

Project	
Notes	
Type	Date
Cat. No.	

LTR™ XE Series

LED Troffer Retrofit Kit

DESCRIPTION

The Aleo LTR™ XE Series Troffer Retrofit Kit delivers industry-leading performance with deep energy savings and continuous dimming. Easy and quick installation reduces labor cost and optimizes ROI. The retrofit kit eliminates the need to replace existing luminaire housing, which reduces install time and disposal/removal costs. The precision-formed diffuser produces comfortable and pleasant illumination, enhancing productive spaces in various applications.

APPLICATIONS

Provides architectural aesthetics for retail, schools, offices, healthcare, and other various commercial applications.

Specification Features

Construction

Simple construction with minimal parts allows for easy handling and installation. Luminaire features matte white durable finish.

Optical System

Reflector systems features highly reflective coating and delivers balanced, comfortable illuminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.

Certification

UL Classified. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium

Warranty

7-year Limited Warranty. See warranty documentation for more information.

Electrical

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped with luminaire quick-disconnect.

Installation / Mounting

Installs in most troffer luminaires. Retrofit kit fits within troffer and ceiling T-bar grid, eliminating need to remove existing fixture housing.

Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.



LTR Series

2x4 22W, 36W

2x2 25W, 30W

1x4 23W



Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 126 LPW
Continuous Dimming



Quick Ship

LTR-14LE-23/840 XE G3-HD
LTR-22LE-25/840 XE G3
LTR-22HE-30/840 XE G3
LTR-24LE-36/840 XE G3
LTR-24LE-36/840 XE G3-HD
LTR-24VLE-22/840 XE G3

Ordering Information

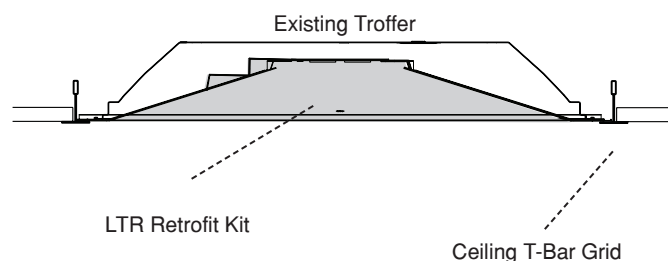
Example: LTR-22LE-25/840 XE G3

LTR	22	LE	25	8	40	[Blank]	[Blank]
Series LTR LED Troffer Retrofit Kit	Form Factor 24 2'x4' 22 2'x2' 14 1'x4' (HD)	Lumen Package VLE Very Low Wattage LE Low Wattage HE High Lumen	Nominal Wattage 2'x4' 22 22W 36 36W 2'x2' 25 25W 30 30W 1'x4' 23 23W	CRI 8 83+	Color Temp 40 4000K 50 5000K	Design Blank Model Kit Design HD Hinged Door Design	Input Voltage Blank 120V-277V
						[Blank]	Options
						Dimming Blank 0-10V Continuous Dimming	Emergency Backup EM700 700lm EM1400 1400lm

Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 126 LPW (typ.)
CRI	83+, R9 > 0
Available CCT ¹	3500K, 4000K, 5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ³	> 72,000 hours
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp	-20°C to 50°C

Mounting Information



Performance Data

Form Factor	Catalog No.	Rated Wattage (W)	Tested Wattage (W)	3500K ¹		4000K		5000K ¹	
				Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
2' x 4'	LTR-24VLE-22 XE G3	22	22.7	2948	134	2970	135	2992	136
	LTR-24LE-36 XE G3	36	36	4680	130	4758	132	4854	134
	LTR-24LE-36 XE G3-HD	36	36.7	4536	126	4572	127	4608	128
2' x 2'	LTR-22LE-25 XE G3	23	22.5	2944	128	3000	130	3013	131
	LTR-22HE-30 XE G3	30	27.7	3780	126	3840	128	3900	130
1' x 4'	LTR-14LE-23 XE G3-HD	23	-	2875	125	2944	128	2967	129

NOTES:

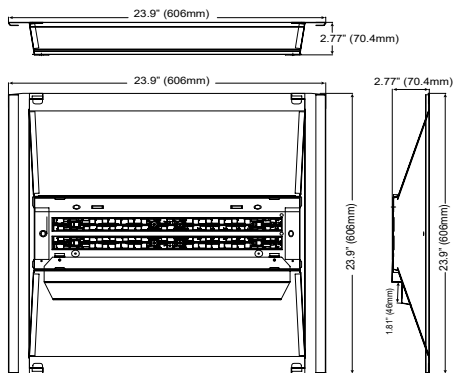
¹ Quick ship: 4000K. Other CCTs may require a lead time or be special order

² Typical color consistency. May vary or be changed.

