

Project

Type



Date

Product Code

Designer

EPIC WAFER SQUARE/3 AA

recessed shallow IC LED accent light

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




FEATURES

- **EPIC WAFER SQUARE/3 AA is a 3" aperture LED accent light** designed for insulation contact (IC) and certified airtight under ASTM E183. **Recess depth is only 4 3/4"** (housing depth of 3 3/4" 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 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 'twist and lock' lens** to produce an initial beam-spread of either 12°, 20° or 36°. To allow beamspread to be changed in installed luminaires, internal lenses are available as accessories.
- **Luminaire may be ordered with its external reflector capped** with a clear glass (-GLS) for maximum efficacy or a prismatic lens (-PRS) to widen beam distribution.
- **Luminaire accepts one of a number of Optical Accessories** including lenses and color filters.
- **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.



ENERGY STAR
Energy Star qualified under Luminaires Specification V2.0. See Energy Star website for model numbers included in listing. The following options are not qualified: L08H, 12D and 20D. On orders which require Energy Star labelling, add "-ESL" to the specified Product Code.

PRODUCT CODE

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

Basic Unit WS3IC-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
 1000 lumens / CRI 80+ - L10S
 1200 lumens - L12S

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 - DM1U
 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 - 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 & Trim	GLS Clear Glass	PRS Prismatic Lens
Slightly diffuse clear	GLS-VOL	PRS-VOL
Champagne Gold	GLS-GOL	PRS-GOL
White	GLS-WOL	PRS-WOL
Black	GLS-BOL	PRS-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.

Energy Star labelling available on some models; see the Energy Star info 'box' on this page - ESL

EXTRA INTERNAL LENSES Specify as separate line items.

12° internal lens CIT-LENS12-50
 20° internal lens CIT-LENS20-50
 36° internal lens CIT-LENS36-50

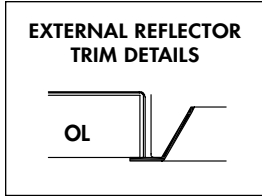
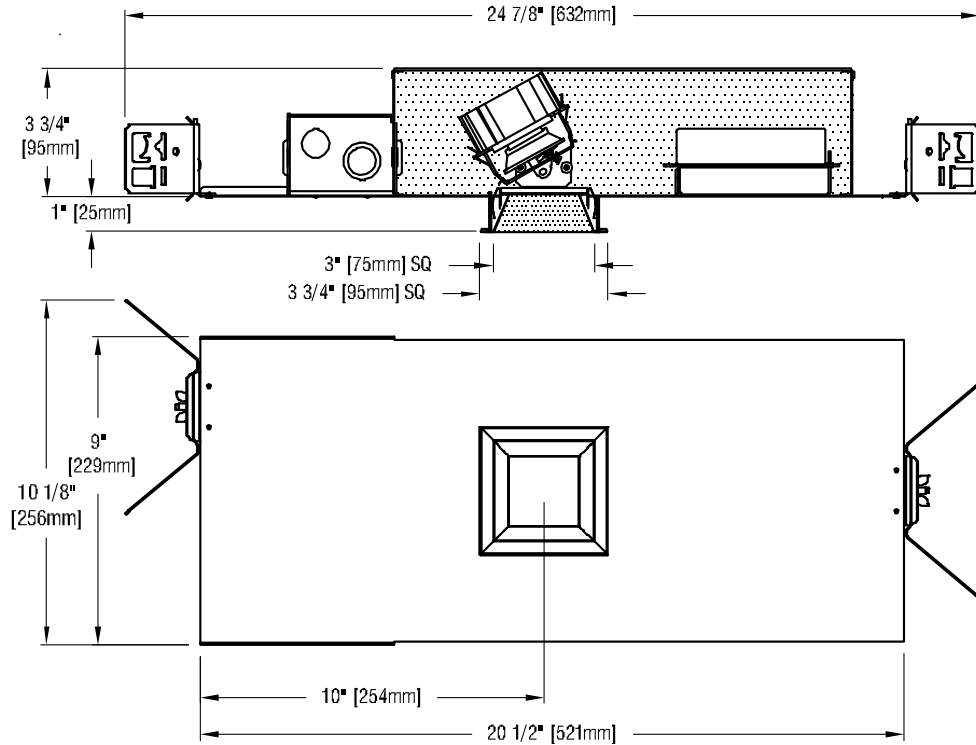
OPTICAL ACCESSORIES Specify as separate line

All are 2 3/4" (70mm) diameter. Lenses and filters are glass; screens are aluminum.

diffuse glass DGS/2.375
prismatic lens (Solite) PLS/2.375
55° spread lens LENS/2.375
40° x 70° spread lens LENS/2.375-4070
beam smoother CLR/2.375
33% light reduction screen SCR33/2.375
50% light reduction screen SCR50/2.375
color filters
 surprise pink PNK/2.375
 daylight blue DAY/2.375
 amber AMB/2.375
 blue BLU/2.375
 green GRN/2.375
 red RED/2.375



