

Lumination™ LED Luminaires

2' x 4' LED Refit™ Kit
RPL 24 Series - Refit™ Panel



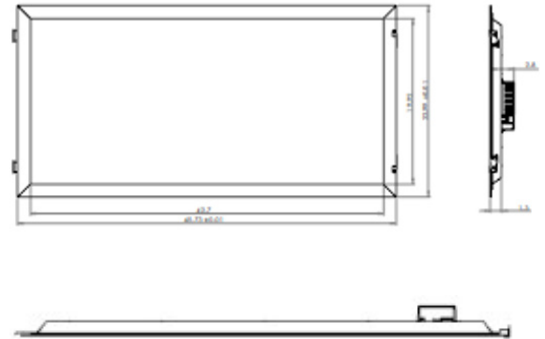
Project name _____
Date _____
Type _____

Product Description:

GE Lumination™ RPL Series Recessed LED Refit kits bring a smooth uniform look to any drop ceiling landscape. By providing high uniformity, excellent efficiency and reduced glare the RPL is ideal for commercial office, education or healthcare applications.

The RPL offers an easy-to-install LED solution by eliminating the need to go above the ceiling, making it suitable for indoor general lighting. With a matte frame finish, flat diffused lens and smooth uniform lights (no pixels or stripes) the RPL brings visual interest to any ceiling. All fixtures are available with accessory kits for Daintree's complete portfolio of wireless control options for all use cases. Daintree One and Daintree EZ Connect, offer the ability to upgrade disconnected fixtures into an enterprise grade energy management solution. This allows end users to build a digital ceiling with already installed infrastructure today, tomorrow, or when they are ready for the productivity benefits of IoT.

Product Dimensions:



Performance Summary:

Light Output Range: 3150/4150/4950 lumens(Field Switchable)
CRI: 80+, R9>0
CCT: 3500K/4000K
Efficacy: 111 LPW
Input Voltage: 120-277V, 347V (using an accessory kit)
Wattage Range: 27/37.5/44.5 watts
Luminaire Lumen Depreciation: L70@ 50,000 hours (see next page for TM-21 calcs)
Limited Warranty: 5 Years

Certified by:



Please refer to the DLC QPL website for the latest and most complete information.
www.designlights.org/Qpl



Ordering Information¹ (Important: Please see note 1 below) :

R P L 2 4 A _ 4 X M M _ _ _ _ _ R M W H I T E _ _

Family	Fixture Type	Generation	Voltage	Nominal Lumens	Distribution	CRI / CRT	Controls ²	Mounting	Finish	OPTIONS ³
RPL = Refit™ Panel Light	24 = 2' x 4'	A = 1 st Generation	0 = 120-277V	4X = Nomial Lumen Level	MM = Med. Lambertian	835=80CRI,3500K 840=80CRI,4000K	VQ=0-10V Dimming	RM=RefitMount	WHTE=White	All options are ordered separately as accessories, please see below

Performance:

EXAMPLE CONFIGURATIONS	LUMINAIRE LUMENS (Switchable*)	LUMINAIRE TOTAL SYSTEM WATTS	LPW	QUICKSHIP
RPL24A04XMM835VQRMWHTE	3150/4150/4950	27/37.5/44.5	111	1-100 Units
RPL24A04XMM840VQRMWHTE	3150/4150/4950	27/37.5/44.5	111	1-100 Units

ACCESSORIES (ordered and sold separate)	DESCRIPTION CODE	PRODUCT CODE
347V kit	LFAMBADVQRM	93105260
EMBB kit	LFAMBA0VQRMEL	93105261
Wireless Enabled, Daintree Compatible kit (most commonly used option for Daintree)	LCAMBA0TQRM	93105263
Wireless Enabled, Daintree Compatible with Daintree WFA 100 kit (allows for field connectivity to remote sensor)	LCAMBA0TSRM	93105262
Wireless Enabled, Daintree Compatible + EMBB kit	LCAMBA0TQRMEL	93105265
Wireless Enabled, Daintree Compatible with Daintree WFA 100 + EMBB kit	LCAMBA0TSRMEL	93105264
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)	LCAMBA0TSRMB2	93105366
Digital Input Driver (does not have 0-10v input) that uses a field installed accessory (in the ceiling -not the fixture) that is Daintree compatible such as EZ Connect or Enterprise sensors	LCAMBA0SQRM	93105368
REPLACEMENT DIFFUSER(10 PACK)	RPL24A	93106304

Ordering Notes:

