

**SUBMITTAL:**

**T5 | T8**

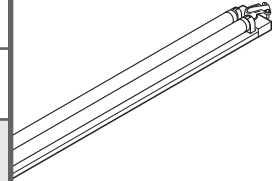
**JOB:**

**TYPE:**

**VOLTAGE:**

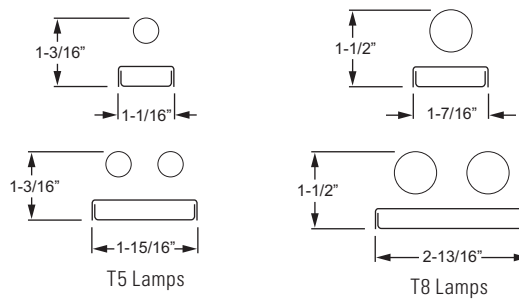
**EXAMPLE** **72 - 4 - 1 54T5H - OPTIONS - EB1\*OS - UNV**

SERIES    NOMINAL LENGTH    TOTAL LAMPS    WATTAGE/TYPE    ACCESSORIES    BALLAST TYPE    VOLTAGE



## FEATURES

- ▶ Extremely shallow profile and remote ballast allow for use in confined spaces—ideal for cove lighting.
- ▶ Up to 97% efficient.
- ▶ Remote-mount ballast box is connected to the fixture with 3/8" flex conduit.
- ▶ Factory-mounted, prewired sockets reduce installation time.
- ▶ Quick-connect is standard between fixture and ballast box for easy plug-and-play installation.
- ▶ Special reflectors available for precise light distribution (see 72REFL specification sheet).
- ▶ This fixture is proudly made in the USA.



## SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.  
**Ballast Box** – 18-gauge galvanized steel.  
**Housing Finish** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All C.R.S. parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.  
**Electrical** – All ballast types may not be available. Consult factory for options other than those listed. Note: EM ballasts not available on 72 Series.  
**T5 Program Start:** Electronic program start ballast, rated Class P. Includes 9' flexible whip. 1- or 2-lamp only. T8 Instant Start: Electronic instant start ballast, rated Class P. Includes 12' flexible whip (11' whip length on 72-8). T8 Program Start: Electronic program start ballast, rated Class P. 1- or 2-lamp only. Includes 2-1/2' flexible whip. 1- or 2-lamp only.  
**Mounting** – Surface mount.  
**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

## ORDERING INFORMATION

### SERIES

**72** Low-Profile Remote Ballast Strip

### NOMINAL LENGTH

8' maximum nominal fixture length.

**2** 2'  
**3** 3'  
**4** 4' (4' lamps only)  
**6** 6' (3' lamps only)  
**8** 8' (4' lamps only)

### TOTAL LAMPS

**1, 2, or 4** (1- or 2-lamp cross-section only. 4-lamp option is available with instant start T8 ballasts only.)

### LAMP WATTAGE/TYPE

Not for use with energy saving/reduced wattage lamps.

**14T5S** 2', 14-watt T5  
**17** 2', 17-watt T8  
**24T5H** 2', 24-watt T5HO  
**21T5S** 3', 21-watt T5  
**25** 3', 25-watt T8  
**39T5H** 3', 39-watt T5HO  
**28T5S** 4', 28-watt T5  
**32** 4', 32-watt T8  
**54T5H** 4', 54-watt T5HO

### ACCESSORIES

For compatible reflectors (ordered separately), see 72REFL specification sheet.

### BALLAST TYPE

See detailed ballast types and compatible dimming ballast tables on following pages.

**Note: EM ballasts not available on 72 Series.**

### VOLTAGE

**UNV** 120-277V

#### BALLAST TYPE & WHIP LENGTH (Effective July 29, 2010, subject to change without notice.)

The information provided in the tables below (effective July 29, 2010) is intended to be a general guide to ballast options and whip lengths. The degree of accuracy is reliant solely on information provided by ballast manufacturers and is subject to change without notice.

