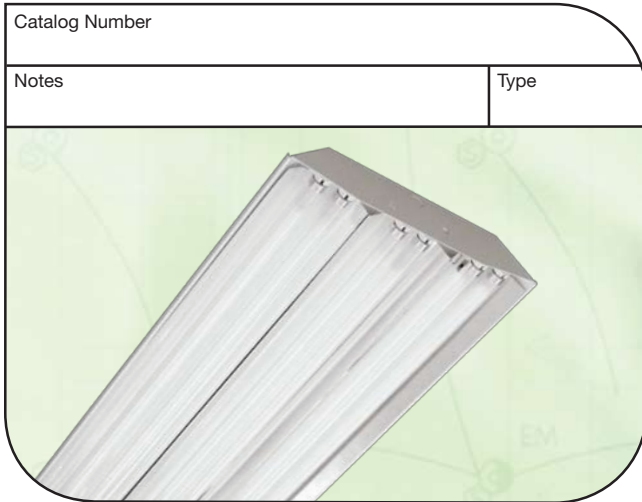


# Elite Fluorescent High Bay T8/T5



ARRA Qualified



**Elite Fluorescent High Bay T8 and T5 Series**

<p><b>Maintenance</b> No tools required for lamp and ballast access.</p> <p><b>Installation</b> Suspension by chain, cable, hook or monopoint with appropriate accessories.</p>	<p><b>Warranty</b> One year warranty against defect in manufacturing. See warranty page for extension options.</p> <p><b>Listing</b> UL/cUL Listed - Suitable for damp locations.</p>
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### Application

The Elite's superior lumen package is ideal for replacing traditional high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 15' - 40' with primary applications including "Big Box" retail, warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Elite's heavy duty 20 gauge housing exceeds code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Elite is available using a 95% reflectance specular aluminum (SA) Miro®4 or a 92% reflectance white aluminum (WA) reflector, which have a 25 year warranty. The reflector options include upright or non-upright, depending on the application.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

## Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
EL4 - 4' Elite	SA - Narrow Distribution WA - Wide Distribution	3	28 - (T8 28W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start) DIM - (Dimming) CS - (Cold Start)	(See Below)
		4	32 - (T8 32W)	347	N - (T8 Normal)		
	5	54 - (T5HO 54W)	480	L - (T8 Low)			
	6		480X - Step Down	V - (T5HO)			
	8		480Y - Step Down for 5, 6 Lamp T5 and 8 Lamp T8				
	Add "U" for upright			480XX - Step Down for 8 Lamp T5		*UNI and step down only	

### OPTIONS (Add to catalog number in order shown)

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                             |
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| <p><b>1 Power Cords</b><br/> <b>6C</b> - 6' PCord 300V 16/3 SJTOOW NO PLUG<br/> <b>6C4</b> - 6' PCord 300V 18/4 SJTOW NO PLUG<br/> <b>6W</b> - 6' WHIP PCord 600V 16/3 NO PLUG<br/> <b>2P</b> - 8' PCord 125V 15A 16/3 SJTOOW NEMA 5-15P<br/> <b>3P</b> - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P<br/> <b>4T</b> - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P<br/> <b>8T</b> - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P<br/> <b>9T</b> - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P<br/> <b>10T</b> - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P<br/> <b>10T2</b> - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P<br/> <b>10C</b> - 10' PCord 277V SJTOOW NO PLUG<br/> <b>10C6</b> - 10' PCord 600V 15A 16/3 STOW NO PLUG<br/> <b>20C</b> - 20' PCord 277V 20A 16/3 SJTOOW NO PLUG<br/> <b>20C4</b> - 20' PCord 300V 18/4 SJTOW NO PLUG</p> | <p><b>2 Occupancy Sensors</b><br/> <b>TS1</b> - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.<br/> <b>TS1C</b> - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.<br/> <b>TS4</b> - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V.<br/> <b>TS4C</b> - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V</p> <p>Use a program rapid start ballast with occupancy sensor. EcoVations is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.</p> | <p><b>4 Emergency Ballasts</b><br/> <b>20B1</b> - TCP 450 LMS 90 min (T8 or T5)<br/> <b>20B6</b> - TCP 700 LMS 90 min (T8)<br/> <b>20B5</b> - TCP 1400 LMS 90 min (T8 or T5)<br/> <b>20B3</b> - TCP 3000 LMS 90 min (T8 or T5)<br/> <b>20BL5</b> - TCP 800 LMS 90 min (T5)<br/> <b>20BL6</b> - TCP 1350 LMS 90 min (T5)</p> <p><b>Emergency Ballast Notes:</b><br/>Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp) and what voltage is to be used (120V or 277V only). See Emergency Ballast Spec Sheets for details.</p> | <p><b>5 Lamps Installed in Job Pack</b><br/> <b>830</b> - T5 and T8 Lamps<br/> <b>835</b> - T5 and T8 Lamps<br/> <b>841</b> - T5 and T8 Lamps<br/> <b>850</b> - T5 and T8 Lamps<br/> <b>865</b> - T5 Lamps Only<br/> <b>830HL</b> - T8 Lamps Only<br/> <b>835HL</b> - T8 Lamps Only<br/> <b>841HL</b> - T8 Lamps Only<br/> <b>850HL</b> - T8 Lamps Only</p> |
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### AVAILABLE HANGING KITS (ordered seperately)

