

Project

Type



MADE IN USA

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Date

Product Code

Designer

# EPIC WAFER/4 AA ES

recessed shallow IC LED accent light

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



## FEATURES

- **EPIC WAFER/4 AA ES is a 4" aperture, enhanced shielding, LED accent light (ES)** designed for insulation contact (IC) and certified airtight under ASTM E283. **Recess depth is only 4 5/8"**.
- **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.
- **External reflectors, cut at 15°, are available in three clear natural aluminum colors** – semi-specular (C), slightly diffuse (V) or fully diffuse (EC) – as well as champagne gold, black Alzak® and specular white enamel. Other finishes are available on special order.
- **EPIC WAFER/4 AA ES 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 prewired, suitable for use in a fire rated ceiling, and approved for #12 wire 75° C branch circuit wiring. Removal of the external reflector allows access to the LED module and junction box.

For a version of this luminaire designed to provide less shielding of the light source and greater efficiency, see [EPIC WAFER/4 AA EE](#).

## PRODUCT CODE

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

Basic Unit ..... W41C-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 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 ..... - DAO-EL  
 Moons' driver dimmable to 0.1% by DMX controllers ..... - DX0-MN

**Light Color**

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

External Reflector Color and Trim	Overlap	Trim Flush*
Semi-specular Clear .....	ES-COL .....	ES-CTF
Slightly diffuse Clear .....	ES-VOL.....	ES-VTF
Fully diffuse Clear .....	ES-ECOL.....	ES-ECTF
Champagne Gold.....	ES-GOL.....	ES-GTF
Black.....	ES-BOL.....	ES-BTF
White.....	ES-WOL.....	ES-WTF

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

## OPTIONS

*Specify by adding to the basic unit.*

0° cut **downdlight reflector** ..... - 0

## EXTRA INTERNAL LENSES

*Specify as separate line items.*

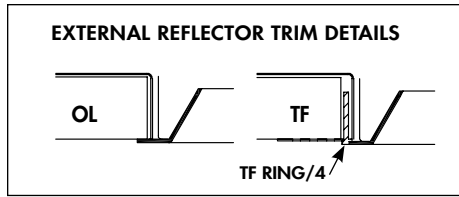
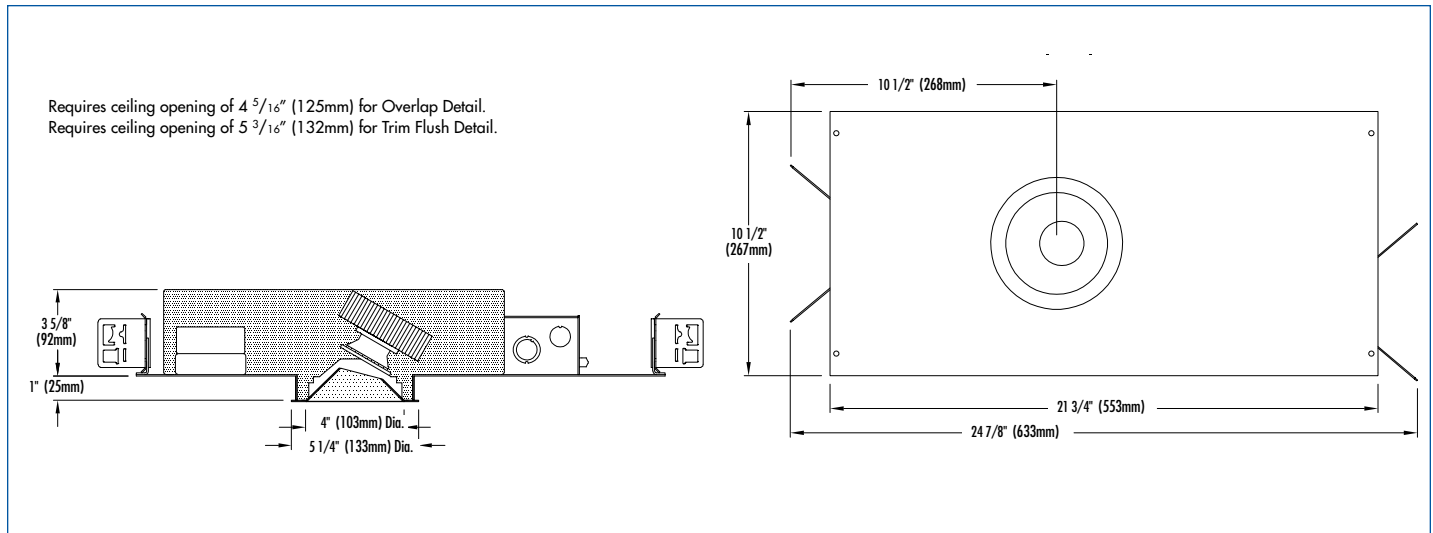
12° internal lens ..... CLT-LENS12-50  
 20° internal lens ..... CLT-LENS20-50  
 36° internal lens ..... CLT-LENS36-50