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



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

— photometrics continued below —

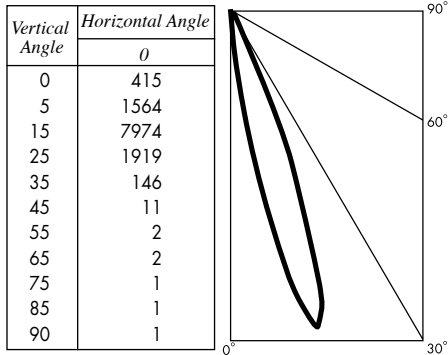


PHOTOMETRIC REPORT with 12° internal lens and clear glass (GLS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.01. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector and clear glass, 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
800 Lumens 90 CRI	489*	6698*	55*	9
1000 Lumens 90 CRI	582	7974	55	10
1000 Lumens 80 CRI	605*	8293*	67*	9
1200 Lumens 80 CRI	722*	9888*	72*	10

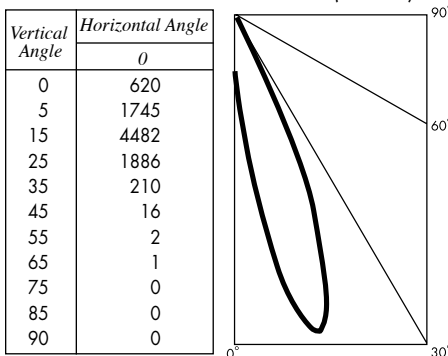
*estimated values

PHOTOMETRIC REPORT with 12° internal lens and prismatic lens (PRS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.02. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector 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
800 Lumens 90 CRI	474*	3765*	53*	9
1000 Lumens 90 CRI	564	4482	54	10
1000 Lumens 80 CRI	587*	4661*	65*	9
1200 Lumens 80 CRI	699*	5558*	70*	10

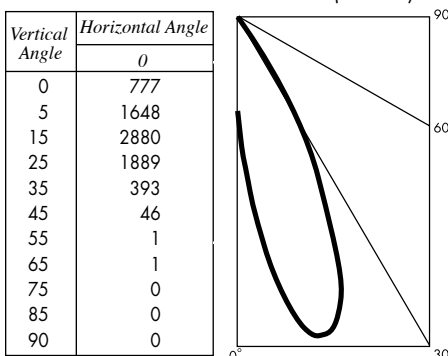
*estimated values

PHOTOMETRIC REPORT with 20° internal lens and clear glass (GLS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.03. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector and clear glass, 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
800 Lumens 90 CRI	491*	2419*	55*	9
1000 Lumens 90 CRI	584	2880	56	10
1000 Lumens 80 CRI	607*	2995*	67*	9
1200 Lumens 80 CRI	724*	3571*	72*	10

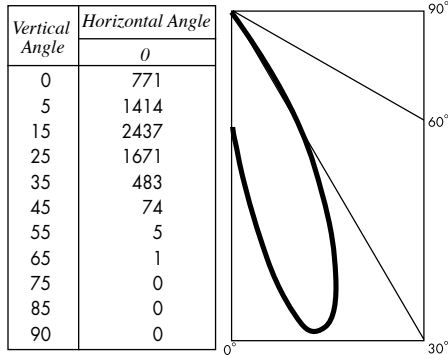
*estimated values

PHOTOMETRIC REPORT with 20° internal lens and prismatic lens (PRS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.04. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector 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
800 Lumens 90 CRI	486*	2047*	54*	9
1000 Lumens 90 CRI	579	2437	55	10
1000 Lumens 80 CRI	602*	2534*	67*	9
1200 Lumens 80 CRI	718*	3022*	72*	10

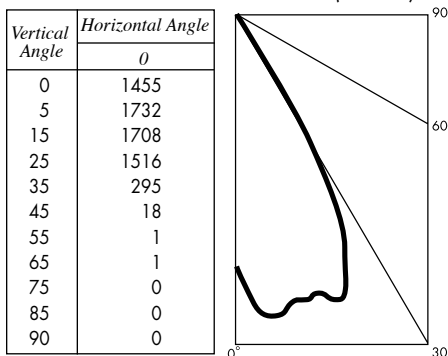
*estimated values

PHOTOMETRIC REPORT with 36° internal lens and clear glass (GLS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.05. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector and clear glass, 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
800 Lumens 90 CRI	542*	1511*	60*	9
1000 Lumens 90 CRI	645	1799	62	10
1000 Lumens 80 CRI	671*	1871*	75*	9
1200 Lumens 80 CRI	800*	2231*	80*	10

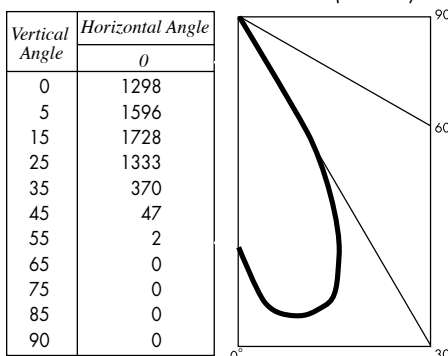
*estimated values

PHOTOMETRIC REPORT with 36° internal lens and prismatic lens (PRS) (tested per IESNA LM-79-2008)

Prorated from Verification Services Report No. 12269958.06. Original test report furnished upon request.

Luminaire recessed LED square accent light with semi-specular clear aluminum reflector 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
800 Lumens 90 CRI	538*	1457*	60*	9
1000 Lumens 90 CRI	640	1735	61	10
1000 Lumens 80 CRI	666*	1804*	74*	9
1200 Lumens 80 CRI	794*	2151*	79*	10

*estimated values