

# TriGain® @ 1' x 4' Recessed Architectural

TriGain® (TriGain®) is a surface mount kit for recessed architectural lighting fixtures. It is designed to be used with TriGain® recessed architectural lighting fixtures. The kit includes a drywall mount and a surface mount kit for recessed architectural lighting fixtures.

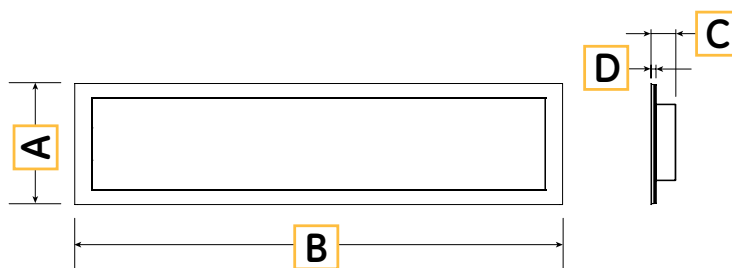


Project name \_\_\_\_\_  
 Date \_\_\_\_\_  
 Type \_\_\_\_\_

## Dimensions

Dimensions: A = 11.8in, B = 47.8in, C = 2.5in, D = 0.5in. The fixture is designed to fit into a standard recessed ceiling. The dimensions are provided in inches. The fixture is designed to be used with TriGain® recessed architectural lighting fixtures.

## Dimensions



A = 11.8in B = 47.8in C = 2.5in D = 0.5in

## Options

- LET = Lumination EdgeLit T-Grid
- 14 = 1' x 4'
- A = 1st Generation
- 0 = 120-277V, D = 347V
- XX = Nominal Lumen Level
- MM = Med. Lambertian
- T35 = TriGain, 3500K, T40 = TriGain, 4000K
- LT = T-Grid
- WHITE = White



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



**TriGain®**  
Technology

## Ordering

LET 14 A XX MM LT WHITE

FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI/CCT	CONTROLS	MOUNTING	FINISH	OPTIONS
LET = Lumination EdgeLit T-Grid	14 = 1' x 4'	A = 1st Generation	0 = 120-277V D = 347V	XX = Nominal Lumen Level	MM = Med. Lambertian	T35 = TriGain, 3500K T40 = TriGain, 4000K		LT = T-Grid	WHITE = White	(blank) = None CP = Chicago Plenum EL = Emergency Light B2 = Emergency Bypass <sup>2</sup> – Dual Shunt Relay to be used with building generator backup systems to override dimming

EXAMPLE CONFIGURATIONS	LUMINAIRE LUMENS	LUMINAIRE TOTAL SYSTEM WATTS	LUMINAIRE LPW <sup>5</sup>
LET14A015MMT35VQLTWHITE	1500	14	107
LET14A020MMT35VQLTWHITE	2000	18	111
LET14A030MMT35VQLTWHITE	3000	26	115
LET14A042MMT35VQLTWHITE	4200	37	114
LET14A050MMT35VQLTWHITE	5000	44	114
LET14A015MMT40VQLTWHITE	1500	14	107
LET14A020MMT40VQLTWHITE	2000	18	111
LET14A030MMT40VQLTWHITE	3000	26	115
LET14A042MMT40VQLTWHITE	4200	37	114
LET14A050MMT40VQLTWHITE	5000	44	114

### Ordering Notes:

- Contact manufacturer for lead times
- Most commonly ordered for Daintree Enterprise Wireless Enabled
- Test switch is remote mounted in the ceiling, EL option not available in 347V
- Contact manufacturer prior to ordering to confirm application
- Most Standard base SKU's are DLC, there are exceptions for 347V and EL for meeting PF and/or THD results. Please check the DLC QPL.

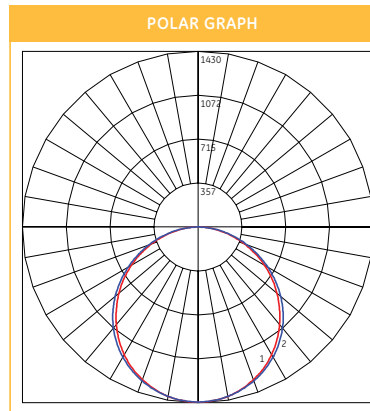
CONTROL OPTIONS	DESCRIPTIONS	REF DOCUMENT
VQ	0-10v Dimming	N/A
TQ	Daintree Enterprise Wireless Enabled <sup>2</sup>	
TS	Daintree Enterprise Wireless Enabled with Daintree WFA100	
TZ	Daintree Enterprise Wireless with fixture integrated sensor	
TT	Daintree EZ Connect Wireless with fixture integrated sensor	
T1	Daintree One with fixture integrated sensor with factory programmed preset <sup>4</sup>	
SQ	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 Daintree One, EZ Connect or Enterprise sensors	