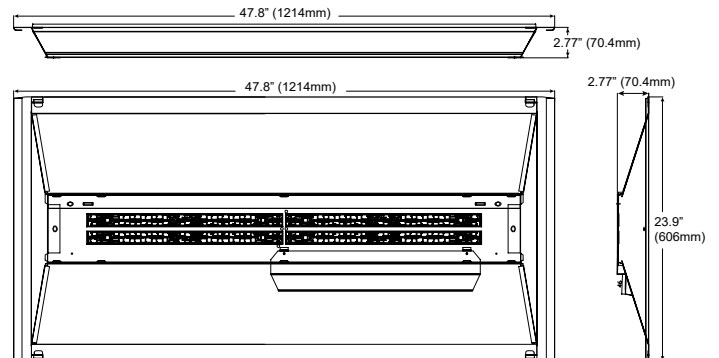
³ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers.

Product Dimensions

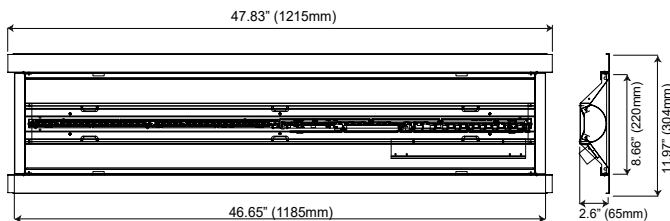
LTR-22



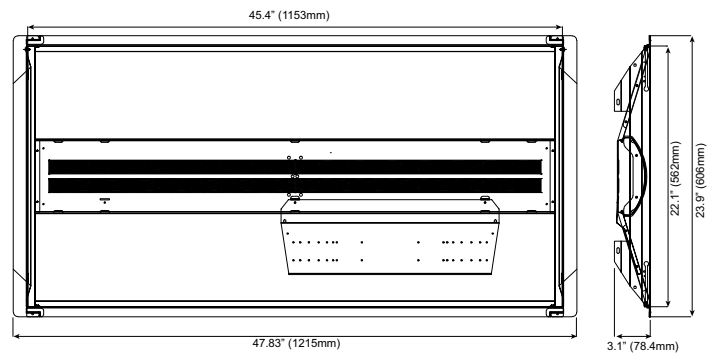
LTR-24



LTR-14LE-HD



LTR-24LE-HD



DLC QPL Data



QPL Model No.	Product ID	Technical Req.	Classification	Primary Use
LTR-14LE-23/840 XE G3-HD	PLK8KL5RXHKH	4.2	Premium	Integrated Retrofit Kits for 1x4 Luminaires
LTR-22LE-25/840 XE G3	PLQ1JP9VCBQ4	4.2	Premium	Integrated Retrofit Kits for 2x2 Luminaires
LTR-22HE-30/840 XE G3	PL533BQIC48J	4.2	Premium	Integrated Retrofit Kits for 2x2 Luminaires
LTR-24LE-36/840 XE G3	PVCG5J8S	4.2	Premium	Integrated Retrofit Kits for 2x4 Luminaires
LTR-24LE-36/840 XE G3-HD	PMM8MRRH	4.2	Premium	Integrated Retrofit Kits for 2x4 Luminaires
LTR-24VLE-22/840 XE G3	PL7ZF7WTY9R8	4.2	Premium	Integrated Retrofit Kits for 2x4 Luminaires
LTR-24VLE-24/840 XE G3	PWZG2MEP	4.2	Premium	Integrated Retrofit Kits for 2x4 Luminaires

aleoTM
LED LIGHTING

© 2017 Aleo Lighting, Inc. All rights reserved. For informational purposes only. Reproduction in whole or part is prohibited without prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequences of its use. Aleo Lighting reserves the rights make changes in specification at any time without notice.

Aleo Lighting, Inc.
www.aleolighting.com
13924 Bettencourt St.
Cerritos, CA 90703
Ph: 877-358-8825

Specifications and Dimensions subject to change without notice.