MADE IN **USA**
Click Here

WAFER/3 WL
recessed shallow LED wallwasher

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

PRODUCT CODE

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

Basic Unit ....*standard installation design*.........W3-CLT-WL

Light Source Output (Lumens)

800 lumens / CRI 90+ .... *4000K not available* .... - L08H
1000 lumens .... *4000K not available* .... -L10H
1200 lumens .... *4000K not available* .... -L12H
1000 lumens / CRI 80+.................................... - L10S
1200 lumens... - L12S
1500 lumens... - L15S

Driver

dimmable to 1% by a 0-10V dimmer on 120 0r 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 ....- 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

dimmable to 0.1% by a Zigbee wireless network (Daintree,
Encelium or Wink); wireless range 50' through standard walls;
available with **L12H** *or* **L15S** *models only* ....- ZG0MAG

Light Color

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

FEATURES

- **WAFER/3 WL is a 3" aperture LED wallwasher** with an overall depth of 3 ½" (housing depth of 2 ½" plus a 1" throat).

- **The optical assembly consists of an internal reflector** and 40˚ x 70˚ glass spread lens.

- **Luminaire is powered by one of a number of Cree Chip on board LED's**. See below for wattages and efficacies.

- **External [reflectors](#) 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.

- **Optional housing design for residential installation** in wood joist ceilings (- RI).

- **WAFER/3 WL 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. 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.

For Trimless Square aperture, see **WAFER PRIM SQUARE/3 WL**.
For Overlap Square aperture, see **WAFER SQUARE/3 WL**
For IC-rated, see **EPIC WAFER/3 WL**
For Chicago Plenum, see **CHP WAFER/3 WL**

External Reflector Color and Trim

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

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

Millwork trim detail consists of an aperture collar (see below) and a Trim Flush (TF) external reflector (see above).

milled aluminum aperture collar ....- M
white aperture collar... - MWH
black aperture collar.. - MBL
custom color aperture collar...- MCC

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
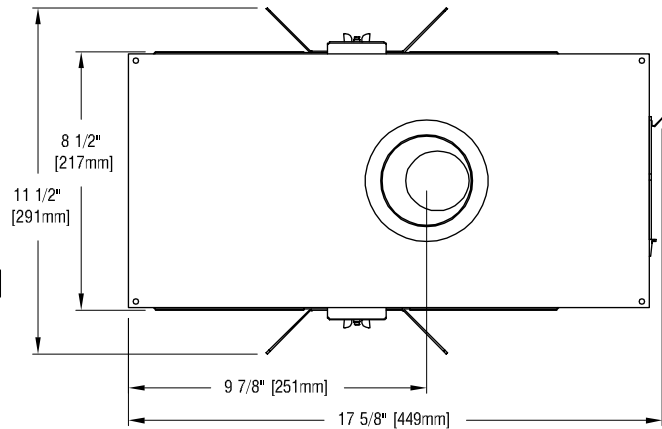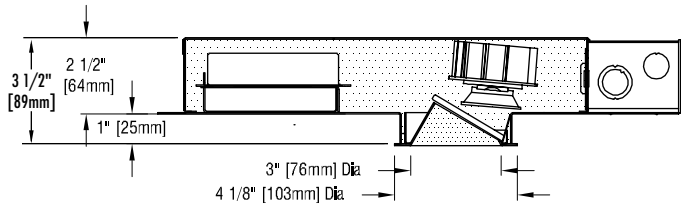
ACCESSORIES *Specify as a separate line item*.