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Drywall mount Kit 1' x 4'	GESK09	69068
1' x 4' Surface Mount kit for Recessed Architectural	A14 SMK	212461

# Photometric Data: LET14 Series

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	134.69
10-20	386.73
20-30	588.95
30-40	713.81
40-50	745.18
50-60	679.68
60-70	529.69
70-80	322.99
80-90	97.52
90-100	0.50
100-110	0.00
110-120	0.06
120-130	0.02
130-140	0.06
140-150	0.06
150-160	0.02
160-170	0.01
170-180	0.01

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	521.42	N.A.	12.40
0-30	1110.37	N.A.	26.40
0-40	1824.18	N.A.	43.40
0-60	3249.03	N.A.	77.40
0-80	4101.71	N.A.	97.70
0-90	4199.23	N.A.	100.00
10-90	4064.55	N.A.	96.80
20-40	1302.76	N.A.	31.00
20-50	2047.94	N.A.	48.80
40-70	1954.55	N.A.	46.50
60-80	852.68	N.A.	20.30
70-80	322.99	N.A.	7.70
80-90	97.52	N.A.	2.30
90-110	0.51	N.A.	0.00
90-120	0.57	N.A.	0.00
90-130	0.59	N.A.	0.00
90-150	0.71	N.A.	0.00
90-180	0.75	N.A.	0.00
110-180	0.24	N.A.	0.00
0-180	4199.98	N.A.	100.00



## Product Specifications:

### LED & Optical:

**CRIa:** >90 with TriGain® Technology  
**R9:** >90 with TriGain® Technology  
**Color Consistency:** Central limit 4-Step MacAdam Ellipse with LED recipe approach for tight unit to unit color control.  
**Rated Luminaire Lumen Depreciation:** L85@50,000 Hours  
**TM-21 LED Calculations:**  
**Estimated Lumen Maintenance:** L70 >100,000 hrs  
**Reported:** L85@54,000 hrs  
**Distribution:** Medium Lambertian

### Electrical:

**Input Voltage:** 120-277, 347 VAC  
**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 +35°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](http://www.designlights.org/QPL) for specific products.

### Construction & Finish:

**Housing:** Heavy duty aluminum extrusion with no mitered corners showing and a three dimensional stamped back panel for maximum support.  
**Lensing:** Engineered light guide and lens system  
**Paint:** Matt powder coat finish on housing  
**Weight:** 25 pounds

### Design Life & Warranty:

**System Warranty:** 5 Year  
**Luminaire Design Lifetime:** >10 Years  
**Driver Design Lifetime:** >10 year life of continuous operation, >100,000 hour design parameters.  
**Reliability Testing:** Components and systems evaluation

### Controls:

**Standard Dimming:** 0-10VDC ANSI C137.x compliant  
**Minimum Dimming:** 10% of rated lumen LED drive current. Contact manufacturer for other available options.  
**Optional Dimming:** Contact Manufacturer  
**Wireless Networking and Sensing Devices: \***  
**Daintree One** (sensor is ordered separate as an accessory and remote mounted in the ceiling): 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** (sensor is ordered separate as an accessory and remote mounted in the ceiling): 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. 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** (sensor is ordered separate as an accessory and remote mounted in the ceiling): 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*

### OPTIONS (Listed alphanumerically)

(blank) = None  
 CP = ChicagoPlenum  
 EL = Emergency Light<sup>1</sup>  
 B2 = Emergency Bypass<sup>1</sup>-Dual Shunt Relay to be used with building generator back up systems to override dimming

### Mounting:

**Typical Mounting:** Fits standard T-Bar grid (drop ceilings)  
**Wiring Access:** ½" trade-size KO's on a removable access plate provided  
**T-grid Clips:** T-grid clips included, with holes for seismic wires  
**Surface Mounting:** Surface mount kit available.

### Accessories & Options:

**Optional Emergency Battery:** Provides 90-minutes of Emergency lighting. **Note,** EL option is not available with 347V option. Initial design lumen output: 750 lumens.  
**Optional Chicago Plenum:** Openings in recessed fixture sealed per requirements for CCEA

For more information and access to all of our resources, including our design tool visit: [www.gecurrent.com](http://www.gecurrent.com)

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