

DESCRIPTION

A sealed recessed Wavestream LED luminaire is accomplished by precisely adhering a clear lens to the fixture bottom. Wet location under covered ceiling standard. Choose from a variety of clear lenses - acrylic or polycarbonate. IP66 standard. NSF listed.

Typical applications include patient rooms, corridors, food preparation, schools, laboratories, sterile environments, clean rooms, detention centers, behavioral health, public spaces, canopies, locker rooms.

SPECIFICATION

Construction

3-1/4" deep housing is extruded aluminum frame and injected molded end plates. End plates are attached with screws. End plates have accessory grid-lock feature for safety and convenience. Four auxiliary fixture end suspension points are provided. Access plate for supply connection.

Controls

Standard 0-10V dimming driver. Compatible with any 0-10V control/dimmer.

Electrical

LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K, 4000K or 5000K with a typical CRI ≤ 85 . Projected life is 60,000 hours at 78% lumen output. Electronic drivers standard 120-277V.

Driver Access

Drivers accessible via plenum.

Finish

Durable frame has high reflectance baked matte white enamel finish.

Bottom Lens

Clear acrylic or polycarbonate, matched precisely to the fixture, and attached to the fixture with continuously applied adhesive around the fixture perimeter.

Optics

Optical grade acrylic lenses provide a directed optical distribution using WaveStream technology.

Lens Gasket

Viscoelastic acrylic polymer, double sided adhesive for superior strength between lens and fixture.

Housing Gasket

ENC incorporates closed cell polyvinyl chloride gasket on the back side of the housing, to assure a tight seal above the ceiling, and to protect the internal components from environmental contaminants.

Catalog

Project

Comments

Prepared by

Type

Date

Grid Gasket

Gasket applied around perimeter of bottom-edge of lens which provides a seal between ceiling T-grid and fixture when installed.

Compliance

Components are UL recognized. Indoor luminaires are cULus and CSA listed for 25°C ambient environments, wet location under covered ceiling, RoHS compliant, and comply with IESNA LM-79. LEDs comply with LM-80 standards. IP66 rated standard. Class 100,ISO5-8. NSF2 Listed standard.

Warranty

Five year warranty.



ENW
ENC
ENV
LED

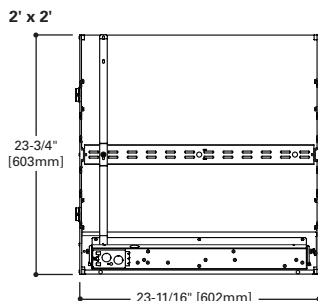
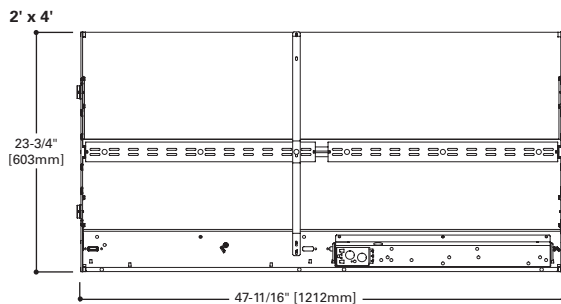
2 X 2 / 2 X 4

**ENW:Wet Location/
Wipe Down**

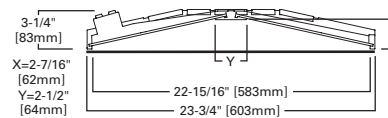
ENC:Cleanroom

**ENV:Vandal
Resistant**

MOUNTING DATA

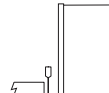


CROSS SECTION



CEILING COMPATIBILITY

G
Grid/Lay-in
Standard



F
Drywall Frame
Kit



**Ceiling
Type**

Exposed Grid
Concealed T
Slot Grid
Flange

**Trim
Type**

G
G or T
G or T
*

CERTIFICATION DATA

Wet Location Under Covered Ceiling
NSF2 listed
IP66 rated
Class 100/ISO5-8
CSA
IC Rated
LM79/LM80 Compliant
ROHS Compliant
cULus - 1598

