

# CHP WAFER/2 AA

recessed shallow Chicago Plenum LED accent light



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



slot aperture shown

## FEATURES

- **CHP WAFER/2 AA is a 2" aperture** LED accent light. Overall depth is 4 1/8" (housing depth of 3 1/8" plus a 1" throat).
- **Luminaire** is detailed for use in a 'Chicago Plenum' ceiling.
- **Luminaire provides 365° rotation and 0°-30° angular adjustment.** Once focused, adjustment may be locked by a lever and a thumb nut.
- **Luminaire employs an internal spring-loaded lens** to produce an initial beam-spread of either 12°, 20° or 36°. To allow beam-spread to be changed in installed luminaires, internal lenses are available as accessories.
- **Luminaire is powered by one of a number of Cree Chip on board LED's.** See below for wattages and efficacies.
- Luminaire is available with **four kinds of LightPlate trim**:
  - with a **slot aperture and no lens (- AL)**
  - with a slot aperture and **prismatic lens (- AL-PRS)**
  - with a **round aperture and no lens (- AP)**
  - with a round aperture and **prismatic lens (- AP-PRS)**
- **LightPlate trim with white finish** standard. Custom color finish available on special order.
- **CHP WAFER/2 AA 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, is suitable for use in a fire rated ceiling. Removal of the external reflector allows access to the LED module and junction box.



round aperture shown

## PRODUCT CODE

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

**Basic Unit** ..... W2CHP-CLT-AA

**Internal Lens** *Choose one.*

12° initial beamspread ..... - 12D  
 20° initial beamspread ..... - 20D  
 36° initial beamspread ..... - 36D

**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 Lutron (2-wire) incandescent dimmer ..... - DMI-LU  
 dimmable to 1% 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

LightPlate	Overlap (OL)	Trim Flush (TF)*
slot aperture, no lens	AL-OL	AL-TF
slot aperture with prismatic lens	AL-PRS-OL	AL-PRS-TF
round aperture, no lens	AP-OL	AP-TF
round aperture with prismatic lens	AP-PRS-OL	AP-PRS-TF

Standard LightPlate white finish. Add - CC for custom color.

\*Trim Flush LightPlate requires the use of a **plaster ring** Accessory (see below).