- EZHANGER** - 15' adjustable aircraft cable hanging kit
- 12Pendantkit** - Mounting kit for 1/2" pendants
- 34Pendantkit** - Mounting kit for 3/4" pendants
- LHKIT** - Single Point Hook Mounting Kit complete

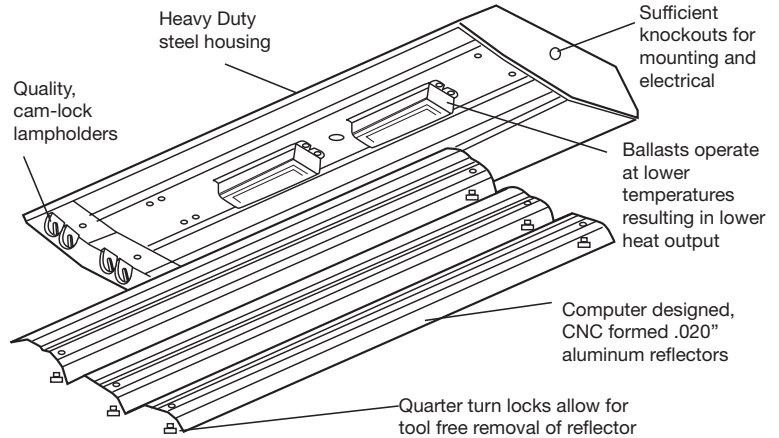
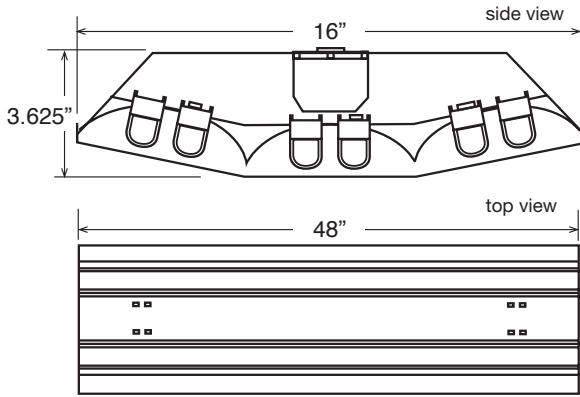
### AVAILABLE ACCESSORIES (ordered seperately)

- ELITELENSKIT** - Elite lens kit complete with lens, wider endcaps, and hardware.
- FWGL** - Wire Guard kit complete with Wire Guard and hardware (for use with lens)
- FWG** - Wire Guard kit complete with Wire Guard and hardware. (for use without lens)



# Elite Fluorescent High Bay T8/T5

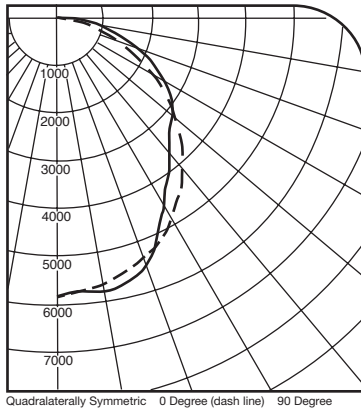
## Dimensions & Construction



## Photometric Report

### 2 x 4 Elite, 6-32 w , 95% Miro 4 Reflector, 3000 Lumens

Calculated using the zonal cavity method. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.



