Lumination™ LED Luminaires
LED Recessed Luminaire
LPL24 Value Series - Panel Light
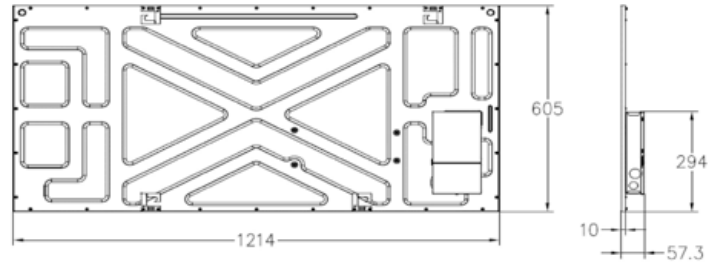
Product Description:

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.

Product Dimensions:

Performance Summary:

Light Output Range: 3000-4800 lumens
CRI: 80+, R9>0
CCT: 3500K/4000K
Efficacy: 100LPW
Input Voltage: 120-277V
Wattage Range: 30-48 watts
Rated Lumen Depreciation: L70 @ 50,000 hrs.
Limited Warranty: 5 Years

Listings:

cULus LISTED

DaintreeNetworks — Simplifying Building Energy Management

a product of ecomagination℠

DLC QPL LISTED — Please refer to the DLC QPL website for the latest and most complete information. http://www.designlights.org/QPL

Ordering Information:[1] (Important, Please see note 1 below)

LPL	24	A	0	__	MM	___	VQ	LT	WHTE

FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION FINISH	CRI/CCT	CONTROLS[2]	MOUNTING	FINISH	OPTIONS[3]
LPL = Lumination Panel Light	**24** = 2' x 4'	**A** = 1st Generation	**0** = 120–277V	**30** = 3000[4] **40** = 4000 **48** = 4800[4]	**MM** = Medium 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	LUMINAIRE TOTAL SYSTEM WATTS	LUMINAIRE LPW	SHIPPING LEAD TIME (WEEKS)	QUICKSHIP
LPL24A030MM835VQLTWHTE[4]	3000	30	100	3	
LPL24A040MM835VQLTWHTE	4000	40	100	1	√
LPL24A048MM835VQLTWHTE[4]	4800	48	100	3	
LPL24A030MM840VQLTWHTE[4]	3000	30	100	3	
LPL24A040MM840VQLTWHTE	4000	40	100	1	√
LPL24A048MM840VQLTWHTE[4]	4800	48	100	3	

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Drywall Mount Kit 2 x 4	GESK07	69523
2 x 4 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 + 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)	LCAMBA0TQFAB2	93071583
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

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 RECEIVING 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. These configurations/lumen levels require additional manufacturing steps and therefore have a 10% price adder.

current powered by GE

GE

LED & Optical Assembly

CRIa: >80
R9: >0
Color Consistency: Central limit 4-Step MacAdam Ellipse with LED recipe approach for tight unit to unit color control
Rated Lumen Depreciation: L70 @ 50,000 hrs

Electrical

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

Ratings & Evaluations

Operating Temperature: –20°C to +30°C
Storage Temperature: -40°C to +70°C
Surge Protection: ANSI C82.77 Complaint
Location: Damp
Safety: UL/cUL Listed
Environmental: RoHS compliant
Utility: DLC™ Qualified Product Listed, check
www.designlights.org/QPL for specific products

Construction & Finish

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

Controls

Standard Dimming: 0-10VDC ANSI C137.x compliant
Minimum Dimming: 10% of rated lumen LED drive current
Optional Dimming: N/A
Wireless Networking & Sensing Devices:*
　　— Daintree Wireless enabled
　　— Daintree Systems (Wireless Only)
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
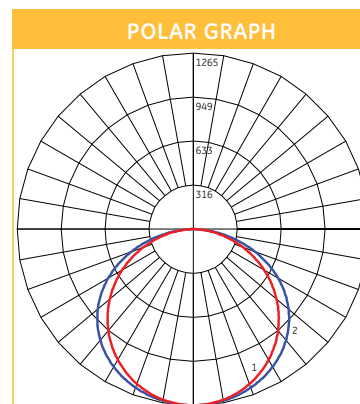**Surface Mounting:** Surface mount kit available

Accessories and Options

Optional Emergency Battery: Provides 90-minutes of Emergency lighting

Design Life & Warranty

System Warranty: 5 Year

Photometrics

POLAR GRAPH

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	119.96
10-20	346.62
20-30	534.73
30-40	662.00
40-50	709.90
50-60	666.79
60-70	532.59
70-80	326.87
80-90	100.52
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00