T5S					
Catalog Number	Ballast Type	Ballast Options			Whip Length (in feet)
		Advance (Example: EB1*AD)	Osram (Example: EB1*OS)	ULT (Universal) (Example: EB1*UT)	
72-2-114T5S	EB1*___		•	•	9'
72-2-214T5S	EB2*___		•	•	9'
72-3-121T5S	EB1*___		•	•	9'
72-3-221T5S	EB2*___		•	•	9'
72-4-128T5S	EB1*___		•	•	9'
72-4-228T5S	EB2*___		•	•	9'
72-6-221T5S	EB2*___		•	•	9'
72-8-228T5S	EB2*___		•	•	9'

T5HO					
Catalog Number	Ballast Type	Ballast Options			Whip Length (in feet)
		Advance (Example: EB1*AD)	Osram (Example: EB1*OS)	ULT (Universal) (Example: EB1*UT)	
72-2-124T5H	EB1*___		•	•	9'
72-2-224T5H	EB2*___		•	•	9'
72-3-139T5H	EB1*___		•	•	9'
72-3-239T5H	EB2*___		•	•	9'
72-4-154T5H	EB1*___		•	•	9'
72-4-254T5H	EB2*___		•	•	9'
72-6-239T5H	EB2*___		•	•	9'
72-8-254T5H	EB2*___		•	•	9'

T8 Instant Start					
Catalog Number	Ballast Type	Ballast Options			Whip Length (in feet)
		Advance (Example: EB1*AD)	Osram (Example: EB1*OS)	ULT (Universal) (Example: EB1*UT)	
72-2-117	EB1*___	•	•	•	12'
72-2-217	EB2*___	•	•	•	12'
72-3-125	EB1*___	•	•	•	12'
72-3-225	EB2*___	•	•	•	12'
72-4-132	EB1*___	•	•	•	12'
72-4-232	EB2*___	•	•	•	12'
72-6-225	EB2*___	•	•	•	12'
72-6-425	EB2/2*___	•	•	•	12'
72-8-232	EB2*___	•	•	•	11'
72-8-432	EB4*___	•	•	•	11'
72-8-432	EB2/2*___	•	•	•	11'

T8 Program Start					
Catalog Number	Ballast Type	Ballast Options			Whip Length (in feet)
		Advance (Example: EB1*AD)	Osram (Example: EB1*OS)	ULT (Universal) (Example: EB1*UT)	
72-2-117	EB1*___	•	•	•	2-1/2'
72-2-217	EB2*___	•	•	•	2-1/2'
72-3-125	EB1*___	•	•	•	2-1/2'
72-3-225	EB2*___	•	•	•	2-1/2'
72-4-132	EB1*___	•	•	•	2-1/2'
72-4-232	EB2*___	•	•	•	2-1/2'
72-6-225	EB2*___	•	•	•	2-1/2'
72-8-232	EB2*___	•	•	•	2-1/2'

For compatible dimming ballasts, see next page.



**COMPATIBLE DIMMING BALLASTS & WHIP LENGTHS** (Effective July 29, 2010, subject to change without notice.)

The information provided in the tables below (effective July 29, 2010) is intended to be a comprehensive guide for compatible dimming ballast options and whip lengths. The degree of accuracy is reliant solely on information provided by ballast manufacturers and is subject to change without notice.

T5S																	
Catalog Number	Ballast Type <sup>1</sup>	Advance IOPSD		Osram PHO DIM		ULT HWSD		ULT 95SD		ULT SUPERDIM		Lutron ECO		Lutron Ecosystem		Lutron Hi-Lume 3D	
		Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length
72-2-114T5S	EBD1*__					•	5'			•	2'	•	4'	•	4'	•	4'
72-2-214T5S	EBD2*__					•	5'	•	5'	•	3'	•	4'	•	4'	•	4'
72-3-121T5S	EBD1*__					•	4'			•	2'	•	3'	•	3'	•	3'
72-3-221T5S	EBD2*__					•	4'	•	4'	•	4'	•	3'	•	3'	•	3'
72-4-128T5S	EBD1*__	•	2'			•	3'					•	2'	•	2'	•	2'
72-4-228T5S	EBD2*__	•	2'			•	3'	•	3'	•	3'	•	2'	•	2'	•	2'
72-6-221T5S	EBD2*__																
72-8-228T5S	EBD2*__																