Plaster ring allows use of 3 ¾" OD Trim Flush (-TF)
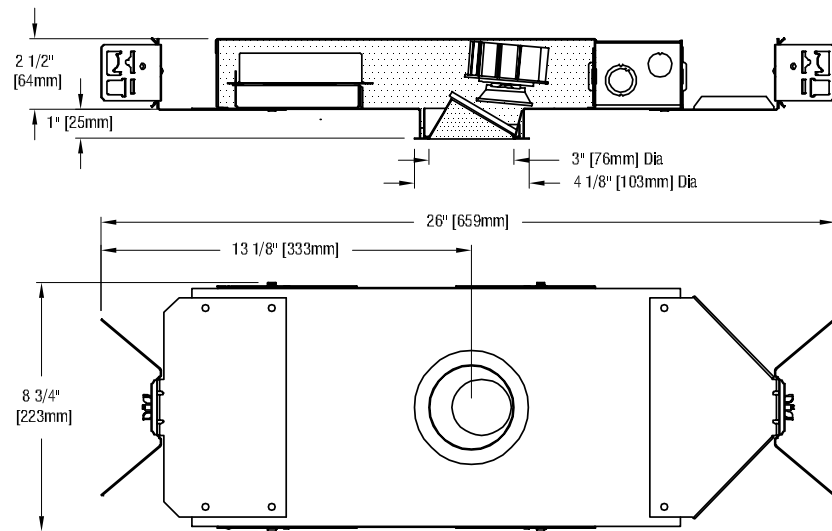reflector in sheetrock ceiling; 4"dia hole required.................. TF RING/3
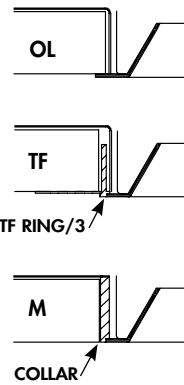
WAFER/3 WL

STANDARD INSTALLATION DESIGN

Requires ceiling opening of 3 ¾" (95mm) for Overlap Detail.
Requires ceiling opening of 4" (102mm) for Trim Flush Detail.
Requires minimum ceiling opening of 3.90" (99mm) for Millwork Trim Detail.

3 1/2" [89mm]
2 1/2" [64mm]
1" [25mm]
3" [76mm] Dia
4 1/8" [103mm] Dia

8 1/2" [217mm]
11 1/2" [291mm]
9 7/8" [251mm]
17 5/8" [449mm]

RESIDENTIAL INSTALLATION DESIGN (-RI)

2 1/2" [64mm]
1" [25mm]
3" [76mm] Dia
4 1/8" [103mm] Dia

26" [659mm]
13 1/8" [333mm]
8 3/4" [223mm]

EXTERNAL REFLECTOR TRIM DETAILS

OL

TF

TF RING/3

M

COLLAR

– see below for photometric reports –

PHOTOMETRIC REPORT (tested per IESNA LM-79-2008)

(UL) *Verification Services Report No. 11863545.13. Original test report furnished upon request.*

Luminaire .... recessed LED lensed wallwasher with internal lens and semi-specular clear aluminum reflector
Light Source .... Cree CXB1310 LED with 36° beam 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

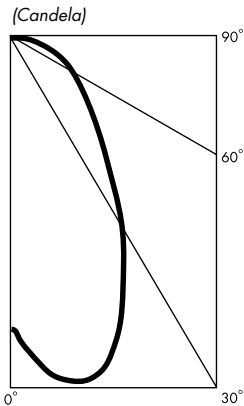| Distance From Ceiling (Feet)	3' From Wall; 3'O.C.		3'6" From Wall; 3'6"O.C.	
	Below Fixture	Between Fixtures	Below Fixture	Between Fixtures
1	9	7	6	5
2	12	10	9	7
3	13	11	9	8
4	12	11	9	8
5	10	10	9	8
6	8	8	7	7
7	6	6	6	6
8	5	5	5	5
9	4	4	4	4
10	3	3	3	3

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	14	10	10	7
2	19	16	13	11
3	20	17	14	12
4	19	16	14	12
5	16	15	13	12
6	12	12	11	10
7	10	9	9	9
8	7	7	7	7
9	6	6	6	6
10	5	5	5	5

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	RX Light Output (90 min. run)
800 Lumens 90 CRI	306*	34*	9	200*
1000 Lumens 90 CRI	364	34	10	200*
1200 Lumens 90 CRI	448*	34*	13	200*
1000 Lumens 80 CRI	378*	42*	9	244*
1200 Lumens 80 CRI	451*	45*	10	244*
1500 Lumens 80 CRI	557*	43*	13	244*

*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

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	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