

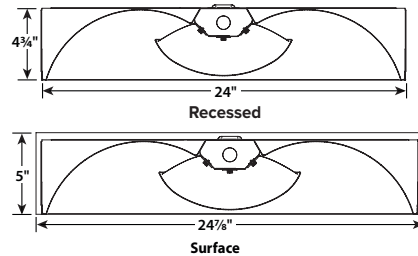
# LSTE24

2'X4' STRAUS® LED ARCHITECTURAL RECESSED

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## FEATURES

- Direct/indirect luminaire with popular metal perforated basket shielding
- LED modules and electrical accessible from below
- Precision optical design produces high efficiency in a high visual comfort architecturally styled direct/indirect distribution
- Optimized coating process and unique paint formulation provide exceptional reflectivity in a matte finish for a soft visual image and balanced basket and reflector illumination
- Completely recessed, provides a clean ceiling with uniform illumination at mounting heights as low as 8 feet
- QR code traceability
- Compatible with Dual-Lite inverters



## SPECIFICATIONS

### CONSTRUCTION

- Luminaire housing and end caps are die formed code gauge cold rolled steel
- The sturdy reflector is stiffened with linear forms, profiled to a precision curve
- Basket and all reflective surfaces are finished after fabrication with unique formula high reflectivity matte white paint for soft, uniform indirect illumination
- Basket hinges down for easy access to center wireway

### OPTICS

- Perforated basket with high transmission overlay for improved optical efficiency plus lamp obscuration
- Thermoplastic light traps snap into the housing at both ends of the basket to prevent light leaks

### INSTALLATION

- An access plate is furnished with each luminaire for fast wiring access without the necessity to open the fixture or wireway
- Luminaire fits recessed exposed Grid ceilings (G); four integral NEC compliant T-bar clips are standard
- Can be placed in Slot Grid (SG) style ceiling with regress 3/8" above ceiling plane

### INSTALLATION (CONTINUED)

- A Flange Kit (FK) accessory is available for recessed hard ceiling applications
- Surface Mount (SM) option allows placement below ceiling plane
- Cable Mount (CM) option allows suspension below ceiling plane

### ELECTRICAL

- 60,000 hour LEDs at L80 for reduced maintenance

### CERTIFICATIONS

- IC label is standard for recessed products. Note that IC label is void on HL, VL, and XL if product is installed on site with through wiring
- All luminaires are built to UL 1598 and 2108 standards, and bear appropriate cCSAus labels
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- Damp Location label standard
- Emergency-equipped fixtures are Dry Location unless specified
- Adheres to LM79, LM80, and TM21 industry standards

### CERTIFICATIONS (CONTINUED)

- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 4 for wiring diagram.
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- This product qualifies as both (i) a "domestic construction material" per FAR §52.225-9 Buy American-Construction Materials and a "(COTS) item" per FAR §2.101 and (ii) a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/01/2020.

### WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	2325–8575
Wattage Range	24–88
Efficacy Range (LPW)	90–108
Reported Life (Hours)	L80/60,000

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## ORDERING GUIDE

Example: LSTE24-35MLG-MPO-ESDU

CATALOG # \_\_\_\_\_

LSTE24				MPO			
Model	Color Temp	Delivered Lumens	Ceiling Type	Shielding	Driver	Voltage	
LSTE24 Stratus® LED Recessed Architectural	30 3000K	XW 2325-2525	G Grid Lay-in <sup>1</sup>	MPO Metal Perf w/Overlay	E Fixed Output	U 120-277V <b>347</b> 347V	
	35 3500K	VW 3275-3550	SM Surface Mount		ED 0-10V Dimming		
	40 4000K	MW 3625-3950	CM Cable Mount <sup>2</sup>		ED1 0-10V 1% Dimming		
	50 5000K	LW 4200-4550					ESD Step Dimming <sup>3</sup>
		ML 4725-5125					LUTH Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology <sup>3,4</sup>
		HL 5525-6000					
	VL 7025-7650						
	XL 7900-8575						
	See Product Availability Table on next page.						

