Lumination™ LED Luminaires

LED Recessed Luminaire
LPL24 Value Series – Panel Light Generation B

Project name _____
Date _____
Type _____

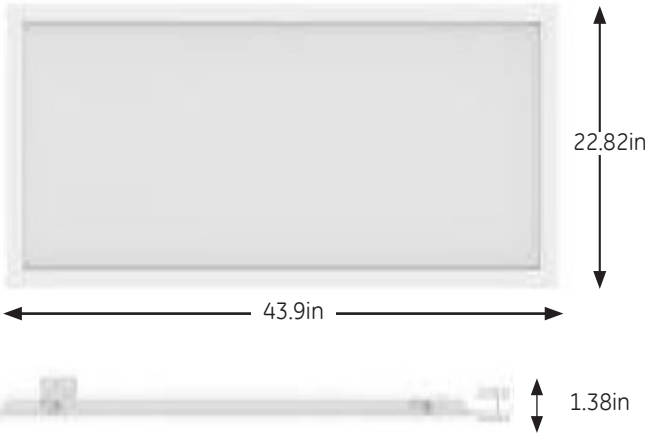
Product Description:

GE Lumination™ LPL Series Recessed LED Luminaires are a value product for commercial ceilings providing uniformity, efficiency and reduced glare for T-grid ceiling applications. For the premium reveal® TriGain™ Architectural flat panel design, please see details for the LET series. The LPL lumen maintenance of greater than L70 at 50,000 hours operation, allows for lower maintenance costs. It is suitable for indoor general lighting for both new construction and retrofit when luminaire's are being replaced. The uniform light across the diffuser offers a distinctive, better look than traditional LED "two strip troffers". End users can see the difference and enjoy the fresh new look of an LED luminaire.

Performance Summary:

Light Output Range: 3500/4550/5250 lumens (Field Switchable)
CRI: 80+, R9 >0
CCT: 3500K/4000K
Efficacy: 118 LPW
Input Voltage: 120V-277V
Wattage Range: 27/37.5/44.5 watts
Rated Luminaire Lumen Depreciation: L70@50,000 hours
Limited Warranty: 5 Years

Product Dimensions:



Certified by:

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Daintree WIRELESS CONTROLS

Note: Test data for this product meets utility rebate consortium requirements. The consortium Name/logo is not allowed to be used until approvals are completed. This is in process and may be approved at any time. It can be checked at www.designlights.org/QPL

Ordering Information:

L P L	2 4	B	0	4 X	M M	X X X	V Q	L T	W H T E	_ _

FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI/CRT	CONTROLS	MOUNTING	FINISH	OPTIONS
LPL = Lumination Panel Light	**24** = 2' x 4'	**B** = 2nd Generation	**0** = 120-277V	**4X** = Nominal Lumen Level	**MM** = Med. Lambertian	**835** = 80CRI, 3500K **840** = 80CRI, 4000K	**VQ** = 0-10V Dimming	**LT** = T-Grid	**WHTE** = White	All options are sold separately as accessories, please see below

EXAMPLE CONFIGURATIONS	LUMINAIRE LUMENS (SWITCHABLE[4])	LUMINAIRE TOTAL SYSTEM WATTS	LUMINAIRE LPW	QUICKSHIP
LPL24B04XMM835VQLTWHTE	3500/4550/5250	27/37.5/44.5	118	YES
LPL24B04XMM840VQLTWHTE	3500/4550/5250	27/37.5/44.5	118	YES

Ordering Notes:

1. **ALL LPL UNITS ARE PRICED AS SINGLE UNITS AND MUST BE ORDERED AS SINGLE UNITS IN EVEN QUANTITIES AS THIS PRODUCT IS PACKED TWO PER BOX. IT SHOULD BE NOTED IN RECEVING DOCUMENTS THAT ONE BOX HAS TWO UNITS AND SHOULD BE RECIEVED AS TWO UNITS.**
2. See accessories for wireless and sensor options
3. All options are accessories that are quickly and easily attached and/or wired to the luminaire in the field by the installer.
4. Fixture is field configurable for three different lumen/wattage levels with a switch. Switch default is the middle level (3750 Lumens, 32.5 Watts).

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Drywall Mount Kit 2 x 4	GESK07	69523
2x4 Surface Mount Kit for Backlit T-Grid	B24 SMK	212463
347V kit	LFAMBADVQFA	93071580
EMBB kit	LFAMBA0VQFAEL	93071576
Wireless Enabled, Daintree Compatible kit (most commonly used option for Daintree)	LCAMBA0TQFA	93071586
Wireless Enabled, Daintree Compatible with Daintree WFA 100 kit (allows for field connectivity to remote sensor)	LCAMBA0TSFA	93071585
Wireless Enabled, Daintree Compatible + EMBB kit	LCAMBA0TQFAEL	93071579
Wireless Enabled, Daintree Compatible with Daintree WFA 100 + EMBB kit	LCAMBA0TSFAEL	93071578
Wireless Enabled, Daintree Compatible with Daintree WFA 100 + Emergency Bypass kit (Dual Shunt Relay to be used with building generator backup systems to override dimming - Contact manufacturer prior to ordering to confirm application)	LCAMBA0TSFAB2	93071582
Digital Input Driver (does not have 0-10v input) that uses a field installed sensor accessory (in the ceiling -not the fixture) that is Daintree compatible such as EZ Connect or Enterprise sensors	LCAMBA0SQFA (Interface Module T1, TT, TZ, TM)	93117531

