

Project

Type



MADE IN USA

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Date

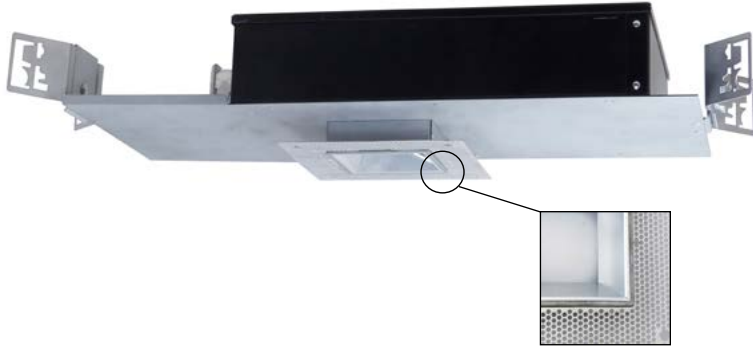
Product Code

Designer

# CHP WAFER PRIM SQUARE/3 WL

recessed shallow trimless Chicago Plenum LED wallwasher

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



## FEATURES

- **CHP WAFER PRIM SQUARE/3 WL is a 3" aperture LED wallwasher** designed for use in a Chicago Plenum ceiling. **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.
- **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.
- **Fixture 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 and is additionally listed for City of Chicago Environmental Air (CCEA). Luminaire is RoHS compliant and 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** ..... WP3CHP-CLT-WL

### Light Source Output (Lumens)

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

### Light Color

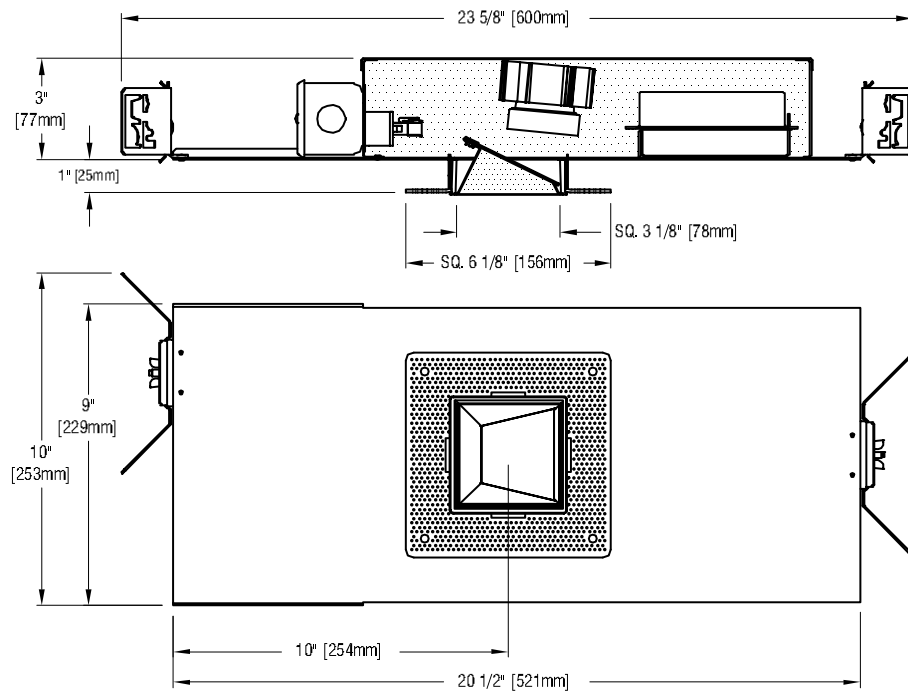
2700 K.....	- 27K
3000 K.....	- 30K
3500 K.....	- 35K
4000 K.....	- 40K

### External Reflector Color and Trim

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



Requires ceiling opening of 4" (102mm) square in a drywall ceiling.



– 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

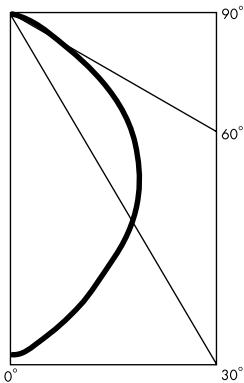
All vertical footcandles are initial values with no contribution from ceiling or floor reflectances. Computation performed with a total of ten wallwashers.

### 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 (Candela)



### 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