### Options

- ELL14** Emergency Battery Pack Installed, 1400 Lumens<sup>3,4,5</sup>
- DTS** Dimming Bypass Module<sup>6</sup>
- C388** 3-Wire Flex
- C488** 4-Wire Flex
- C588** 5-Wire Flex
- GLR** Fast Blow Fuse
- CP** Chicago Plenum
- EOR** End of Row (SM and CM only. Provides end wiring access for continuous row mounting.)
- INT** Intermediate (SM and CM only. Provides ends with wiring access for continuous row mounting.)
- AM** Antimicrobial® Paint

### Accessories

- FK24** 2' x 4' Single Flange Kit (Shipped separately)
- CM48Y2SC3F-KIT** 48" Cable Mount Kit for 2' wide Cable Mount fixtures, 3 Wire

Notes:

- 1 For drywall, order G with Flange Kit Accessory.
- 2 Order hanger accessories separately
- 3 Not available in 347V
- 4 For compatability with Dual-Lite LiteGear® inverters, contact lighting representative
- 5 Not available on XL lumen packages
- 6 For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. Only available with 0-10V drivers. Universal voltage only. See page 4 for wiring diagram

For questions about configuration options, contact lighting representative

## PRODUCT EXCEPTIONS & DETAILS

Options listed below are available for the outputs as shown.

	XW	VW	MW	LW	ML	HL	VL	XL
E	X	X	X	X	X	X	X	X
ED	X	X	X	X	X	X	X	X
ED1	X	X	X	X	X	X	X	X
ESD			X	X	X	X	X	X
LUTH		X	X	X	X	X	X	

LUTH not available in 347V

Output	Lumens	Watts	LPW
XW	2325-2525	24	98-106
VW	3275-3550	33	99-108
MW	3625-3950	37	98-107
LW	4200-4550	43	98-106
ML	4725-5125	50	95-103
HL	5525-6000	61	91-98
VL	7025-7650	76	92-100
XL	7900-8575	88	90-98

Nominal lumen range represents 3000K through 5000K. Lumens vary according to color temperatures and other factors. See specific photometric test(s).

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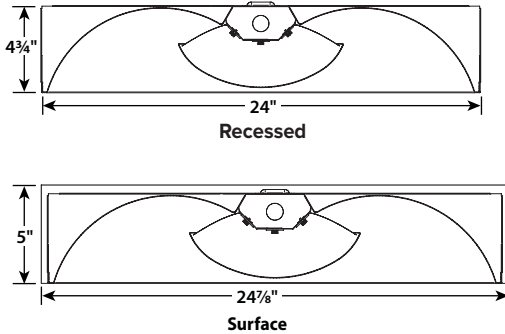
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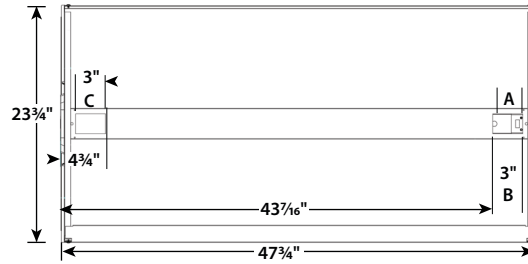
## DIMENSIONS

### GRID

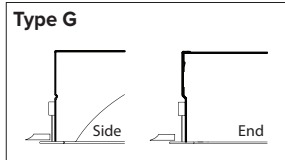


### Top View

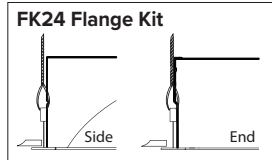
Surface Mount K.O. Dimensions  
 A: 7/8" K.O.  
 B: 2" x 3" Access (Cover Removed)  
 C: 2" x 3" Rectangular Knockout



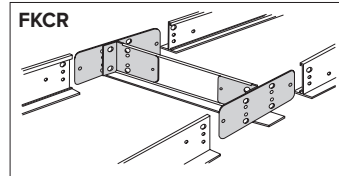
### CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.



