

Application

The Elite Highbay's superior lumen package is ideal for replacing traditional metal halide 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 gauge housing is 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 reflectivity of all optics produces 93%-95% reflectance and has a 25 year warranty. Our reflector options include uplight or non-uplight 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.

Finish

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

Catalog Ordering Matrix

EL4	WA	6	32	UNI	H	
Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Options
EL4 - Elite	SA - Specular Aluminum	3,4,5,6	28 - (T8 28W)	UNI - (120-277)	H - (T8 High)	(See Below)
EL8 - 8' Elite	WA - White Aluminum	*8,10,12	32 - (T8 32W)	120	N - (T8 Normal)	
	Add U for 10% uplight		54 - (T5H0 54W)	277	L - (T8 Low)	
				347	V - (T5H0)	
				480		

OPTIONS

Power Cords

2P - 120V, 15A, 8' Power cord w/ straight blade plug
 3P - 120V, 15A, 8' Power cord w/ twist lock plug
 4T - 120V, 20A, 10' Power cord w/ twist lock plug
 11P - 208V, 15A, 8' Power cord w/ straight blade plug
 9T - 208V, 20A, 8' Power cord w/ twist lock plug
 8P - 277V, 20A, 8' Power cord w/ straight blade plug
 10P - 277V, 20A, 15' Power cord w/ straight blade plug
 10T - 277V, 15A, 10' Power cord w/ twist lock plug
 10T2 - 277V, 20A, 10' Power cord w/ twist lock plug
 6C - 600V rated 6' Power cord only. No plug
 10C - 600V rated 10' Power cord only. No plug
 20C - 600V rated 20' Power cord only. No plug
 6W - 600V rated 6' flexible metal conduit fixture whip
 6C4 - 120V-300V 6' Power cord only, 4 wire. No plug
 20C4 - 120V-600V 20' Power cord only, 4 wire. No plug
 8T - 480V, 20A, 8' Power cord w/ L8-20 twist lock plug

Occupancy Sensors

OS6 - Occupancy sensor w/ bracket for 15'+ mounting hgt.
 OS9 - Occupancy sensor w/ bracket for <15' mounting hgt.
 OSL - Occupancy sensor w/ bracket for 20'+ mounting hgt.

* Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

Wire Guard / Lens

WG - Wire guard for Elite Fixture
 WGL - Wire guard for Elite Fixture with lens
 EL - Elite Series acrylic lens
 ELP - Elite Series polycarbonate lens

Emergency Ballasts

B1 - 400 LMS 90 min
 B7 - 550 LMS 120 min
 B9 - 550 LMS 90 min
 B6 - 650 LMS 90 min
 B5 - 1350 LMS 90 min
 B3 - 3000 LMS 90 min
 BL5 - 700 LMS 90 min.
 (For use with T5)
 BL6 - 1250 LMS 90 min.
 (For use with T5)

Lamps Installed in Job Pack

730 - T8 Lamps Only
 735 - T8 Lamps Only
 741 - T8 Lamps Only
 830 - T5 and T8 Lamps
 835 - T5 and T8 Lamps
 841 - T5 and T8 Lamps
 850 - T5 and T8 Lamps
 865 - T5 and T8 Lamps
 830HL - T8 Lamps Only
 835HL - T8 Lamps Only
 841HL - T8 Lamps Only
 850HL - T8 Lamps Only
 865HL - T8 Lamps Only
 830XHL - T8 Lamps Only
 835XHL - T8 Lamps Only
 841XHL - T8 Lamps Only
 850XHL - T8 Lamps Only
 865XHL - T8 Lamps Only

Special Mounting

EZHANGER - 15' adjustable aircraft cable hanging kit
 HCB - Hub Connector Box - 3/4" Threaded Hub Mount
 12Pendantkit - Mounting kit for 1/2" pendants
 34Pendantkit - Mounting kit for 3/4" pendants
 LHKIT - Single Point Hook Mounting Kit complete

Fixture Color

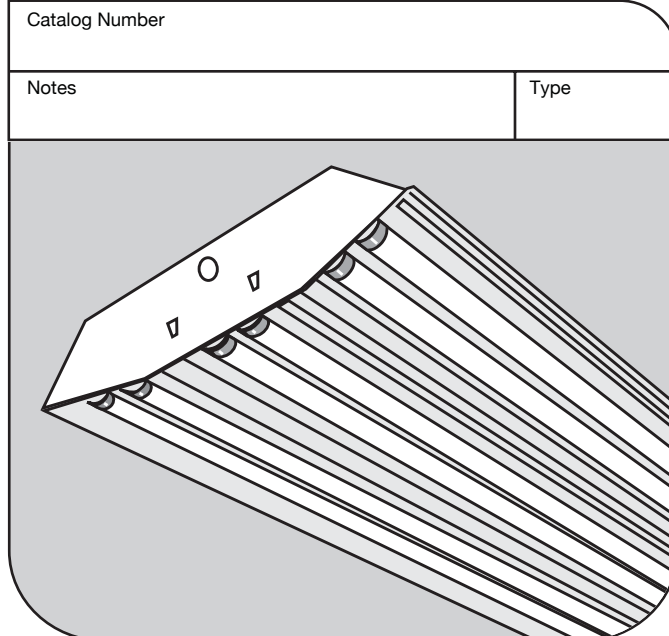
White - Standard Color
 Unless Specified

Orange
 Green
 Blue
 Yellow
 Bronze
 Black
 Red

For Custom Color Please Provide RAL #

* FBO - TCP will install supplied modular wire cords

* 8, 10 and 12 lamp available in EL8 housing only.