T5HO																	
Catalog Number	Ballast Type <sup>1</sup>	Advance IOPSD		Osram PHO DIM		ULT HWSD		ULT 95SD		ULT SUPERDIM		Lutron ECO		Lutron Ecosystem		Lutron Hi-Lume 3D	
		Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length
72-2-124T5H	EBD1*__											•	4'	•	4'	•	4'
72-2-224T5H	EBD2*__											•	4'	•	4'	•	4'
72-3-139T5H	EBD1*__											•	3'	•	3'	•	3'
72-3-239T5H	EBD2*__											•	3'	•	3'	•	3'
72-4-154T5H	EBD1*__			•	2'							•	2'	•	2'	•	2'
72-4-254T5H	EBD2*__			•	2'							•	2'	•	2'	•	2'
72-6-239T5H	EBD2*__																
72-8-254T5H	EBD2*__																

T8																			
Catalog Number	Ballast Type <sup>1</sup>	Advance Mark 7		Advance Mark 10		Advance ILV		Osram Powersense		ULT BallaStar		ULT SUPERDIM		Lutron ECO		Lutron Ecosystem		Lutron Hi-Lume 3D	
		Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length	Available	Whip Length
72-2-117	EBD1*__	•	3'	•	3'	•	3-1/2'	•	5'			•	5'	•	4'	•	4'	•	4'
72-2-217	EBD2*__	•	3'	•	3'	•	3-1/2'	•	5'			•	5'	•	4'	•	4'	•	4'
72-3-125	EBD1*__	•	2'	•	2'	•	2-1/2'	•	4'	•	8'	•	4'	•	3'	•	3'	•	3'
72-3-225	EBD2*__	•	2'	•	2'	•	2-1/2'	•	4'			•	4'	•	3'	•	3'	•	3'
72-4-132	EBD1*__					•	1-1/2'	•	3'	•	7'	•	3'	•	2'	•	2'	•	2'
72-4-232	EBD2*__					•	1-1/2'	•	3'	•	7'	•	3'	•	2'	•	2'	•	2'
72-6-225	EBD2*__																		
72-6-425 <sup>2</sup>	EBD2/2*__																		
72-8-232	EBD2*__									•	3'								
72-8-432 <sup>2</sup>	EBD4*__																		
72-8-432 <sup>2</sup>	EBD2/2*__									•	3'								

<sup>1</sup> Insert manufacturer's code provided below.

<sup>2</sup> For use with T8 instant start ballasts only.

**BALLAST MANUFACTURER'S CODE**

<b>AD</b>	Advance	<b>LU</b>	Lutron
<b>OS</b>	Osram	<b>UT</b>	ULT (Universal)

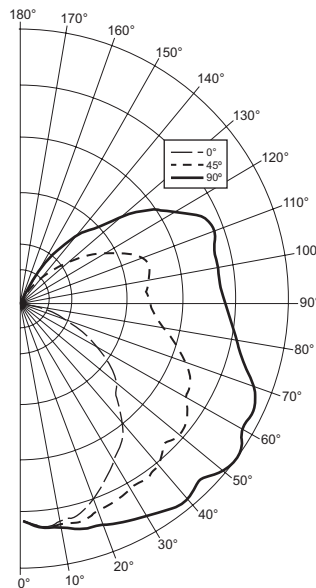
Example: 72-4-154T5H-EBD1\*OS-UNV

For photometry, see next page.

### PHOTOMETRY INFORMATION

#### TEST REPORT INFORMATION

- ▶ Test Report #: 15586.0
- ▶ Date: 06/29/10
- ▶ Lamp Type: FP54T5HO
- ▶ Lamp Quantity: 1
- ▶ Rated Lumens: 5000.