For hard ceiling applications, order FK24 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

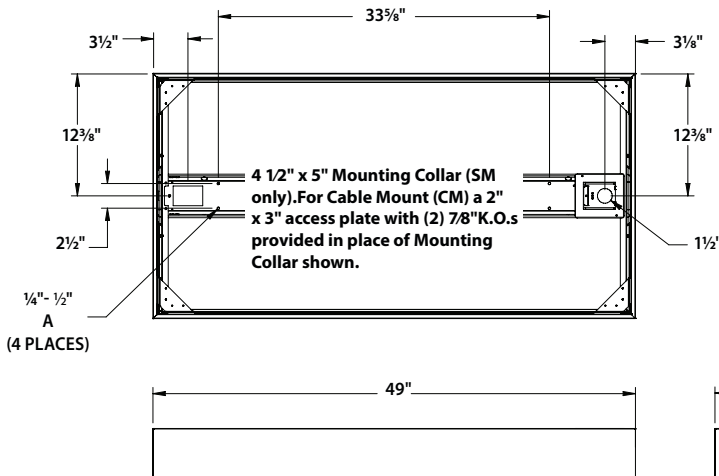


For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK24 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK24 & (1) FKCR)

Row cut out dimensions using FK24s & FKCR adapters:  
 Width 24 3/8", Length [48" x (# in row)] + 3/8".  
 Example: (48" x 2) + 3/8" = 96 3/8"

**Flange kit cut out dimension for single unit only: 24 3/8" x 48 3/8"**

### SURFACE OR CABLE MOUNT



### Surface Mount note:

Order SM ceiling type. Mounting collar required for surface mounting. (4) Mounting knock outs, 1/4" to 1/2" provided as shown, marked "A".

### Cable Mount note:

Order CM ceiling type. Access plate supplied for cable mounting or suspension. Use CM48Y2C3F-KIT 48" cable mount kit. Includes 3 wire feed cord. For other wiring needs, contact lighting representative.

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

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## PHOTOMETRY

### LSTE24-35LWG-MPO-EDU

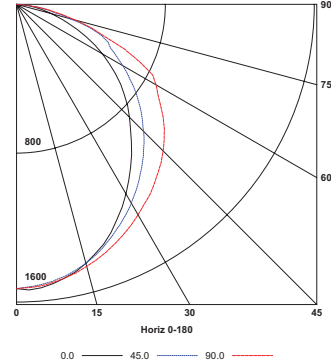
#### LUMINAIRE DATA

Test No.	16062
Description	LSTE Stratus E-Series LED, Recessed Architectural 2x4 with Perforated Basket and Overlay
Delivered Lumens	4285
Watts	43.20
Efficacy	99
Mounting	Recessed
Spacing Criterion	0° = 1.15 90° = 1.27

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1158	27.0
0-40	1880	43.9
0-60	3337	77.9
0-90	4285	100.0
0-180	4285	100.0

#### POLAR GRAPH



### LSTE24-35MLG-MPO-EDU

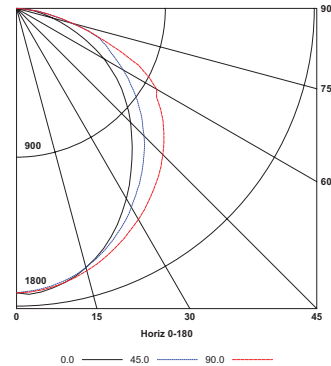
#### LUMINAIRE DATA

Test No.	16063
Description	LSTE Stratus E-Series LED, Recessed Architectural 2x4 with Perforated Basket and Overlay
Delivered Lumens	4818
Watts	49.60
Efficacy	97
Mounting	Recessed
Spacing Criterion	0° = 1.15 90° = 1.28

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1303	27.0
0-40	2116	43.9
0-60	3757	78.0
0-90	4818	100.0
0-180	4818	100.0

#### POLAR GRAPH



### LSTE24-35HLG-MPO-EDU

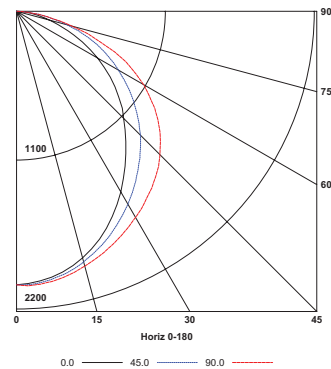
#### LUMINAIRE DATA

Test No.	16064
Description	LSTE Stratus E-Series LED, Recessed Architectural 2x4 with Perforated Basket and Overlay
Delivered Lumens	5630
Watts	61.40
Efficacy	92
Mounting	Recessed
Spacing Criterion	0° = 1.14 90° = 1.30

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1536	27.3
0-40	2498	44.4
0-60	4425	78.6
0-90	5630	100.0
0-180	5630	100.0

#### POLAR GRAPH



## ADDITIONAL INFORMATION

### DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)