SENSOR KIT (FOR LCAMBA0SQFA CONTROL ACCESSORY ONLY)		PRODUCT CODE
Dantree One/EZ Connect:	LSAATT/T1FM6 (WIT100 Sensor Kit)	93098472
Daintree Enterprise:	LSAATZFM6(WIZ100 Sensor Kit)	93098473
Daintree Ent. Multi Sensor:	LSAATMFM6 (WMZ10 Sensor Kit)	93119594

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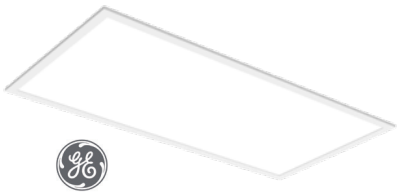

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Product Specifications:

LED & Optical:

CRIa: >80
R9: >0
Color Consistency: Central limit 4-Step MacAdam Ellipse with LED recipe approach for tight unit to unit color control
Rated Luminaire Lumen Depreciation: L70@50,000 Hours
TM-21 LED Data:
Estimated Lumen maintenance: L84>100,000 hrs
Reported: L90>60,000 hrs

Electrical System:

Input Voltage: 120-277
Input Frequency: 50/60 Hz
System Power Factor (PF): >0.9*
Total Harmonic Distortion (THD): <20%*
LED Driver Type: Class 2
**PF and THD may vary with options*

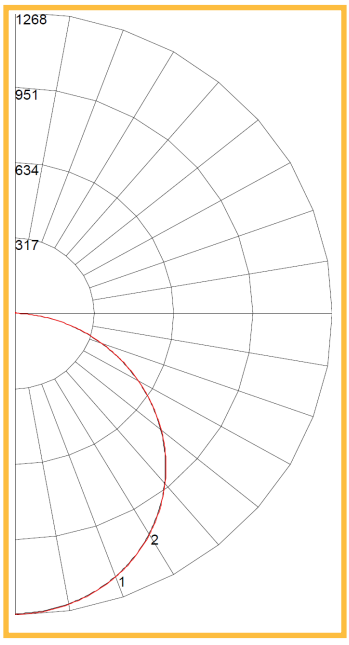
Ratings and Evaluations:

Operating Temperature: 0°C to +40°C
Storage Temperature: -40°C to +70°C
Surge Protection: ANSI C82.77 Complaint
Location: Damp
Insulation Contact: Type IC Rated
Safety: UL/cUL Listed
Environmental: RoHS compliant
Utility: Test data for this product meets utility rebate consortium requirements. The consortium Name/logo is not allowed to be used until approvals are completed. This is in process and may be approved at any time. It can be checked at www.designlights.org/QPL

Construction & Finish:

Housing: Durable, long lasting steel construction. Aluminum extruded frame
Lensing: Precision formed optical assembly.
Paint: Post painted powder coat finish
Weight: <16 pounds

Photometrics:



ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.70
10-20	342.94
20-30	520.12
30-40	627.96
40-50	653.32
50-60	594.68
60-70	464.18
70-80	283.29
80-90	84.93
90-100	0.08
100-110	0.54
110-120	1.31
120-130	1.62
130-140	1.83
140-150	1.76
150-160	1.18
160-170	0.53
170-180	0.04

Warranty:

System Warranty: 5 Year

Controls:

Standard Dimming: 0-10VDC
Minimum Dimming: 10% of rated lumen LED drive current. Contact manufacturer for other available options.
Optional Dimming: Contact Manufacturer
Wireless Networking and Sensing Device Options*

Daintree One: Wireless fixture integrated sensor that is perfect for single fixtures or small area applications. Standalone wireless lighting controls that work independently. Comes preset from the factory, yet can be upgraded to Daintree EZ Connect and/or Daintree Enterprise in the future. Factory preset to shut off 20 minutes after the space is vacated of occupants. Daylight harvesting preset enabled on.

Daintree EZ Connect: Wireless fixture integrated sensor that is designed for room based controls where a group of fixtures communicate to each other and communicate wirelessly in chorus as a system. The advantage is simple, minimal field based commissioning. Factory preset to shut off 20 minutes after the space is vacated of occupants. Daylight harvesting is set in initial preset. EZ Connect wireless lighting controls are set up and/or can be changed by the Daintree EZ Connect application that can be downloaded via an iOS smart device.

Daintree Enterprise: Wireless fixture integrated sensor technology that is ideal for multi-site lighting system management. System requires software and commissioning. Monitor multiple controls, lighting, energy, HVAC with unlimited potential for other (3rd party) sensor integration. "Open on the bottom" means that ZigBee communication protocol is an industry standard with countless wireless hardware sensing options. "Open on the top" means that the data from the sensors can be used by any 3rd party software supplier/developer, be it part of a complete BMS system or simple API (Application Programming Interface or "App"). Daintree Enterprise offers a complete future proof solution from any Daintree enabled installed base of fixtures.

Power Addition for Controls: <2 watts
**Contact Factory for specific option availability*

Mounting:

Typical Mounting: Fits standard T-Bar grid (drop ceilings)
Wiring Access: ½" trade-size KOs
T-Grid Clips: T-grid clips attached, with holes for seismic wires
Surface Mounting: Surface mount kit available.

Accessories & Options:

Optional Emergency Battery: Provides 90-minutes of Emergency lighting.

For more information and access to all of our resources, including our design tool visit: www.LED.com

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