

# LEDVANCE T5HO Programmed Rapid Start

Normal Ballast Factor

120-277 Volt High Efficiency

### Lamp/Ballast Guide

T5 HO Ballasts 120-277V PSN

**4-Lamp 54W HO Model:**  
LHE4X54T5HOUNVPSNHTSCLDOE

**2-Lamp 54W Model:**  
LHE2x54T5HOUNVPSNHT

Primary lamps: 54W T5HO

Also operates:

FP54/SS, FT50DL, FT55DL, FPC55

1 or 2 lamps on 2L ballasts

1, 2, 3 or 4 lamps on 4L ballast

**2-lamp 39W/24W model:**

LHE2X3924T5HOUNVPSN

Primary Lamp: 39W T5 HO

Also operates: F24, F39/SS, F24/SS

### Application Information

These LEDVANCE High Efficiency ballasts are ideally suited for:

- Commercial and Industrial
- Retail and Office
- Hospitality and Institutional
- Maintenance Replacement



SHOWN PACKAGED

Scan or click QR code to access TLED Ballast Compatibility Listing



### Ordering Information

Item Number	Description	# of Lamps	Primary Lamp (W)	Lamp Family	Line Voltage	Starting Method	Ballast Factor	Case Ambient Temp.	Case Size	Packaging
75872	LHE4X54T5HOUNVPSNHTSCLDOE	4	54	T5 HO	UNV	PS	N	High	SCL	4/CS 1/SKU
75893	LHE2X54T5HOUNVPSNHT	2	54	T5HO	UNV	PS	N	High	SCL	10/CS 1/SKU
75895	LHE2X3924T5HOUNVPSN	2	39	T5HO	UNV	PS	N	Normal	SCL	10/CS 1/SKU

### Electrical Specifications at 120-277V

Item Number	Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens (lm)	Mean Lumens (lm)	Input Power (W)	System Efficacy (lm/W)	BEF*
75872	LHE4X54T5HOUNVPSNHTSCLDOE	1.8/0.79	FP54T5HO	5000	4	1.00	20400	18972	224/217	99/98	0.47/0.48
		1.4/0.61	FP54T5HO	5000	3	1.00	15150	14090	169/165	99/97	0.62/0.63
		1.00/0.52	FP54T5HO	5000	2	1.00	10200	9486	120/117	99/97	0.83/0.85
75893	LHE2X54T5HOUNVPSNHT	1.00/0.43	FP39T5HO	5000	2	1.00	10000	9300	119/116	86	0.86
		0.53/0.23	FP39T5HO	5000	1	1.05	5250	4885	62/61	86	1.72
		0.71/0.31	FP24T5HO	3500	2	1.00	7000	6510	83/81	86	1.23
75895	LHE2X3924T5HOUNVPSN	0.37/0.19	FP24T5HO	3500	1	1.01	3535	3288	42/42	84	2.4
		0.44/0.19	FP24T5HO	3500	2	1.00	4000	3720	54/53	75	1.89
		0.23/0.10	FP24T5HO	3500	1	1.01	2020	1879	29/29	70	3.48

\*Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power  
277V 60Hz data



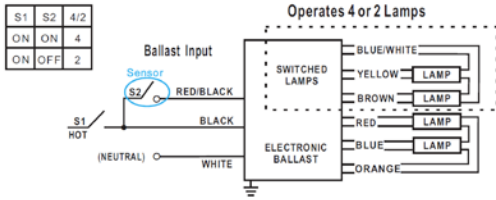
ECS310R2 4-25

# Wiring Diagrams

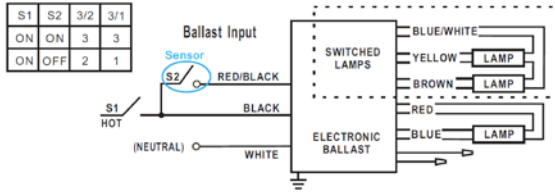
CAP ALL UNUSED LEADS

For model: 75872

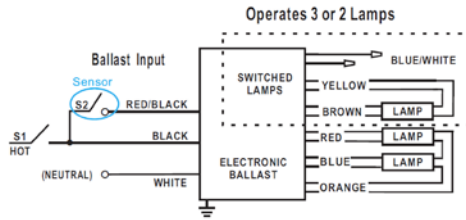
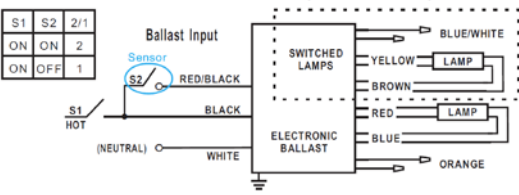
4 Lamp Switching (4L to 2L)



3 Lamp Switching (3L to 2L, 3L to 1L)

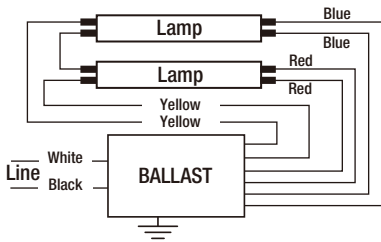


2 Lamp Switching (2L to 1L)



NOTE: S2 IS THE OCCUPANCY SENSOR OR WALL SWITCH IF ONE IS BEING USED FOR STEP DIMMING. REFER TO INSTALLATION NOTES BELOW.