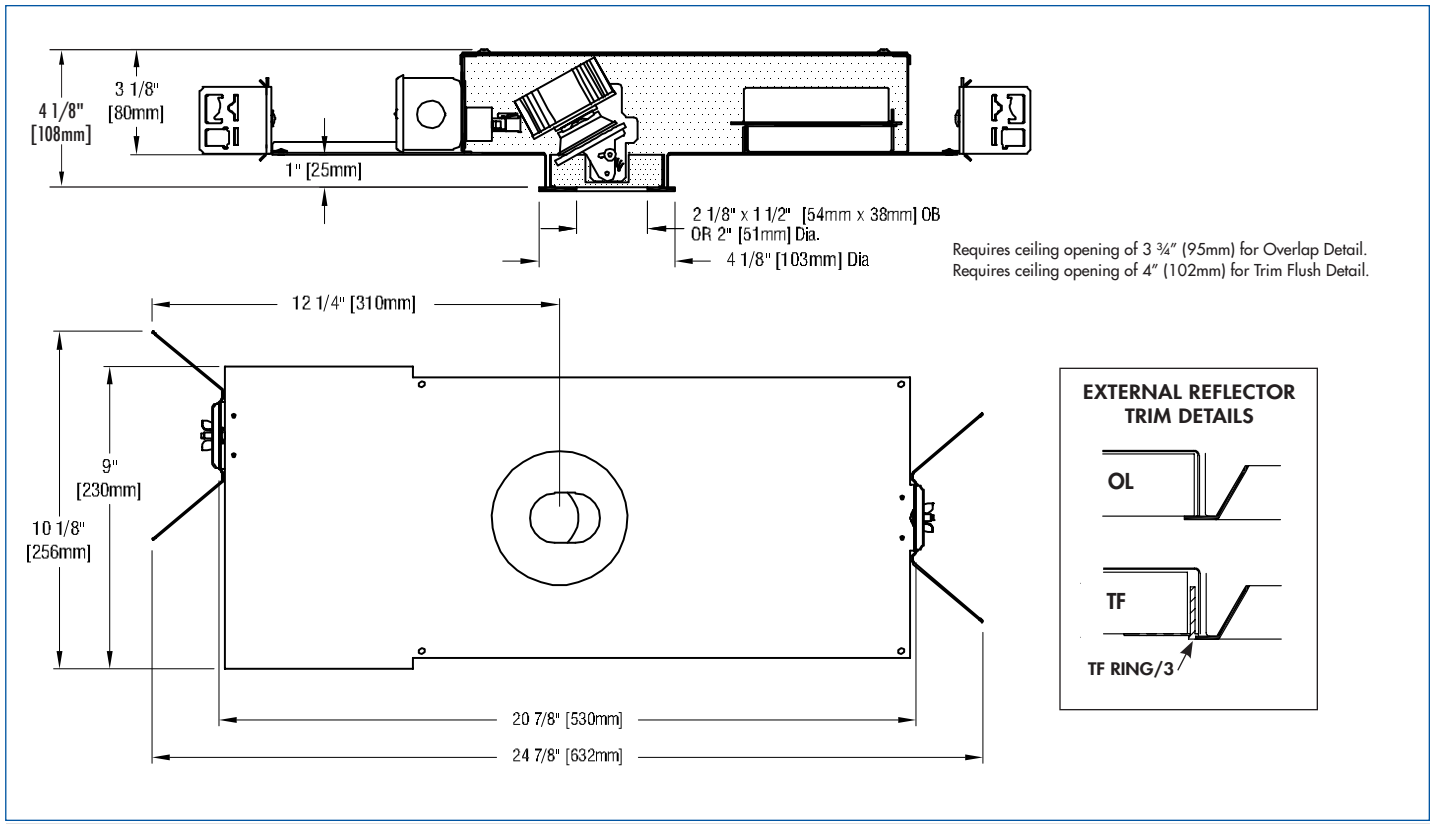
## EXTRA INTERNAL LENSES *Specify as separate line items.*

12° internal lens ..... CLT-LENS12-50  
 20° internal lens ..... CLT-LENS20-50  
 36° internal lens ..... CLT-LENS36-50

## ACCESSORIES *Specify as a separate line item.*

**Plaster ring** allows use of 3 3/4" OD Trim Flush (-TF) reflector in sheetrock ceiling; 4" dia hole required ..... TF RING/3





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

Voltage	120	277
Input Watts <i>(L08H/L10H/L12H/L10S/L12S/L15S)</i>	9/10/13/9/10/13	9/10/13/9/10/13
Input Current (A) <i>(L08H/L10H/L12H/L10S/L12S/L15S)</i>	08/08/11/08/08/11	04/04/06/04/04/06
Output Current (mA)	350-700	350-700
Min. Power Factor	.99	.99
Operating Temperature Range (F)	-13 to 122	-13 to 122

### LIGHT OUTPUT MULTIPLIER

LED Light Engine	Light Output Multiplier	RX Light Output Multiplier
800 Lumens 90 CRI	0.84*	.55
1000 Lumens 90 CRI	1	.55
1200 Lumens 90 CRI	1.23*	.55
1000 Lumens 80 CRI	1.04*	.67
1200 Lumens 80 CRI	1.24*	.67
1500 Lumens 80 CRI	1.53*	.67

\*estimated values

### REFLECTOR COLOR MULTIPLIERS

Slightly diffuse clear (V)	1
Fully diffuse clear (EC)	.90
Champagne gold clear (G)	1
Specular white (W)	.70
Black (B)	.40