ORDERING INFORMATION

SAMPLE NUMBERS: ENW-24-4-LD2-54-30-CA125-UNV-EDC1 or ENV-24-2-LD2-34-50-CP187-UNV-ED1D1-CP

* Specify product with bold options for enhanced delivery *

EN	24	LD2					
Family EN =Encounter	Width 24 =24"	Lumen Output 2' x 4' 70 =7000 Lumens ¹⁰ 67 =6700 Lumens ⁵ 54 =5400 Lumens 45 =4500 Lumens	Color Temperature 30 =3000K 35 =3500K 40 =4000K 50 =5000K	Voltage 120 =120V 277 =277V UNV = (120-277V)	Driver EDC1 =Electronic Driver, Single Circuit, Non-Dimming EDD1 =Electronic Driver, Single Circuit, 0-10V Dimming,10% ED1D1 =Electronic Driver, ^{5,10} Single Circuit, 0-10V Dimming 1% ^{2,8} 5LTD =Fifth Light Dali Driver, ^{2,8} (10%-100% Dimming) 5LTD1 =Fifth Light Dali Driver, ^{5,8} (1%-100% Dimming) EDSD1 =Step Dim Driver, ⁹ Single Circuit	Options EL7W =Emergency Driver, 7W ^{4,7} EL14W =Emergency Driver, 14W ^{4,7} CP =CCEA Compliant ¹ GSK/GRD =Gasket around perimeter of bottom edge of lens to seal between the fixture and T-Grid (standard on ENC) GSK/HSG =Gasket on back side of housing (standard on ENC)	
Type W =Wet Location, Wipe Down, Sealed C =Clean Room Rated, Wet Location V =Vandal Resistant	Length 2 =2' 4 =4'	Lumen Output 2' x 2' 43 =4300 Lumens 39 =3900 Lumens 34 =3400 Lumens ² 25 =2500 Lumens ²	Lens ENW and ENC CA08 =Clear Acrylic, 0.080" Thick CA125 =Clear Acrylic, 0.125" Thick ENV CP125 =Clear Polycarbonate, 0.125" Thick CP187 =Clear Polycarbonate, 0.187" Thick CP250 =Clear Polycarbonate, 0.250				
	LED Type LD2 =LED 2.0						

NOTES:

- Row mounting not possible.
- Fifth-Light DALI (5LTD) driver is not available with 2500 or 3400 lumen options.
- Two drivers required with step dim driver.
- Repositionable adhesive is used to secure the lens to the fixture.
Separate the lens from the fixture to disengage the EZ key.
Then re-attach the lens to the fixture.
- Two drivers required for the 6700 lumen package.
- Mounting clips included standard with fixture. Order MSC4-PK for spare or replacement clips.
- Test switch must be activated by LASER, ordered separately.
- Must be used with DALI Control System.
- Step dim driver not available with 2500, and 3400 lumen packages.
- 1% dimming driver is not available with the 7000 lumen option.

Accessories (order separately)

MSC4-PK=Mounting Security Clips. Use⁶
to secure fixture to grid or to
attach tie-wires

DFCL-2448W-U=2' x 4' gasketed drywall
framing kit. Ships with
gasket to be applied in
field. Cut out dimension
24.25" x 48.25"

DFCL-2424W-U=2' x 2' gasketed drywall
framing kit. Ships with
gasket to be applied in
field. Cut out dimension
24.25" x 24.25"

LASER=Laser pointer, enables remote⁷
testing to simulate AC power loss
and engagement of emergency
operation.

15 Day Ship SKUs

2X2 2500 Lumen	ENC-24-2-LD2-25-35-CA125-UNV-EDC1	2X4 4500 Lumen	ENC-24-4-LD2-45-35-CA125-UNV-EDC1
	ENC-24-2-LD2-25-40-CA125-UNV-EDC1		ENC-24-4-LD2-45-40-CA125-UNV-EDC1
	ENW-24-2-LD2-25-35-CA125-UNV-EDC1		ENW-24-4-LD2-45-35-CA125-UNV-EDC1
	ENW-24-2-LD2-25-40-CA125-UNV-EDC1		ENW-24-4-LD2-45-40-CA125-UNV-EDC1
	ENC-24-2-LD2-25-35-CA125-UNV-EDD1		ENC-24-4-LD2-45-35-CA125-UNV-EDD1
	ENC-24-2-LD2-25-40-CA125-UNV-EDD1		ENC-24-4-LD2-45-40-CA125-UNV-EDD1
	ENW-24-2-LD2-25-35-CA125-UNV-EDD1		ENW-24-4-LD2-45-35-CA125-UNV-EDD1
2X2 3400 Lumen	ENC-24-2-LD2-34-35-CA125-UNV-EDC1	2X4 6700 Lumen	ENC-24-4-LD2-67-35-CA125-UNV-EDC1
	ENC-24-2-LD2-34-40-CA125-UNV-EDC1		ENC-24-4-LD2-67-40-CA125-UNV-EDC1
	ENW-24-2-LD2-34-35-CA125-UNV-EDC1		ENW-24-4-LD2-67-35-CA125-UNV-EDC1
	ENW-24-2-LD2-34-40-CA125-UNV-EDC1		ENW-24-4-LD2-67-40-CA125-UNV-EDC1
	ENC-24-2-LD2-34-35-CA125-UNV-EDD1		ENC-24-4-LD2-67-35-CA125-UNV-EDD1
	ENC-24-2-LD2-34-40-CA125-UNV-EDD1		ENC-24-4-LD2-67-40-CA125-UNV-EDD1
	ENW-24-2-LD2-34-35-CA125-UNV-EDD1		ENW-24-4-LD2-67-35-CA125-UNV-EDD1
	ENW-24-2-LD2-34-40-CA125-UNV-EDD1		ENW-24-4-LD2-67-40-CA125-UNV-EDD1