For models: 75893/75895



**Dimensions:**

Overall: 16.75"L x 1.8"W x 1.2"H  
 (425.45mm L x 45.72mm W x 30.48mm H)  
 Mounting: 16.3" (414.02mm)  
 Weight: 3.0 lbs. each (approx.)

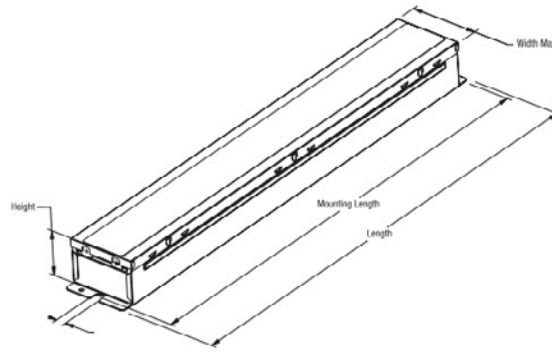
**Packaging:**

**For 75872 LHE4X54T5HOUNVPSNHTSCLDOE model:**  
 Quantity: 4 per case /1 per SKU  
 Type: Retail Friendly, Shrink-wrapped case, shrink-wrapped SKU with installation guide.  
 Weight: 12.43 per case (approx)  
 Note: Full Case Required at purchase and/or return.

**For 75873/75895 Models:**

Quantity: 10 per case / 1 per SKU  
 Trade friendly, brown box sold in SKU  
 Weight: 1.10 lbs each SKU

Note: Leads only. (No connectors provided).



Type
Catalog #
Project
Comments
Prepared by

**Performance Guide**

Data based on fluorescent lamps listed. LHE Programmed Rapid Start ballast is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

**Specifications**

**Starting Method:** Programmed Rapid Start  
**Ballast Factor:** 1.0  
**Circuit Type:** Series  
**Lamp Frequency:** >42 kHz  
**Input Frequency:** 50/60 Hz  
**Low THD:** <10%  
**Power Factor:** >98% @120V 4, 3 and 2L @277V >97% 4L, >92% 3L, >92% 2L  
**Lamp CCF:** <1.7  
**Voltage Range:** ±10% rated input (108-305V) AC

**Operating Temperatures**

**Starting Temperature:** -20°F (-29°C)  
**Case Temp:**  
 194F (90C) Max (3yr Warranty)  
 158F (70C) Max (5yr Warranty)  
**Max Ambient Temp.:** 131°F (55°C)

**Product Ratings**

DOE Compliant  
 UL Listed Class P, Type 1, Outdoor,  
 FCC Part 18 Non-Consumer  
 Class A Sound Rating  
 ANSI C62.41 Cat. A Transient Protection  
 RoHS Compliant<sup>1</sup>  
 No PCBs.  
 Type CC, Type HL  
<sup>1</sup> Complies with European Union Restriction of Hazardous Substances (Directive 2002/95/EC)

**Installation Notes**

- Ground ballast case
- Install in accordance with National Electrical Codes
- Insulate unused leads for 600V
- Remote Mounting- 18ft. max Lead Length 18AWG
- Input wiring for non-switching operation  
 Connect Red/Black wire to Black wire for ALL Lamps ON (no S2)
- Input wiring for Occupancy Sensors  
 Install occupancy sensor between Red/Black wire. S2 is the occupancy sensor

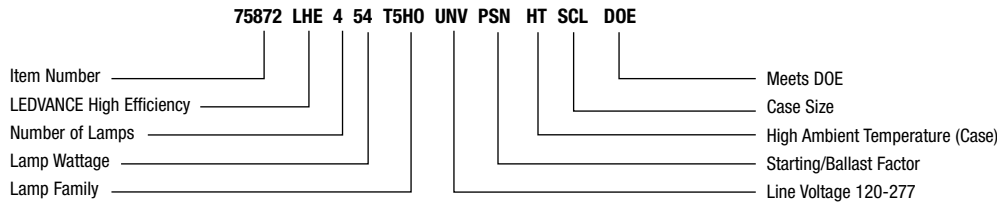
**Warranty**

LEDVANCE ballasts carry a five-year warranty from date of manufacture. For additional details, check out the latest Warranty Bulletin on our website [ledvanceUS.com](http://ledvanceUS.com)



SCAN OR CLICK OR CODE TO ACCESS WARRANTY.

**Ordering Guide**



Products distributed by LEDVANCE LLC

LEDVANCE LLC  
 181 Ballardvale Street, Suite 203  
 Wilmington, MA 01887 USA  
 Phone 1-800-LIGHTBULB (1-800-544-4828)  
[www.ledvanceUS.com](http://www.ledvanceUS.com)

LEDVANCE is a registered trademark.  
 All other trademarks are those of their respective owners.  
 Specifications subject to change without notice.



SCAN TO FOLLOW US ON SOCIAL MEDIA