#### Photometric Report

Efficiency (total)	0.91
Spacing Criterion (0-Deg)	1.2
Spacing Criterion (90-Deg)	1.2

#### Average Luminance (Candelas / Square Meter)

Angle	0	22.5	45.0	67.5	90
0	11690	11690	11690	11690	11690
45	10302	10394	8894	8724	8832
55	9530	8858	8150	8991	9351
65	8264	7418	8332	8963	9231
75	6283	6598	7667	8571	8865
85	1535	4315	6182	7427	7947

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	4528.3	25.2	27.2
0-40	7262.7	40.3	44.3
0-60	12455.7	69.2	76.0
60-90	3805.2	21.1	23.2
0-90	16260.9	90.3	99.3
90-180	9.3	0.7	0.7
0-180	16380.2	91.0	100.0

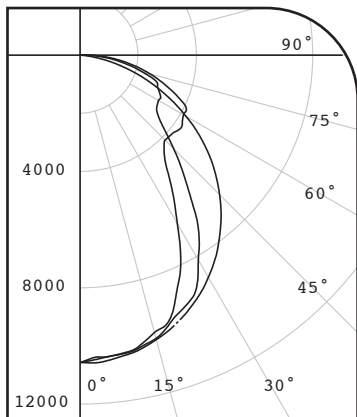
#### Coefficient of Utilization Table Effective Floor Cavity Reflectance = 20%

Pcc... Pw... RCR	80				70				50				30				10				0				
	70	50	30	10	70	50	30	10	50	30	10	30	50	30	10	10	50	30	10	0	50	30	10	0	
0	1.08	1.08	1.08	1.08	1.06	1.06	1.06	1.06	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.90	0.90	0.90	0.90	0.92	0.92	0.92	0.90
1	0.98	0.94	0.89	0.86	0.96	0.91	0.88	0.84	0.87	0.84	0.81	0.84	0.81	0.79	0.90	0.78	0.76	0.74	0.74	0.74	0.74	0.80	0.87	0.64	0.62
2	0.89	0.81	0.75	0.70	0.87	0.80	0.74	0.69	0.76	0.71	0.67	0.73	0.69	0.65	0.70	0.67	0.64	0.62	0.62	0.62	0.62	0.70	0.67	0.64	0.62
3	0.81	0.71	0.64	0.58	0.79	0.70	0.63	0.57	0.67	0.61	0.56	0.64	0.59	0.55	0.62	0.58	0.54	0.52	0.52	0.52	0.52	0.62	0.58	0.54	0.52
4	0.74	0.63	0.55	0.49	0.72	0.62	0.54	0.49	0.60	0.53	0.48	0.57	0.52	0.47	0.55	0.50	0.46	0.44	0.44	0.44	0.55	0.50	0.46	0.44	
5	0.68	0.57	0.48	0.42	0.66	0.56	0.48	0.42	0.53	0.47	0.41	0.52	0.46	0.41	0.50	0.45	0.40	0.38	0.38	0.38	0.50	0.45	0.40	0.38	
6	0.63	0.51	0.43	0.37	0.61	0.50	0.42	0.37	0.48	0.41	0.36	0.47	0.41	0.36	0.45	0.40	0.36	0.34	0.34	0.34	0.45	0.40	0.36	0.34	
7	0.59	0.46	0.38	0.33	0.57	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.41	0.36	0.32	0.30	0.30	0.30	0.41	0.36	0.32	0.30	
8	0.55	0.42	0.35	0.29	0.53	0.42	0.34	0.29	0.0	0.34	0.29	0.39	0.33	0.29	0.38	0.33	0.28	0.27	0.27	0.38	0.33	0.28	0.27		
9	0.51	0.39	0.31	0.26	0.50	0.38	0.31	0.26	0.37	0.31	0.26	0.36	0.30	0.26	0.35	0.30	0.26	0.24	0.24	0.35	0.30	0.26	0.24		
10	0.48	0.36	0.29	0.24	0.47	0.35	0.28	0.24	0.34	0.28	0.24	0.34	0.28	0.24	0.33	0.27	0.23	0.22	0.22	0.33	0.27	0.23	0.22		

