

Application

The ElitePlus' 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 warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications. This fixture was designed with the contractor in mind. The swinging lens/wireguard, as well as the reflector, makes accessing the ballast easy.

Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The ElitePlus' 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 ElitePlus 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.

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.

ElitePlus 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.

Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Specific Ballast	Options
EP4 - 4' Elite Plus	SA - Narrow Distribution	4	28 - (T8 28W)	UNI - (120-277)	H - (T8 High)	Leave Blank - (TCP)	(See Below)
EP8 - 8' Elite Plus	WA - Wide Distribution	6	32 - (T8 32W)	347	N - (T8 Normal)	GE - (GE)	
		*8	54 - (T5HO 54W)	480	L - (T8 Low)	ADV - (Advance)	
		*12			V - (T5HO)	ULT - (Universal)	
					HPRS - (T8 H Program Rapid Start)	SYL - (Sylvania)	

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 - 120V-300V rated 6' Power cord only. No plug
- 10C - 120V-300V rated 10' Power cord only. No plug
- 10C6 - 120V-600V rated 10' Power cord only. No plug
- 20C - 120V-300V 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-300V 20' Power cord only, 4 wire. No plug
- 8T - 480V, 20A, 8' Power cord w/ L8-20 twist lock plug

Occupancy Sensors

- TS1 - TCP Occupancy sensor w/bracket and interchangeable lenses, 120V, 277V, or 347V
- TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 120V, 277V, and 347V
- TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 480V
- TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 480V
- OS6 - Occupancy sensor w/ bracket for 15'+ mounting hgt.
- OS9 - Occupancy sensor w/ bracket for 15' mounting hgt.

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.

Wire Guard / Lens

- WG - Wire Guard
- WGLP - Wire Guard & Prismatic Lens
- WGLC - Wire Guard & Clear Lens

Emergency Ballasts

- 20B1 - TCP 450 LMS 90 min (T8)
- 20B6 - TCP 700 LMS 90 min (T8)
- 20B5 - TCP 1400 LMS 90 min (T8)
- 20B3 - TCP 3000 LMS 90 min (T8 or T5)
- 20BL5 - TCP 800 LMS 90 min (T5)
- 20BL6 - TCP 1350 LMS 90 min (T5)
- B1 - 400 LMS 90 min (T8)
- B7 - 550 LMS 120 min (T8)
- B9 - 550 LMS 90 min (T8)
- B6 - 650 LMS 90 min (T8)
- B5 - 1350 LMS 90 min (T8)
- B3 - 3000 LMS 90 min (T8 or T5)
- BL5 - 700 LMS 90 min (T5)
- BL6 - 1250 LMS 90 min (T5)

Emergency Ballast Notes:

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 (i.e. 120V). See Emergency Ballast Spec Sheets for details.

† If a desired lamp and/or ballast is needed in an EcoVations linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

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

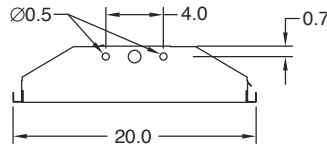
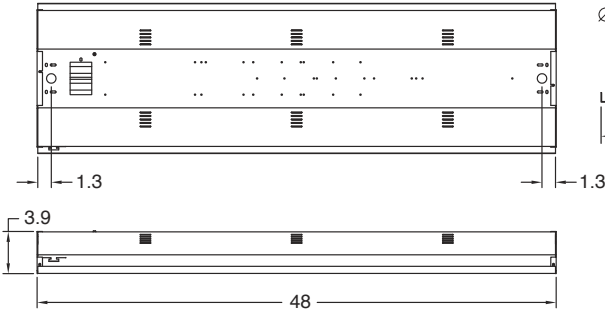
Special Mounting

- 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

* 8, 10 and 12 lamp available in EP8 housing only.

