



WET LOCATION LED

GWL310 (1X4) SERIES

WET LOCATION GRID LUMINAIRE

DATE	
JOB	

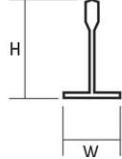
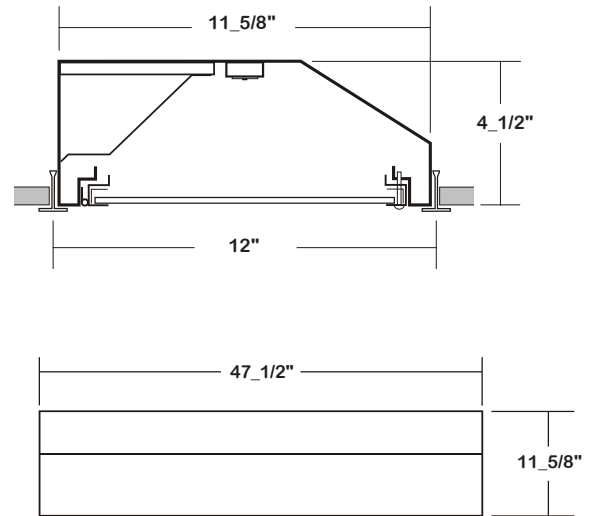
WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED WET LOCATION LED LUMINAIRE FOR 1" OR 1_1/2" WIDE INVERTED T-BAR CEILINGS

DIMENSIONS

T-BAR SIZING

WIDTH	HEIGHT
15/16"	1_1/2"
1_1/2"	1_1/2"
1_1/2"	2"

APPLICATIONS

- Wet Location, Covered Ceiling, Commercial, Class 100 Clean Room

FEATURES

- Wet location (UL listed with sprinkler test)
- 0-10V dimming driver standard (See *DRIVER OPTIONS* for other dimming types)
- Supports California Title 24 compliance
- Class 100 / ISO Class 5 equivalent

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available (See *SENSOR OPTIONS* for wireless controls)
- Variety of lenses available (See *OPTICAL OPTIONS* for lenses)
- Emergency battery pack available (See *BATTERY PACK OPTIONS* for battery pack options)
- Antimicrobial finished housing and door frame available
- Tamper proof screws available
- Tunable white available (2700K-6500K)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. electro-galvanized steel welded housing
- All parts fitted and sealed, no unused holes or knockouts
- 20 ga. electro-galvanized steel door frame secured by full length piano hinge and 2 captive screws
- Door frame and lens sealed with closed cell neoprene gasket

FINISH

- Baked white powder coated finish / welded and painted after fabrication / minimum reflectance 90%

OPTICAL

- Inverted clear prismatic acrylic lens (nominal 0.125) standard

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada listed / suitable for wet locations / UL listed with sprinkler test

WARRANTY

- 5-year limited warranty



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Revised 07-11-19

WARNING

ORDERING INFORMATION

EXAMPLE: GWL310-4-4L-FSW-PA2-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
GWL310			4L						DRDM	UNV	1	
GWL310 Wet Location Grid LED Luminaire	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 2000 / 4000 / 6000 lumens Systems)	4L 1' x 4'	AMF Antimicrobial Finished Housing and Door Frame *Leave Blank if Not Specified	FSW Flat Steel White Enamel Door Frame See <u>DOOR FRAME for Options</u>	PA2 Clear Prismatic Acrylic 0.125 Nominal DRP8 High Impact Clear Prismatic Acrylic 0.187 Nominal FPA2 Frosted Prismatic Acrylic 0.125 Nominal See <u>OPTICAL OPTIONS for Options</u>	TP Tamper Proof Screws (Hex Socket with Post) *Leave Blank if Not Specified <u>Additional Mechanical Options</u>	BPL1.5 Emergency Battery Pack, Nom. 1500 lm See <u>BATTERY PACK OPTIONS for Options</u> WLC(LEDUR) EnOcean Wireless Control See <u>SENSOR OPTIONS for Options</u> *Leave Blank if Not Specified <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver See <u>DRIVER OPTIONS for Options</u>	UNV 120V-277V See <u>DRIVER OPTIONS for Options</u>	1 One LED Row	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	GWL310-2-4L-FSW-PA2-DRDM-UNV-1/840	1580 lm	15.7 W	100.5 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	GWL310-4-4L-FSW-PA2-DRDM-UNV-1/840	3018 lm	33.1 W	91.1 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3192-6
6000 Lumens (Nominal)	GWL310-6-4L-FSW-PA2-DRDM-UNV-1/840	4314 lm	52.3 W	82.4 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	GWL310-8-4L-FSW-PA2-DRDM-UNV-1/840	5826 lm	53.8 W	108.3 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	GWL310-2HE-4L-FSW-PA2-DRDM-UNV-1/840	1498 lm	12.7 W	118.0 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	GWL310-4HE-4L-FSW-PA2-DRDM-UNV-1/840	2983 lm	25.9 W	115.1 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	GWL310-6HE-4L-FSW-PA2-DRDM-UNV-1/840	4425 lm	39.6 W	111.7 lm/W	-20°C / 35°C	3-F32T8	*

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PERFORMANCE DATA

[VIEW PHOTOMETRICS](#)



