

## LED TROFFER

LT

CATALOG #:  
LT-24-L43/840-AF-DIM-BD-UNV

TYPE:

LED

PROJECT:

NOTES:

EXAMPLE

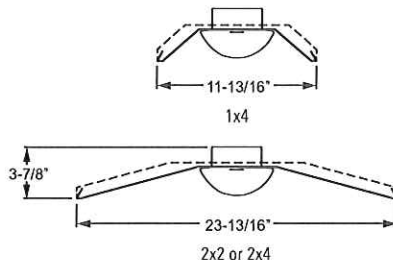
LT - 2 4 - L43/830 - AF - OPTIONS - DIM - UNV

SERIES  
 NOM. NOM.  
 W. L.  
 LUMEN  
 PACKAGE  
 CRI &  
 CCT  
 SHIELDING  
 OPTIONS  
 DRIVER  
 VOLTAGE



## FEATURES

- ▶ Average efficacy of 100+ lm/W
- ▶ Matte white paint and frosted lens provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Shallow housing depth
- ▶ Integral occupancy and daylight sensor available
- ▶ Rated for 50,000 hours at 85% lumen maintenance (L85)
- ▶ Minimum 82 CRI; 3000K, 3500K, or 4000K CCT
- ▶ This fixture is proudly made in the USA



## SPECIFICATIONS

**Housing/Reflector** – Precision die-formed 22-gauge C.R.S.

**Shielding** – Frosted acrylic.

**Finish** – Highly reflective non-glare matte white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

**Electrical** – High quality mid-power LED boards. L85 at 50,000 hours.

**Mounting** – NEMA Type "G". Surface mount accessory available, ordered separately.

**Labels** – cCSAus certified as luminaire suitable for dry or damp locations. DLC qualified products listed at [www.designlights.org](http://www.designlights.org).

**Warranty** – 5-year limited warranty, see [hewilliams.com/warranty](http://hewilliams.com/warranty).

## ORDERING INFORMATION

## SERIES

LT LED Troffer

## NOMINAL WIDTH

1 1' (4' length only)  
2 2'

## NOMINAL LENGTH

2 2' (2' width only)  
4 4'

## LED PACKAGE

EXAMPLE: L43/830			AVERAGE SYSTEM WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
1x4		830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K	
L30/	3,000		29
L47/	4,700		49
2x2			
L22/	2,200		21
L34/	3,400		36
2x4			
L30/	3,000		29
L43/	4,300		40
L73/	7,300	71	

Additional LED lumen packages available, see options.

## SHIELDING

AF Frosted acrylic

## OPTIONS

**EM/BSL310LP** Low-profile emergency LED driver, nominal 1,100 lumens module output in EM mode (120V-277V only)

**EQCLIPS** Earthquake clips (4 per fixture)

**OCC** Integral occupancy and daylight sensor: OCCPH LRI1655 120/277

**(L\_)** Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next *higher* lumen package.  
**Example:** 5,000 nominal lumens = LT-24-L73/840-(L50).

## ACCESSORIES

**SMK-W** Surface mount kit, white

## DRIVER

**DRV** Driver prewired for non-dimming applications

**DIM** Driver prewired for 0-10V low-voltage dimming applications

**SD40** 40% step-dimming driver (must specify 120V or 277V)

## VOLTAGE

120 120V  
277 277V  
UNV 120-277V



# LT

## LED

# LED TROFFER

### IMPORTANT:

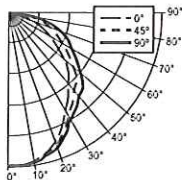
Electrostatic sensitive unit. Observe precautions when handling.

### PHOTOMETRY

Catalog #: LT-24-L43/830-AF-DIM-UNV

#### TEST REPORT INFORMATION

- ▶ Test Report #: 18667.0
- ▶ Date: 02/04/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 4205**
- ▶ **Watts: 40**
- ▶ **Lumens Per Watt: 106**
- ▶ **CRI: 82**
- ▶ **CCT: 3043K**



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle 0°	Horizontal Angle 45°	Horizontal Angle 90°	Zonal Lumens
0°	1510.	1510.	1510.	
5°	1514.	1514.	1516.	144.5
15°	1428.	1443.	1457.	409.1
25°	1258.	1301.	1336.	601.2
35°	1029.	1102.	1162.	690.5
45°	838.	954.	1044.	733.6
55°	589.	723.	827.	642.7
65°	377.	535.	644.	519.1
75°	191.	347.	425.	347.0
85°	54.	128.	113.	117.0
90°	0.	0.	0.	

#### LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 30°	1155.	27.5
0° - 40°	1845.	43.9
0° - 60°	3222.	76.6
0° - 90°	4205.	100.0
<b>Total Luminaire:</b>		
0° - 180°	4205.	100.0
IES Spacing Criteria: End = 1.1 Across = 1.2 Diagonal = 1.2		

### FIXTURE PERFORMANCE DATA

Catalog Number	Nominal Lumen Output <sup>1</sup>	Total Power (W) <sup>2</sup>	Luminaire Efficacy (lm/W)	CCT (K)	MINIMUM CRI
<b>1'x4' UNIT</b>					
LT-14-L30/830	2798	29	96.5	3000	82
LT-14-L30/835	2910 <sup>3</sup>	29	100.3	3500	82
LT-14-L30/840	3026 <sup>3</sup>	29	104.3	4000	82
LT-14-L47/830	4851	49	99.0	3000	82
LT-14-L47/835	4745	49	96.8	3500	82
LT-14-L47/840	5136	49	104.8	4000	82
<b>2'x2' UNIT</b>					
LT-22-L22/830	1955	21	93.1	3000	82
LT-22-L22/835	2033 <sup>3</sup>	21	96.8	3500	82
LT-22-L22/840	2115 <sup>3</sup>	21	100.7	4000	82
LT-22-L34/830	3252	36	90.3	3000	82
LT-22-L34/835	3424	36	95.1	3500	82
LT-22-L34/840	3559	36	98.9	4000	82
<b>2'x4' UNIT</b>					
LT-24-L30/830	2835	29	97.8	3000	82
LT-24-L30/835	2948 <sup>3</sup>	29	101.7	3500	82
LT-24-L30/840	3066 <sup>3</sup>	29	105.7	4000	82
LT-24-L43/830	4205	40	106.0	3000	82
LT-24-L43/835	4378 <sup>3</sup>	40	109.5	3500	82
LT-24-L43/840	4548 <sup>3</sup>	40	114.0	4000	82
LT-24-L73/830	6929	71	97.6	3000	82
LT-24-L73/835	7258	71	102.2	3500	82
LT-24-L73/840	7462	71	105.1	4000	82

Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.

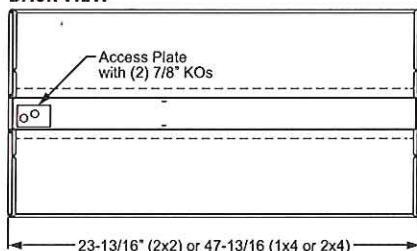
<sup>1</sup> Nominal lumen output based on 3500 CCT. Actual lumens may vary +/- 4% according to color temperature. See specific photometric test(s).

<sup>2</sup> Wattage shown is average for 120V through 277V input.

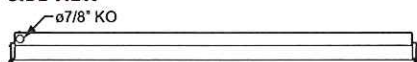
<sup>3</sup> Results scaled based on relative CCT output.

### FIXTURE DETAILS

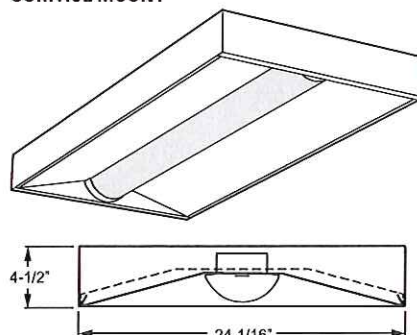
#### BACK VIEW



#### SIDE VIEW



#### SURFACE MOUNT



DLC qualified products listed at [www.designlights.org](http://www.designlights.org).

The U.S. Department of Energy's Lighting Facts<sup>®</sup> Program has verified product performance based on industry-standardized testing. For details, see H.E. Williams LT series at [www.lightingfacts.com](http://www.lightingfacts.com).



# NARROW LOW-PROFILE WRAP

17

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

EXAMPLE

17 - 4 - L55/840 - A - OPTIONS - DRV - UNV

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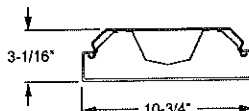
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## FEATURES

- Low-profile wrap-around provides uniform downward light distribution and subtle side illumination.
- Shallow depth provides sleek, low-profile appearance.
- Diffuser is secured continuously along luminaire sides.
- Mounts easily as a single fixture or in continuous row installations.
- Wireway is accessible without the use of tools.
- LED technology provides high efficacy and energy efficiency.
- Rated for 50,000 hours at 85% lumen maintenance (L85).
- Minimum 82 CRI; 3000K, 3500K, or 4000K CCT.
- This fixture is proudly made in the USA.