## ACCESSORIES

*Specify as a separate line item.*

**Plaster ring** allows use of 4 7/8" OD Trim Flush (-TF) reflector in sheetrock ceiling; 5 3/16" dia hole required..... TF RING/4





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

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	03/04/05/03/04/05
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
800 Lumens 90 CRI	0.65*
1000 Lumens 90 CRI	0.78*
1200 Lumens 90 CRI	1
1000 Lumens 80 CRI	0.81*
1200 Lumens 80 CRI	0.96*
1500 Lumens 80 CRI	1.20*

\*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 –

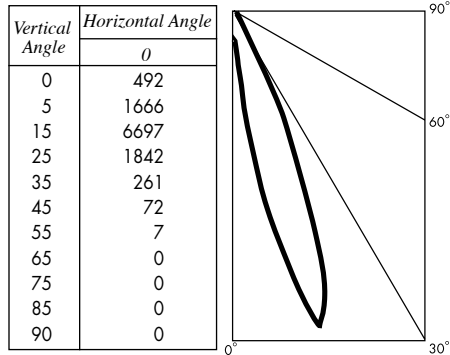


## PHOTOMETRIC REPORT with 12° lens (tested per IESNA LM-79-2008)

Verification Services Report No. 11827425.02. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with semi-specular clear aluminum external reflector, LED aimed at 15° above vertical.  
 Light Source ..... Cree CXB1310 LED with 12° beam spread integral lens, 2700K CCT, 90 CRI, 1200 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	413*	4353*	46*	9	267*
1000 Lumens 90 CRI	496*	5224*	50*	10	267*
1200 Lumens 90 CRI	636	6697	49	13	267*
1000 Lumens 80 CRI	515*	5425*	57*	9	324*
1200 Lumens 80 CRI	611*	6429*	61*	10	324*
1500 Lumens 80 CRI	763*	8036*	59*	13	324*

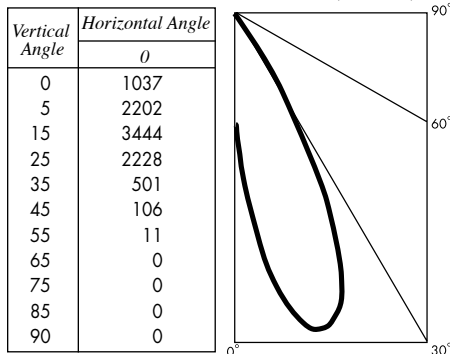
\*estimated values

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

Verification Services Report No. 11827425.04. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with semi-specular clear aluminum external reflector, LED aimed at 15° above vertical.  
 Light Source ..... Cree CXB1310 LED with 20° beam spread integral lens, 2700K CCT, 90 CRI, 1200 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	471*	2239*	52*	9	304*
1000 Lumens 90 CRI	565*	2686*	56*	10	304*
1200 Lumens 90 CRI	724	3444	56	13	304*
1000 Lumens 80 CRI	586*	2790*	65*	9	369*
1200 Lumens 80 CRI	695*	3306*	69*	10	369*
1500 Lumens 80 CRI	869*	4133*	67*	13	369*

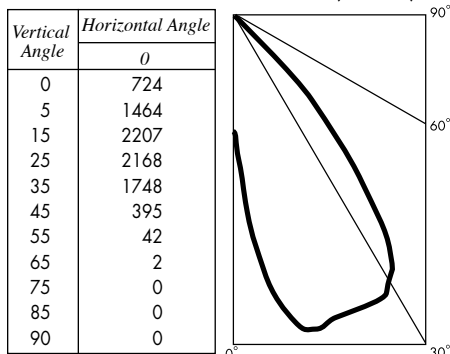
\*estimated values

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

Verification Services Report No. 11827425.06. Original test report furnished upon request.

Luminaire ..... recessed LED round accent light with semi-specular clear aluminum external reflector, LED aimed at 15° above vertical.  
 Light Source ..... Cree CXB1310 LED with 36° beam spread integral lens, 2700K CCT, 90 CRI, 1200 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	541*	1435*	60*	9	349*
1000 Lumens 90 CRI	649*	1721*	65*	10	349*
1200 Lumens 90 CRI	832	2207	64	13	349*
1000 Lumens 80 CRI	674*	1788*	75*	9	424*
1200 Lumens 80 CRI	798*	2119*	80*	10	424*
1500 Lumens 80 CRI	998*	2648*	77*	13	424*

\*estimated values