Elite T5 and T8 Series

Maintenance

No tools required for lamp and ballast access.

Installation

Suspension by chain, cable, hook or monopoint with appropriate accessories.

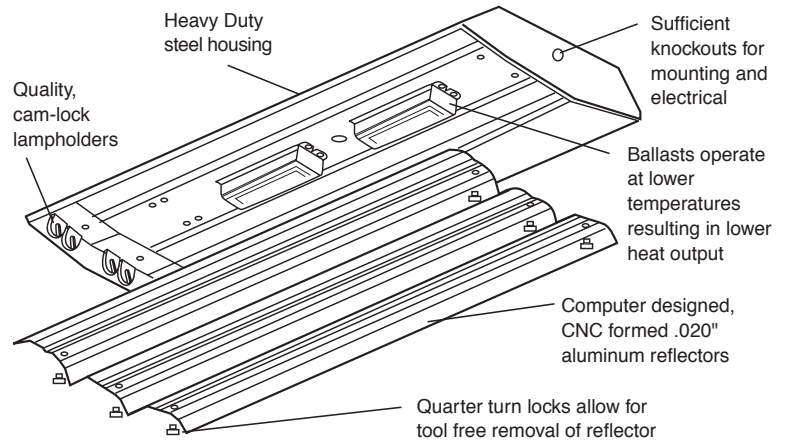
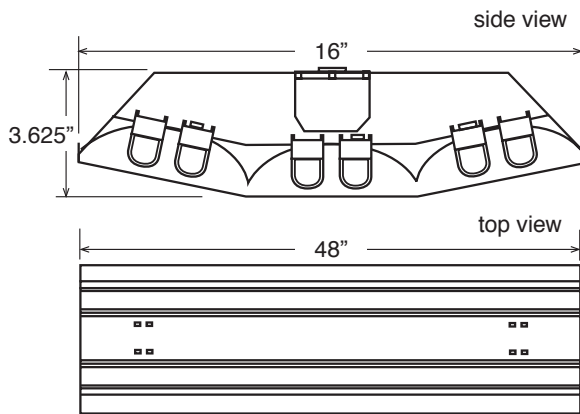
Warranty

One year warranty against defect in manufacturing

Listing

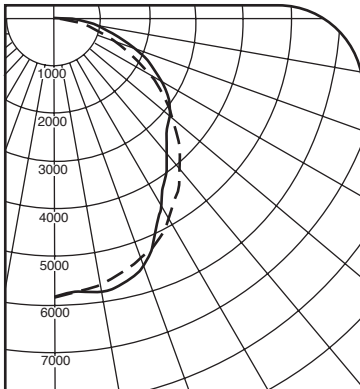
UL/CUL Listed - Suitable for damp locations.

Dimensions & Construction



Photometric Report 2 x 4 Elite, 6-32 w , 95% Miro 4 Reflector, 3,000 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.



Quadralaterally Symmetric 0 Degree (dash line) 90 Degree

Photometric Report

Efficiency (total)	0.9
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

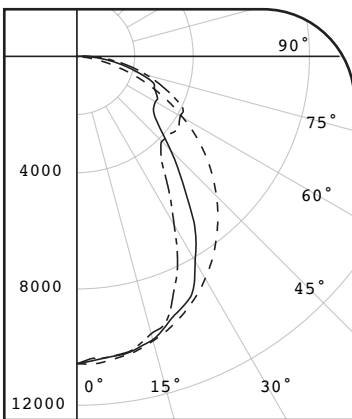
Zone	Lumens	% Lamp	% Luminaire
0-30	4528.3	25.2	27.2
0-40	7262.7	40.3	44.3
0-60	12455.7	69.2	76.0
60-90	3805.2	21.1	23.2
0-90	16260.9	90.3	99.3
90-180	9.3	0.7	0.7
0-180	16380.2	91.0	100.0

Coefficient of Utilization Table Effective Floor Cavity Reflectance = 20%

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

Photometric Report 2 x 4 Elite, 6-54 w , 95% Miro 4 Reflector, 5,000 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)	0.9
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
55	3280	2144	3012	3780	3936
75	1509	1488	2208	2451	2490
85	155	571	832	987	1044

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
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			
	80	70	50	30	10	70	50	30	10	50	30	10	30	50	30	10	10	50	30	10	0	0		
0	1.16	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	0.97		
1	1.05	1.00	0.96	0.92	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	0.80		
2	0.96	0.87	0.81	0.75	0.75	0.93	0.86	0.79	0.74	0.82	0.77	0.72	0.79	0.74	0.70	0.76	0.72	0.69	0.67	0.67	0.67	0.67		
3	0.87	0.77	0.69	0.63	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	0.56		
4	0.80	0.68	0.60	0.53	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	0.49		
5	0.74	0.61	0.53	0.46	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	0.42	0.42		
6	0.68	0.56	0.47	0.41	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	0.37	0.37		
7	0.64	0.51	0.42	0.36	0.36	0.62	0.50	0.42	0.36	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.35	0.33	0.33	0.33	0.33		
8	0.59	0.46	0.38	0.33	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	0.30	0.30		
9	0.56	0.43	0.35	0.30	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	0.27	0.27		
10	0.52	0.40	0.32	0.27	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	0.25	0.25		