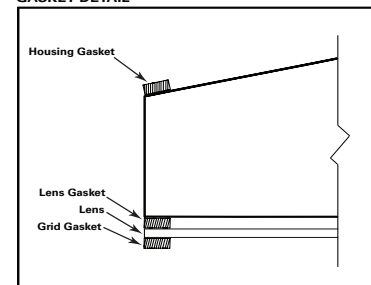
* The above SKUs generally ship in a 15 day time-frame, upon order being received at factory.

* Variables that may adversely affect lead-time include, order quantity, and time-frame from order entry to order receipt at factory.

STOCK SKU

ENW-24-2-LD2-34-35-CA125-UNV-EDC1

GASKET DETAIL



SHIPPING DATA

Catalog No.	Wt.
2x4 CA125 Lens	30 lbs.
2x2 CA125 Lens	15 lbs.

ENW/ENC/ENV LED 2X4/2X2

Size	Lumens	Color Temp	Input Watts	Initial Delivered Lumens	0.080" Clear Acrylic Lens	0.125" Clear Acrylic Lens	0.125" Clear Polycarbonate	0.187" Clear Polycarbonate	0.250" Clear Polycarbonate
2x2	2500	3000	25.5	2487	2338	2288	2139	2114	2089
2x2	2500	3500	25.5	2537	2385	2334	2182	2156	2131
2x2	2500	4000	25.5	2627	2469	2417	2259	2233	2207
2x2	2500	5000	25.4	2779	2612	2557	2390	2362	2334
2x2	3400	3000	34.8	3276	3079	3014	2817	2785	2752
2x2	3400	3500	34.9	3424	3219	3150	2945	2910	2876
2x2	3400	4000	34.8	3466	3258	3189	2981	2946	2911
2x2	3400	5000	34.8	3666	3258	3189	2981	2946	2911
2x2	3900	3000	41.6	3799	3571	3495	3267	3229	3191
2x2	3900	3500	41.7	3915	3680	3602	3367	3328	3289
2x2	3900	4000	41.7	4018	3777	3697	3455	3415	3375
2x2	3900	5000	41.6	4250	3995	3910	3655	3613	3570
2x2	4300	3000	47.4	4207	3955	3870	3618	3576	3534
2x2	4300	3500	47.6	4396	4132	4044	3781	3737	3693
2x2	4300	4000	47.4	4452	4185	4096	3829	3784	3740
2x2	4300	5000	47.4	4709	4426	4332	4050	4003	3956
2x4	4500	3000	46.7	4333	4073	3986	3726	3683	3640
2x4	4500	3500	47.0	4504	4234	4144	3873	3828	3783
2x4	4500	4000	46.8	4618	4341	4249	3971	3925	3879
2x4	4500	5000	46.8	4885	4592	4494	4201	4152	4103
2x4	5400	3000	54.3	5329	5009	4903	4583	4530	4476
2x4	5400	3500	54.4	5421	5096	4987	4662	4608	4554
2x4	5400	4000	54.6	5614	5277	5165	4828	4772	4716
2x4	5400	5000	54.6	5938	5582	5463	5107	5047	4988
2x4	6700	3000	70.0	6598	6202	6070	5674	5608	5542
2x4	6700	3500	70.2	6730	6326	6192	5788	5721	5653
2x4	6700	4000	70.2	6938	6522	6383	5967	5897	5828
2x4	6700	5000	70.2	7339	6899	6752	6312	6238	6165
2x4	7000	3000	74.9	6948	6531	6392	5975	5906	5836
2x4	7000	3500	74.9	7077	6652	6511	6086	6015	5945
2x4	7000	4000	74.9	7303	6865	6719	6281	6208	6135
2x4	7000	5000	74.9	7725	7262	7107	6644	6566	6489

Approximate Color Temperature Multiplier

4000K	1.0
3000K	0.944
3500K	0.972
5000K	1.078

Delivered lumens in table above are approximate values. Refer to LM79 data/IES files for precise values.

(Refer to LM79 photometric data for most accurate information)