Fail-Safe

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, behaviorial health, public spaces, canopies, locker rooms.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction
3-1/16" 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.

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.

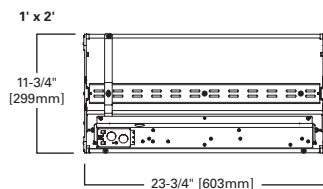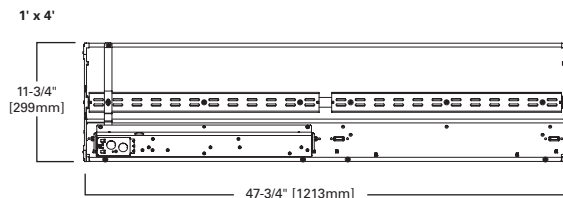### Warranty
Five year warranty.

ENW
ENC
ENV
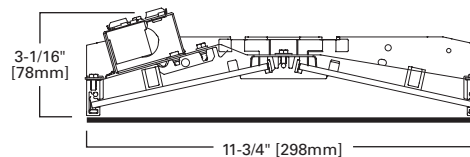## LED

1 X 4 / 1 X 2

ENW:Wet Location/Wipe Down

ENC:Cleanroom

ENV:Vandal Resistant

MOUNTING DATA

1' x 4'

11-3/4" [299mm]

47-3/4" [1213mm]

1' x 2'

11-3/4" [299mm]

23-3/4" [603mm]

CROSS SECTION

3-1/16" [78mm]

11-3/4" [298mm]

CEILING COMPATIBILITY

G Grid/Lay-in Standard

F Drywall Frame Kit

Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G or T
Slot Grid	G or T
Flange	*

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

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ORDERING INFORMATION

SAMPLE NUMBERS: ENW-12-4-LD2-28-30-CA125-UNV-EDC1 or ENV-12-2-LD2-17-50-CP187-UNV-ED1D1-CP-EL7W

* Specify product with bold options for enhanced delivery *

| EN | | 12 | | LD2 | | | | | | | |

Family
EN=Encounter

Type
W=Wet Location, Wipe Down, Sealed
C=Clean Room Rated, Wet Location
V=Vandal Resistant [4]

Width
12=12"

Length
2=2'
4=4'

LED Type
LD2=LED 2.0

Lumen Output 1' x 4'
43=4300 Lumens
33=3300 Lumens
28=2800 Lumens
25=2500 Lumens

Lumen Output 1' x 2'
35=3500 Lumens
27=2700 Lumens
17=1700 Lumens
13=1300 Lumens

Color Temperature
30=3000K
35=3500K
40=4000K
50=5000K

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

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, Single Circuit, 0-10V Dimming 1%
5LTD=Fifth Light Dali Driver, (10%-100% Dimming) [2,6]
5LTD1=Fifth Light Dali Driver, (1%-100% Dimming) [6]
EDSD1=Step Dim Driver, Single Circuit [2]

Options
EL7W=Emergency Driver, 7W [4,5]
EL14W=Emergency Driver, 14W [4,5]
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)

Accessories (order separately)
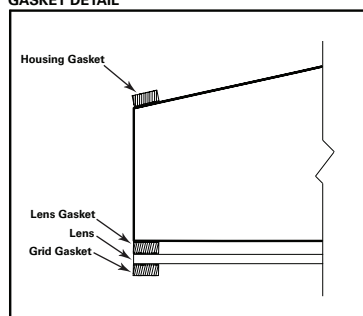**MSC4-PK**=Mounting Security Clips. Use [3] to secure fixture to grid or to attach tie-wires
DFCL-1248W-U*=1' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25"
DFCL-1224W-U*=1' x 2' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 12.25" x 24.25"
LASER=Laser pointer, enables remote [5] testing to simulate AC power loss and engagement of emergency operation.

NOTES:
1. Row mounting not possible.
2. 2500,2800,3300 lumen packages not available with 5LTD or EDSD1 drivers.
3. Mounting clips included standard with fixture. Order MSC4-PK for spare or replacement clips.
4. Repositionable adhesive is ued 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.
5. Test switch must be activiated by LASER, ordered separately.
6. Must be used with DALI control system.

Product	Wet Location	NSF	IP66	Class / ISO	Lens Gasket	Housing Gasket	Grid Gasket
ENW	Standard	Standard	Standard	Class 100 / ISO5-8	Standard	Option	Option
ENC	Standard	Standard	Standard	Class 100 / ISO5-8	Standard	Standard	Standard
ENV	Standard	Standard	Standard	Class 100 / ISO5-8	Standard	Option	Option

GASKET DETAIL

Housing Gasket
Lens Gasket
Lens
Grid Gasket

SHIPPING DATA

Catalog No.	Wt.
1x4 CA125 Lens	18 lbs.
1x2 CA125 Lens	10 lbs.

ENW/ENC/ENV 1X4/1X2

size	lumens	color temp	input watts	initial delivered lumens (open)	Multiplier				
					0.94	0.92	0.86	0.85	0.84
					0.080" clear acrylic	0.125" clear acrylic	0.125" clear poly-carbonate	0.187" clear poly-carbonate	0.250" clear poly-carbonate
1x4	2500	3000	25.8	2487	2338	2288	2139	2114	2089
		3500		2537	2385	2334	2182	2156	2131
		4000		2627	2469	2417	2259	2233	2207
		5000		2779	2612	2557	2390	2362	2334
	2800	3000	28.6	3276	3079	3014	2817	2785	2752
		3500		3424	3219	3150	2945	2910	2876
		4000		3466	3258	3189	2981	2946	2911
		5000		3666	3446	3373	3153	3116	3079
	3300	3000	33.4	3799	3571	3495	3267	3229	3191
		3500		3915	3680	3602	3367	3328	3289
		4000		4018	3777	3697	3455	3415	3375
		5000		4250	3995	3910	3655	3613	3570
	4300	3000	46.7	4207	3955	3870	3618	3576	3534
		3500		4396	4132	4044	3781	3737	3693
		4000		4452	4185	4096	3829	3784	3740
		5000		4709	4426	4332	4050	4003	3956
1x2	1300	3000	25.8	1272	1196	1170	1094	1081	1068
		3500		1316	1237	1211	1132	1119	1105
		4000		1388	1305	1277	1194	1180	1166
		5000		1468	1380	1351	1262	1248	1233
	1700	3000	28.6	1709	1606	1572	1470	1453	1436
		3500		1767	1661	1626	1520	1502	1484
		4000		1864	1752	1715	1603	1584	1566
		5000		1972	1854	1814	1696	1676	1656
	2700	3000	33.4	2616	2459	2407	2250	2224	2197
		3500		2706	2544	2490	2327	2300	2273
		4000		2854	2683	2626	2454	2426	2397
		5000		3019	2838	2777	2596	2566	2536
	3500	3000	46.7	3431	3225	3157	2951	2916	2882
		3500		3548	3335	3264	3051	3016	2980
		4000		3743	3518	3444	3219	3182	3144
		5000		3959	3721	3642	3405	3365	3326

Approximate Color Temperature Multiplier

4000K	1.0
3000K	0.944
3500K	0.922
5000K	1.078

(Refer to LM79 photometric data for most accurate information)

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

Specifications and dimensions subject to change without notice.

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