## Photometric Report

### 2 x 4 Elite, 6-54 w , 95% Miro 4 Reflector, 5000 Lumens

Calculated using the zonal cavity method. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.



#### Photometric Report

Efficiency (total)	0.97
Spacing Criterion (0-Deg)	1.2
Spacing Criterion (90-Deg)	1.0

#### Average Luminance (Candelas / Square Meter)

Angle	0	22.5	45.0	67.5	90
0	6785	6485	4556	4063	4133
45	5135	4179	3213	3985	4274
65	3280	2144	3012	3780	3936
75	1509	1488	2208	2451	2490
85	155	571	832	987	1044

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	7928	29.7	30.6
0-40	12257	45.9	47.2
0-60	19845	74.3	76.5
0-90	25891	97.0	99.8
90-120	58	0.2	0.2
90-130	58	0.2	0.2
90-150	58	0.2	0.2
90-180	58	0.2	0.2
0-180	25949	97.2	100.0

#### Coefficient of Utilization Table Effective Floor Cavity Reflectance = 20%

Pcc... Pw... RCR	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	30	50	30	10	10	50	30	10	0	50	30	10	0
0	1.16	1.16	1.16	1.16	1.13	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97	0.97	0.97	0.99	0.99	0.99	0.97
1	1.05	1.00	0.96	0.92	1.02	0.98	0.94	0.90	0.94	0.91	0.83	0.90	0.87	0.85	0.86	0.84	0.82	0.80	0.80	0.80	0.86	0.84	0.82	0.80
2	0.96	0.87	0.81	0.75	0.93	0.86	0.79	0.75	0.82	0.77	0.72	0.79	0.74	0.70	0.76	0.72	0.69	0.67	0.67	0.67	0.76	0.72	0.69	0.67
3	0.87	0.77	0.69	0.63	0.85	0.75	0.68	0.62	0.72	0.66	0.61	0.70	0.64	0.60	0.67	0.63	0.59	0.56	0.56	0.56	0.67	0.63	0.59	0.56
4	0.80	0.68	0.60	0.53	0.78	0.67	0.59	0.53	0.65	0.58	0.52	0.62	0.56	0.51	0.60	0.55	0.51	0.49	0.49	0.49	0.60	0.55	0.51	0.49
5	0.74	0.61	0.53	0.46	0.72	0.60	0.52	0.46	0.58	0.51	0.45	0.56	0.50	0.45	0.54	0.49	0.44	0.42	0.42	0.54	0.49	0.44	0.42	
6	0.68	0.56	0.47	0.41	0.67	0.55	0.46	0.41	0.53	0.46	0.40	0.51	0.45	0.40	0.50	0.44	0.39	0.37	0.37	0.50	0.44	0.39	0.37	
7	0.64	0.51	0.42	0.36	0.62	0.50	0.42	0.36	0.48	0.41	0.36	0.47	0.50	0.36	0.46	0.40	0.35	0.33	0.33	0.46	0.40	0.35	0.33	
8	0.59	0.46	0.38	0.33	0.58	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32	0.30	0.30	0.42	0.36	0.32	0.30	
9	0.56	0.43	0.35	0.30	0.54	0.42	0.35	0.29	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27	0.27	0.39	0.33	0.29	0.27	
10	0.52	0.40	0.32	0.27	0.51	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.27	0.36	0.31	0.27	0.25	0.25	0.36	0.31	0.27	0.25	

Photometric Data by Independent Testing Lab. ITL Boulder.