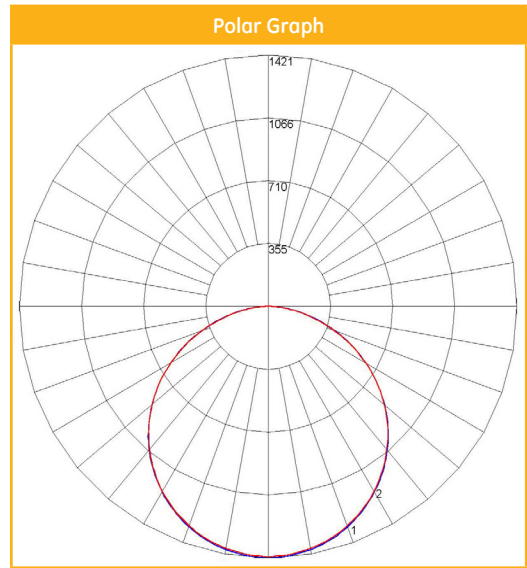
- ALL RPL UNITS ARE PRICED AS SINGLE UNITS AND MUST BE ORDERED AS SINGLE UNITS IN EVEN QUANTITIES AS THIS PRODUCT IS PACKED TWO PER BOX. IT SHOULD BE NOTED IN RECEIVING DOCUMENTS THAT ONE BOX HAS TWO UNITS AND SHOULD BE RECEIVED AS TWO UNITS.
- See accessories for wireless and sensor options.
- All options are accessories that are quickly and easily attached and/or wired to the luminaire in the field by the installer.
- Fixture is field configurable for three different lumen/wattage levels with a switch. Switch default is the middle level (4150 Lumens, 37.5 Watts).

current
powered by GE



Photometric Data: Lumination™ 2' x 4' RPL24 Series -Refit™ Panel Refit

Zonal lumen summary		Zonal lumen summary			
Zone	Lumens	Zone	Lumens	% of Lamp	% of Fixture
0-10	134.12	0-20	519.18	N.A.	12.50
10-20	385.06	0-30	1105.64	N.A.	26.60
20-30	586.46	0-40	1817.69	N.A.	43.80
30-40	712.05	0-60	3240.44	N.A.	78.10
40-50	744.66	0-80	4060.89	N.A.	97.90
50-60	678.10	0-90	4145.94	N.A.	99.90
60-70	519.89	10-90	4011.83	N.A.	96.70
70-80	300.56	20-40	1298.51	N.A.	31.30
80-90	85.05	20-50	2043.17	N.A.	49.20
90-100	0.86	40-70	1942.64	N.A.	46.80
100-110	0.44	60-80	820.45	N.A.	19.80
110-120	0.41	70-80	300.56	N.A.	7.20
120-130	0.43	80-90	85.05	N.A.	2.00
130-140	0.51	90-110	1.30	N.A.	0.00
140-150	0.50	90-120	1.70	N.A.	0.00
150-160	0.44	90-130	2.14	N.A.	0.10
160-170	0.31	90-150	3.15	N.A.	0.10
170-180	0.12	90-180	4.02	N.A.	0.10
		110-180	2.72	N.A.	0.10
		0-180	4149.96	N.A.	100.00



Product Specifications:

LED & Optical:

CRi: >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 Lumen Maintenance Data:
Estimated: L91>100,000 hrs
Reported: L94>60,000 hrs

Electrical system:

Input Voltage: 120-277, 347 VAC
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 accessories*

Ratings and Evaluations:

Operating Temperature: -20°C to +35°C
Storage Temperature: -40°C to +70°C
Surge protection: ANSI C82.77 Complaint
Location: Damp
Safety: UL/cUL Classified
Environmental: RoHS compliant
Utility: DLC™ Qualified Product Listed, check www.designlights.org/QpL for specific products

Construction & Finish:

Housing: Durable, long lasting construction. Steel, electrogalvanized, cold-rolled, commercial quality.
Lensing: Precision formed optical lens/diffuser and technically balanced for efficacy, and transmissivity. This offers smooth uniform light (no pixels or stripes) and no dark areas on lens.
Paint: Highly reflective matte finish
Weight: <11 pounds

Design Life & Warranty:

system Warranty: 5 Year
Minimum Luminaire Design Lifetime: 5 Years
Driver Design Lifetime: 5 year
Reliability Testing: Components and systems evaluation

Controls:

standard Dimming: 0-10VDC ANSI C137.x compliant
Minimum Dimming: 10% of rated lumen LED drive current
Wireless Networking and sensing Device Accessory Kits
Daintree One: Sensor is installed in the ceiling next to the fixture 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. Order
Daintree EZ Connect: Wireless Sensor is installed in the ceiling next to each fixture 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. No daylight harvesting 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 a smart device.
Daintree Enterprise: Wireless Sensor is installed in the ceiling next to each fixture with 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 luminaires (dropceilings)

Accessories:

Emergency Battery Accessory: Provides 90-minutes of Emergency lighting

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