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	663.	663.	663.	
5°	683.	684.	687.	65.3
15°	666.	690.	714.	195.7
25°	598.	667.	737.	308.9
35°	524.	656.	771.	409.2
45°	402.	610.	766.	461.6
55°	319.	614.	808.	529.7
65°	206.	565.	780.	530.6
75°	92.	480.	695.	471.2
85°	12.	404.	636.	404.8
90°	0.	389.	618.	
95°	0.	380.	605.	379.6
105°	0.	400.	608.	374.8
115°	0.	355.	610.	326.1
125°	0.	258.	494.	224.1
135°	0.	158.	330.	122.4
145°	0.	85.	213.	57.6
155°	0.	21.	80.	14.1
165°	0.	0.	18.	1.8
175°	0.	0.	0.	0.0
180°	0.	0.	0.	

#### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.70	.80	.90	.70	.80	.90	.70	.80	.90
0	1.09	1.09	1.09	1.03	1.03	1.03	.92	.92	.92
1	.96	.91	.85	.91	.85	.81	.76	.72	.69
2	.86	.77	.69	.81	.73	.66	.64	.59	.54
3	.78	.67	.58	.73	.63	.55	.56	.49	.44
4	.71	.58	.49	.66	.55	.47	.49	.42	.37
5	.64	.51	.42	.60	.48	.40	.43	.36	.30
6	.59	.45	.36	.55	.43	.34	.38	.31	.26
7	.54	.41	.32	.51	.38	.30	.34	.27	.22
8	.50	.36	.28	.47	.34	.27	.31	.24	.19
9	.46	.33	.25	.43	.31	.23	.27	.21	.16
10	.43	.30	.22	.40	.28	.21	.25	.19	.14

Effective Floor Cavity Reflectance = .20

#### LUMEN SUMMARY

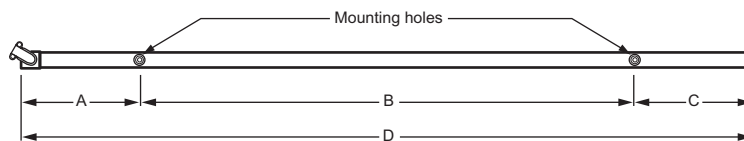
Zone	Lumens	% Lamp	% Fixture
0 - 30	570.	11.4	11.7
0 - 40	979.	19.6	20.1
0 - 60	1970.	39.4	40.4
0 - 90	3377.	67.5	67.5
90 - 120	1080.	21.6	22.2
90 - 130	1304.	26.1	26.7
90 - 150	1484.	29.7	30.4
90 - 180	1500.	30.0	30.8
<b>Total Luminaire:</b>			
0 - 180	4877.	97.5	100.0

Total Luminaire Optical Efficiency: **97.5%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.5  
 Across = 1.8

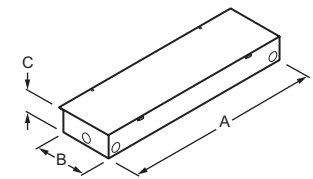
### FIXTURE DETAILS

#### DIMENSIONS

Nominal Fixture Length	T5 Fixtures				T8 Fixtures			
	A	B	C	D	A	B	C	D
2'	4-5/8"	16"	3-3/16"	23-13/16"	4-5/8"	16"	4-5/8"	25-1/4"
3'	6-5/8"	24"	4-7/8"	35-1/2"	6-5/8"	24"	6-5/8"	37-1/4"
4'	8-5/8"	32"	6-5/8"	47-1/4"	8-5/8"	32"	8-5/8"	49-1/4"
6'	9-5/8"	54-5/8"	5-11/16"	69-15/16"	9-5/8"	54-5/8"	9"	73-1/4"
8'	12-5/8"	72-5/8"	8-3/16"	93-7/16"	12-5/8"	72-5/8"	12"	97-1/4"



#### REMOTE BALLAST BOX DETAILS



No. of Ballasts	Dimensions		
	A	B	C
1 ballast	19"	3-1/4"	1-5/8"
2 ballasts	19"	8"	1-5/8"