## ORDERING INFORMATION

### SERIES

17 Narrow Low-Profile Wrap

### NOMINAL LENGTH

2 2'  
4 4'  
8 8'

### LED PACKAGE

EXAMPLE: L55/840			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	AVERAGE SYSTEM WATTAGE
2' UNIT			
L27/	2,700	830 = 82 CRI, 3000K	24
4' UNIT			
L55/	5,500	835 = 82 CRI, 3500K	49
8' UNIT			
L110/	11,000	840 = 82 CRI, 4000K	99

Nominal lumen output based on 4000 CCT. Actual lumens may vary +/- 5%. See specific photometric test.

### SHIELDING

A Clear prismatic acrylic diffuser

### OPTIONS

See Information section for mounting accessories.

EM/BSL310 Emergency LED driver, nominal 1,000 lumens module output in EM mode (not available on 2' unit)

### DRIVER

DRV Driver prewired for non-dimming applications  
DIM Driver prewired for 0-10V low-voltage dimming applications

### VOLTAGE

120 120V  
277 277V  
UNV 120-277V

## SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S. End plates constructed of 19-gauge die-formed C.R.S.

**Shielding** – Clear prismatic acrylic diffuser with 15% DR additive, .100" nominal thickness. Prismatic bottom/continuous wrap sides.

**Finish** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

**Electrical** – High quality mid-power LED boards, L85 at 50,000 hours, 25°C maximum ambient operating temperature.

**Mounting** – Surface or suspended.

**Labels** – cCSAAs certified as luminaire suitable for dry or damp locations.

**Warranty** – 5-year limited fixture warranty, see [www.hewilliams.com/warranty](http://www.hewilliams.com/warranty).



**IMPORTANT:**

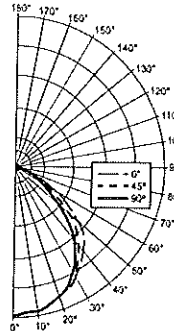
Electrostatic sensitive unit. Observe precautions when handling.

**PHOTOMETRY**

Catalog #: 17-4-L55/840-A-DRV-UNV

**TEST REPORT INFORMATION**

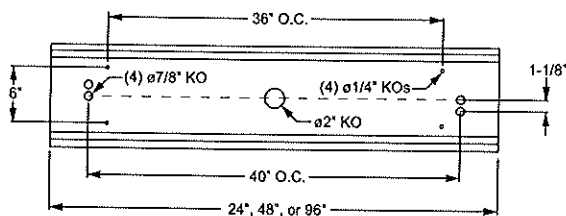
- ▶ Test Report #: 18320.0
- ▶ Date: 08/13/14
- ▶ Lamp Type: LED
- ▶ Rated Lumens: 5591
- ▶ Watts: 49
- ▶ Lumens Per Watt: 113.8
- ▶ CRI: 82
- ▶ CCT: 4026K

**CANDLEPOWER DISTRIBUTION**

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2338	2338	2338	
5°	2303	2305	2308	220.0
15°	2176	2193	2201	621.4
25°	2056	2054	2012	945.9
35°	1800	1736	1841	1087.2
45°	1517	1334	1144	1033.1
55°	955	792	616	700.1
65°	473	399	330	403.3
75°	189	195	221	213.2
85°	51	109	135	112.0
90°	6	54	84	
95°	0	49	76	49.2
105°	4	48	51	40.5
115°	12	41	48	36.7
125°	16	44	49	36.0
135°	19	47	49	32.5
145°	23	49	54	29.0
155°	23	44	47	18.7
165°	25	36	38	9.5
175°	26	29	29	2.7
180°	25	25	25	

**LUMEN SUMMARY**

Zone	Lumens	% Fixture
0° - 30°	1787	32.0
0° - 40°	2874	51.4
0° - 60°	4608	82.4
0° - 90°	5336	95.4
90° - 120°	126	2.3
90° - 130°	182	2.9
90° - 150°	224	4.0
90° - 180°	255	4.6
<b>Total Luminaire:</b>		
0° - 180°	5591	100.0
IES Spacing Criteria: End = 1.2 Diagonal = 1.2 Across = 1.2		

**FIXTURE DETAILS****BACK VIEW**

Note: Midsection punching for 4' and 8' units only.  
8' unit consists of duplicate 4' unit punching.