

Project

Type



MADE IN USA

[Click Here](#)

Date

Product Code

Designer

EPIC WAFER SQUARE/3 WL

recessed shallow IC LED wallwasher

FULLY SUSTAINABLE – FULLY SUSTAINABLE – FULLY SUSTAINABLE – FULLY SUSTAINABLE – FULLY SUSTAINABLE – FULLY SUSTAINABLE – FULLY SUSTAINABLE



FEATURES

- **EPIC WAFER SQUARE/3 WL is a 3" aperture LED wallwasher** designed for insulation contact (IC) and certified airtight under ASTM E183. **Recess depth is only 4"** (housing depth of 3" plus a 1" throat).
- **Luminaire is powered by Cree chip-on-board LED's** providing CRI's of 80+ and 90+. See tables below for wattages and efficacies.
- **The optical assembly consists of an internal lens and a diffuser** capping the external reflector.
- **External reflectors are available in four colors:** a slightly diffuse clear natural aluminum (-VOL), champagne gold (-GOL), white (-WOL) or black (-BOL). Other finishes are available on special order.
- **Luminaire includes a pair of residential mounting bars** extendable to 20" and designed for use in wood joists.
- **For more information, [click here](#).**

APPLICATIONS

Luminaire is listed for direct contact with insulation, certified airtight under ASTM E283, and suitable for damp location. Luminaire is suitable for use in a fire rated ceiling. Removal of the external reflector allows access to the LED module, driver and junction box.

PRODUCT CODE

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

Basic Unit WS3IC-CLT-WL

Light Source Output (Lumens)

800 lumens / CRI 90+ 2700K & 3000K only.....	- L08H
1000 lumens 2700K & 3000K only.....	- L10H
1000 lumens / CRI 80+	- L10S
1200 lumens	- L12S

Driver

dimable to 1% by a 0-10V dimmer on 120 Or 277-volt service.....	- DMV
dimable to 5% by either an incandescent or electronic low voltage dimmer only; 120-volt service only	- DMP
dimable to 1% by a 2-wire Lutron compatible dimmer	- DMILU
dimable 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	- DV0ELG
eldoLED 0-10V (Linear) driver dimmable to 0.1% with a 0-10V dimmer	- DV0ELN
eldoLED driver dimmable to 0.1% with DALI control system	- DA0-EL

Light Color

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

External Reflector Color and Trim

	Overlap
Slightly diffuse Clear	-VOL
Champagne Gold	-GOL
White	-WOL
Black	-BOL

Standard reflector flange continues reflector finish. White painted flanges and custom painted flanges are available on special order. Add WF (white flange) or CCF (custom color flange).

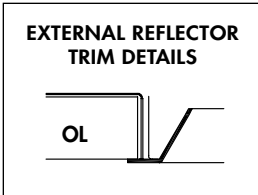
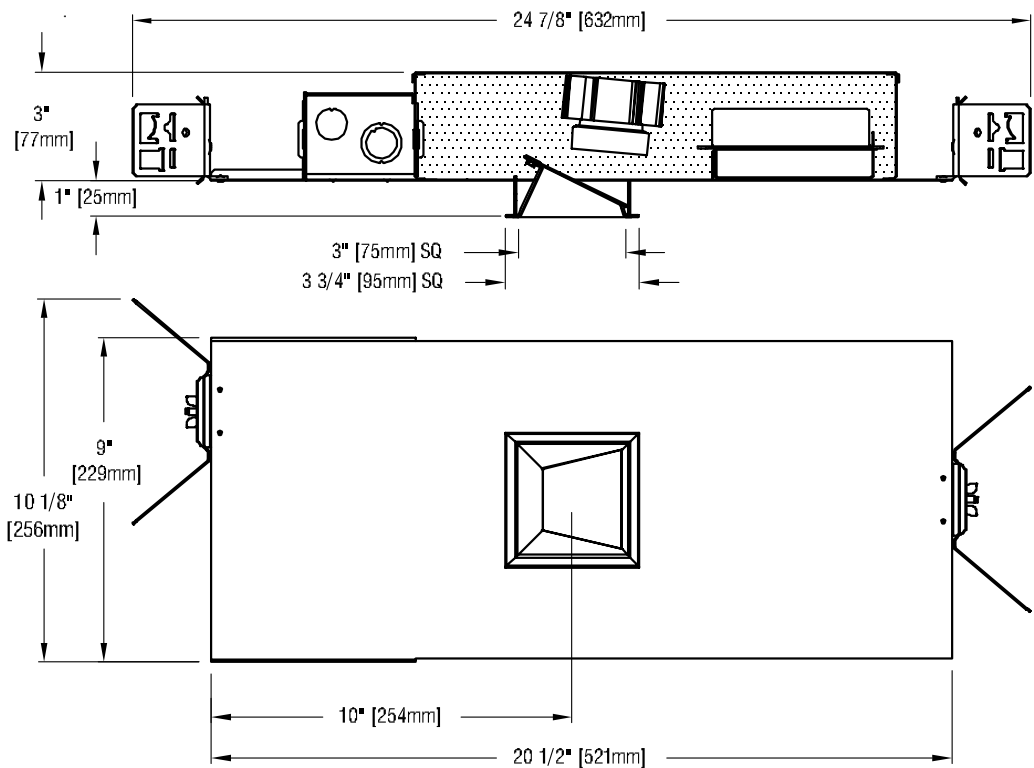
OPTIONS *Specify by adding to the basic unit.*

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

Remote emergency battery pack including two components – battery pack and plate with test switch and light – to be mounted adjacent to luminaire; for use in accessible ceilings; *not available with residential housing (-RI)*..... - RX



Requires ceiling opening of 3 5/16" (84mm) square.



– 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.

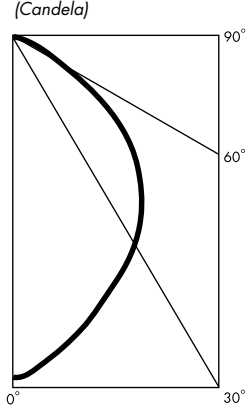
Luminaire recessed LED square lensed wallwasher with internal lens and semi-specular clear aluminum reflector
 Light Source Cree CXB1310 LED with spread integral lens, 2700K CCT, 90 CRI, 1000 lumens
 Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report LED manufacturer furnished upon request

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.

CANDLEPOWER DISTRIBUTION (Candela)



LUMINAIRE LIGHT OUTPUT AND EFFICACY

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

*estimated values

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

Voltage	120	277
Input Watts (L08H/L10H/L10S/L12S)	9/10/9/10	9/10/9/10
Input Current (A) (L08H/L10H/L10S/L12S)	08/08/08/08	04/04/04/04
Output Current (mA)	220-270	220-270
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
1000 Lumens 80 CRI	1.04*
1200 Lumens 80 CRI	1.24*

*estimated values

REFLECTOR COLOR MULTIPLIERS

Slightly diffuse clear (V)	1
Champagne Gold (G)	1
Specular white (W)	.70
Black (B)	.40