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SENSOR OPTIONS



CONTROLS AND SENSORS

WLC(LED RU) - EnOcean® LED Relay Zone Controller

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount

- Wireless single rocker switch with mounting plate
- No batteries needed

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount

- Wireless double rocker switch with mounting plate
- No batteries needed

S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount

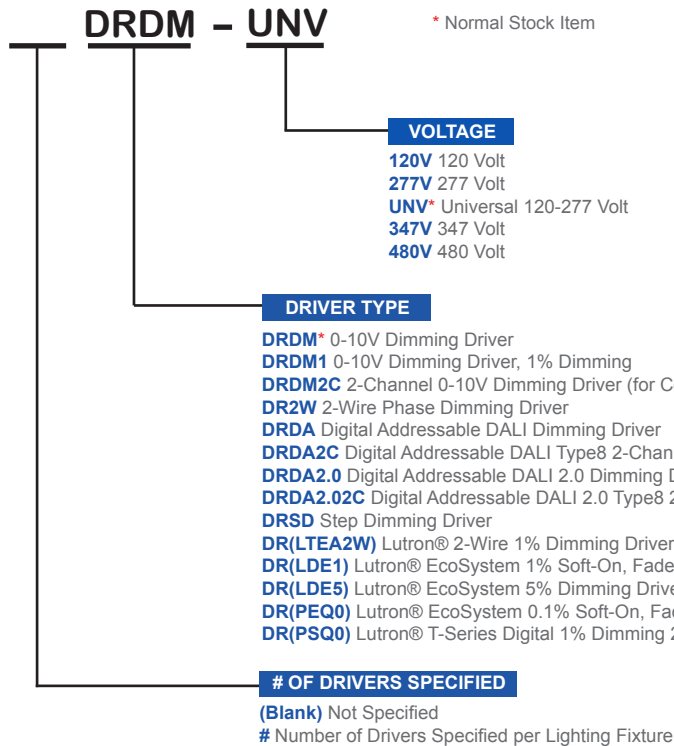
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

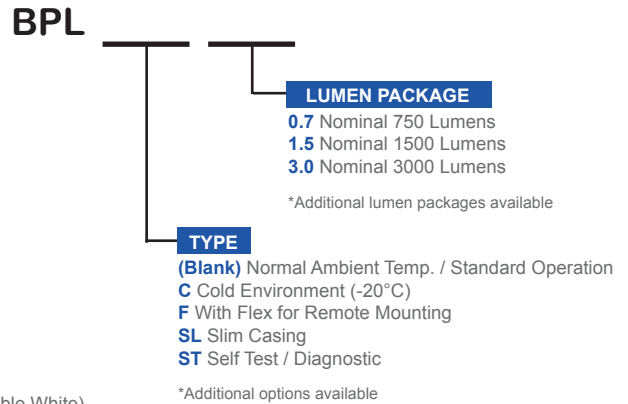
DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



BATTERY PACK OPTIONS

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OPTICAL OPTIONS

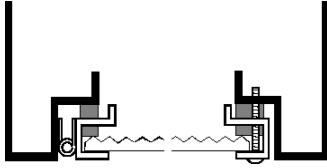
STANDARD LENSES FOR GWL310

PA2	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
DRP8	High Impact Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
FPA2	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness

[CLICK HERE FOR FULL OPTICAL OPTIONS LIST](#)

DOOR FRAME

CROSS SECTION



FEATURES

- Full Length Piano Hinge
- Inverted Lens
- Two 10-24 Captive Machine Screws
- Sealed with Closed Cell Neoprene Gasket

FS W

FINISHES

- W** White Enamel
- B** Black Enamel

STYLES

- FS** Flat Steel



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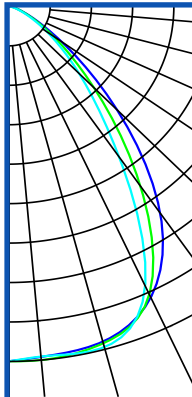
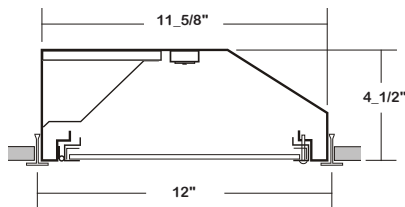
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PHOTOMETRIC DATA - GWL310 SERIES

GWL310-4-4L-FSW-PA2-DRDM-UNV-1/840

TEST NO.=LA-T3192-6
 LED TYPE=48 LED MODULE
 NO. OF MODULE=2
 SYSTEM WATT (W)=33.1
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	1835	1835	1835
5	1819	1836	1817
15	1795	1803	1824
25	1661	1644	1595
35	1305	1134	950
45	756	595	492
55	317	267	231
65	109	98	85
75	36	32	24
85	16	7	2
90	4	2	0
95	3	2	0
115	3	2	0
125	3	1	0
135	3	1	0
145	1	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1444	33.7	47.8
0-40	2154	50.2	71.4
0-60	2870	67.0	95.1
0-90	3007	70.2	99.6
90-120	6.3	0.1	0.2
90-150	9.3	0.2	0.3
90-180	9.7	0.2	0.3
0-180	3018	70.4	100.00

Luminaire Output= 3018 lumens
 Luminaire Efficacy = 91.1 lm/W
 Luminaire Efficiency = 70.4%

SPACING CRITERION

ALONG	ACROSS
1.19	1.09

