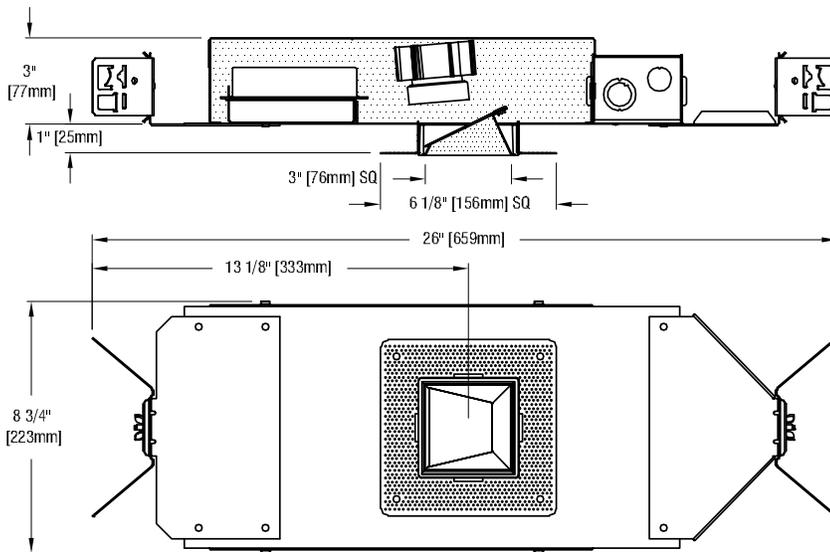


STANDARD INSTALLATION DESIGN

Requires ceiling opening of 4" (102mm) square in a drywall ceiling.
Requires ceiling opening of 3.4" (87mm) square in a (metal or wood) millwork ceiling.



RESIDENTIAL INSTALLATION DESIGN (-RI)



– see below for photometric reports –



PHOTOMETRIC REPORT (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12305658.01A. Original test report furnished upon request.

Luminaire recessed LED square lensed wallwasher with internal lens and semi-specular clear aluminum reflector
 Light Source Cree CXB1310 LED with spread integral lens, 2700K CCT, 90 CRI, 1000 lumens
 Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report LED manufacturer furnished upon request

WALLWASH INFORMATION | 1000 LUMENS LED

| Distance From Ceiling (Feet) | 3' From Wall; 3' O.C. | | 3' 6" From Wall; 3' 6" O.C. | |
|------------------------------|-----------------------|------------------|-----------------------------|------------------|
| | Below Fixture | Between Fixtures | Below Fixture | Between Fixtures |
| 1 | 1 | 1 | 1 | 1 |
| 2 | 9 | 9 | 4 | 5 |
| 3 | 15 | 14 | 10 | 10 |
| 4 | 14 | 14 | 11 | 11 |
| 5 | 12 | 11 | 10 | 10 |
| 6 | 9 | 9 | 8 | 8 |
| 7 | 7 | 7 | 7 | 7 |
| 8 | 6 | 6 | 5 | 5 |
| 9 | 4 | 4 | 4 | 4 |
| 10 | 4 | 4 | 4 | 4 |

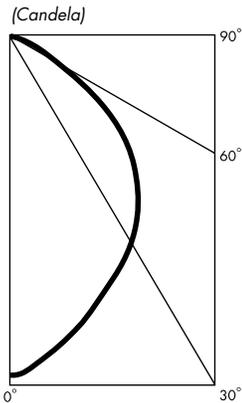
All vertical footcandles are initial values with no contribution from ceiling or floor reflectances. Computation performed with a total of ten wallwashers.

WALLWASH INFORMATION | 1500 LUMENS LED

| Distance From Ceiling (Feet) | 3' From Wall; 3' O.C. | | 3' 6" From Wall; 3' 6" O.C. | |
|------------------------------|-----------------------|------------------|-----------------------------|------------------|
| | Below Fixture | Between Fixtures | Below Fixture | Between Fixtures |
| 1 | 2 | 2 | 1 | 1 |
| 2 | 14 | 14 | 7 | 7 |
| 3 | 22 | 22 | 15 | 15 |
| 4 | 22 | 21 | 17 | 16 |
| 5 | 18 | 18 | 16 | 15 |
| 6 | 14 | 14 | 13 | 13 |
| 7 | 11 | 11 | 10 | 10 |
| 8 | 9 | 9 | 8 | 8 |
| 9 | 7 | 7 | 7 | 7 |
| 10 | 5 | 5 | 5 | 6 |

All vertical footcandles are initial values with no contribution from ceiling or floor reflectances. Computation performed with a total of six wallwashers.

CANDLEPOWER DISTRIBUTION



LUMINAIRE LIGHT OUTPUT AND EFFICACY

| | Luminaire Light Output | Luminaire Efficacy (lms/watt) | System Wattage |
|--------------------|------------------------|-------------------------------|----------------|
| LED Light Engine | | | |
| 800 Lumens 90 CRI | 428* | 48* | 9 |
| 1000 Lumens 90 CRI | 509 | 48 | 10 |
| 1200 Lumens 90 CRI | 626* | 48* | 13 |
| 1000 Lumens 80 CRI | 529* | 59* | 9 |
| 1200 Lumens 80 CRI | 631* | 63* | 10 |
| 1500 Lumens 80 CRI | 779* | 60* | 13 |

*estimated values

REFLECTOR COLOR MULTIPLIERS

| | |
|----------------------------|-----|
| Slightly diffuse clear (V) | 1 |
| Fully diffuse clear (EC) | .90 |
| Specular white (W) | .70 |
| Black (B) | .40 |

STANDARD DMV DRIVER INFORMATION (UL Class 2, dry and damp location)

| | 120 | 277 |
|---|-------------------|-------------------|
| Voltage | 120 | 277 |
| Input Watts (L08H/L10H/L12H/L10S/L12S/L15S) | 9/10/13/9/10/13 | 9/10/13/9/10/13 |
| Input Current (A) (L08H/L10H/L12H/L10S/L12S/L15S) | 08/08/11/08/08/11 | 04/04/06/04/04/06 |
| Output Current (mA) | 220-350 | 220-350 |
| Min. Power Factor | .99 | .99 |
| Operating Temperature Range (F) | -13 to 122 | -13 to 122 |

LIGHT OUTPUT MULTIPLIER

| LED Light Engine | Light Output Multiplier |
|--------------------|-------------------------|
| 800 Lumens 90 CRI | 0.84* |
| 1000 Lumens 90 CRI | 1 |
| 1200 Lumens 90 CRI | 1.23* |
| 1000 Lumens 80 CRI | 1.04* |
| 1200 Lumens 80 CRI | 1.24* |
| 1500 Lumens 80 CRI | 1.53* |

*estimated values