– photometrics continued below –

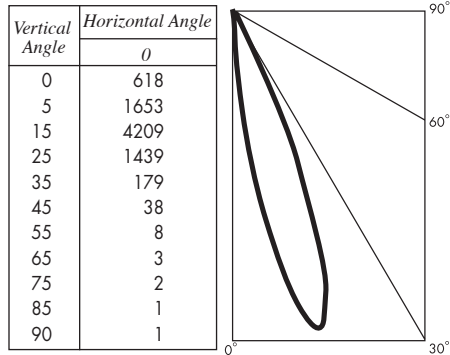


## PHOTOMETRIC REPORT with 12° lens (tested per IESNA LM-79-2008)

Verification Services Report No. 11863545.01. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with slot aperture plate trim and prismatic lens, LED aimed at 15° above vertical.+  
 Light Source ..... Cree CXB1310 LED with 12° beam spread integral lens, 2700K CCT, 90 CRI, 1000 lumens

### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage	RX Light Output (90 min. run)
800 Lumens 90 CRI	404*	3536*	45*	9	264*
1000 Lumens 90 CRI	481	4209	47	10	264*
1200 Lumens 90 CRI	591*	5177*	45*	13	264*
1000 Lumens 80 CRI	500*	4377*	56*	9	322*
1200 Lumens 80 CRI	596*	5219*	60*	10	322*
1500 Lumens 80 CRI	735*	6440*	57*	13	322*

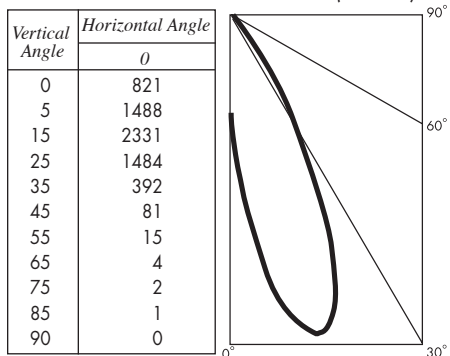
\*estimated values

## PHOTOMETRIC REPORT with 20° lens (tested per IESNA LM-79-2008)

Verification Services Report No. 11863545.02. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with slot aperture plate trim and prismatic lens, LED aimed at 15° above vertical.+  
 Light Source ..... Cree CXB1310 LED with 20° beam spread integral lens, 2700K CCT, 90 CRI, 1000 lumens

### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage	RX Light Output (90 min. run)
800 Lumens 90 CRI	430*	1958*	48*	9	281*
1000 Lumens 90 CRI	512	2331	50	10	281*
1200 Lumens 90 CRI	629*	2867*	48*	13	281*
1000 Lumens 80 CRI	532*	2424*	59*	9	343*
1200 Lumens 80 CRI	634*	2890*	63*	10	343*
1500 Lumens 80 CRI	783*	3566*	60*	13	343*

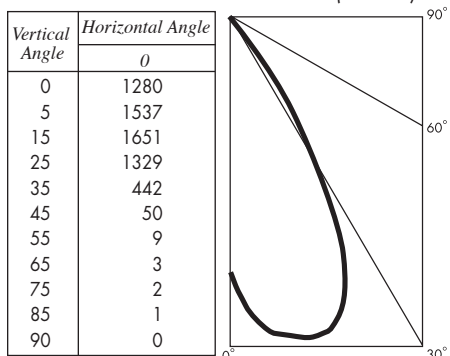
\*estimated values

## PHOTOMETRIC REPORT with 36° lens (tested per IESNA LM-79-2008)

Verification Services Report No. 11863545.03. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with slot aperture plate trim and prismatic lens, LED aimed at 15° above vertical.+  
 Light Source ..... Cree CXB1310 LED with 36° beam spread integral lens, 2700K CCT, 90 CRI, 1000 lumens

### CANDLEPOWER DISTRIBUTION (Candela)



### LUMINAIRE LIGHT OUTPUT AND EFFICACY

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage	RX Light Output (90 min. run)
800 Lumens 90 CRI	476*	1387*	53*	9	312*
1000 Lumens 90 CRI	567	1651	55	10	312*
1200 Lumens 90 CRI	697*	2031*	54*	13	312*
1000 Lumens 80 CRI	590*	1717*	66*	9	380*
1200 Lumens 80 CRI	703*	2047*	70*	10	380*
1500 Lumens 80 CRI	867*	2526*	67*	13	380*

\*estimated values