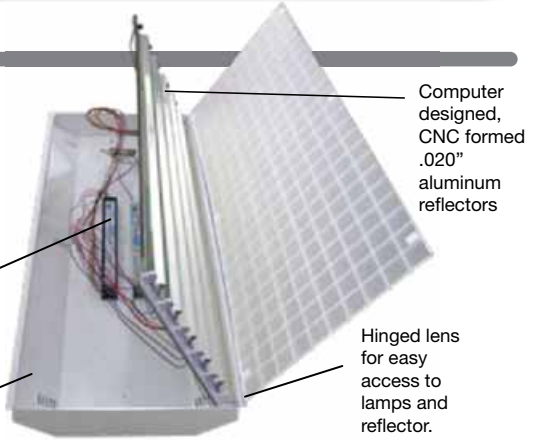
FBO – EcoVations will install supplied modular wire cords

Dimensions & Construction



Ballasts operate at lower temperatures resulting in lower heat output

Heavy Duty steel housing



Photometric Report

2x4 Elite Plus, 4-54w, 95% MIRO 4 Reflector with hinged lens and wireguard, 4,400 Lumens

EcoVations Industrial Strip Luminaire with 4x54w lamp, lumen rating 4400 LMS, and one SYLVANIA QTP4X54T5HO electronic ballast operating at 120 VAC and 229 Watts

Photometric Report

Efficiency (total) 72.1
Spacing Criterion (0-Deg) 1.26
Spacing Criterion (90-Deg) 1.08

Average Luminance (Candelas / Square Meter)

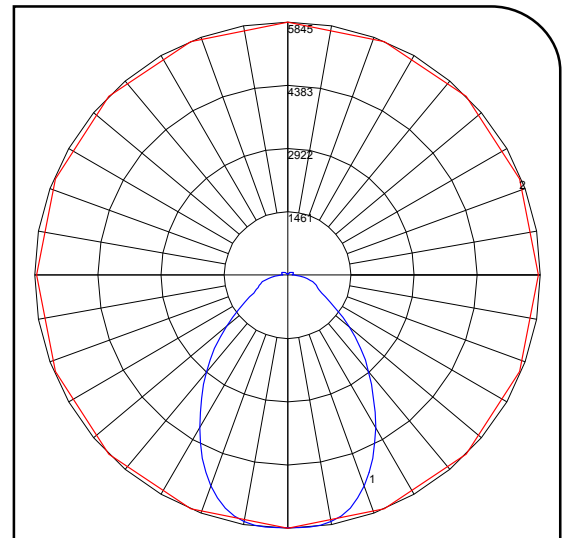
Angle	0	45.0	90
45	11012	8148	7018
55	7699	5821	4782
65	4638	4023	3552
75	3682	3396	3844
85	3877	3435	3493

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	4419	24.8	34.4
0-40	6903	38.8	53.8
0-60	10598	59.5	82.5
0-90	12331	69.3	96.0
90-180	509	2.9	4.0
0-180	12840	72.1	100.0

Coefficient of Utilization Table Effective Floor Cavity Reflectance = 20%

RC RW	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	85	85	85	85	83	83	83	83	79	79	79	75	75	75	71	71	71	69	69	69	67	67	67	
1	79	75	73	70	76	73	71	69	70	68	66	67	65	63	64	62	61	59	59	59	57	55	53	
2	72	67	62	59	70	65	61	58	62	59	56	60	57	54	57	55	53	51	51	51	49	47	46	
3	67	60	54	50	65	58	53	50	56	52	48	54	50	47	51	49	46	44	44	44	42	40	39	
4	62	54	48	43	60	53	47	43	50	46	42	48	45	41	47	43	40	39	39	39	37	35	34	
5	57	48	43	38	55	48	42	38	46	41	37	44	40	37	42	39	36	34	34	34	32	30	29	
6	53	44	38	34	51	43	38	34	42	37	33	40	36	33	39	35	32	31	31	31	29	27	26	
7	49	40	34	30	48	40	34	30	38	33	30	37	33	29	36	32	29	28	28	28	26	24	23	
8	46	37	31	27	45	36	31	27	35	30	27	34	30	27	33	29	26	25	25	25	23	21	20	
9	43	34	29	25	42	34	28	25	33	28	24	32	27	24	31	27	24	23	23	23	21	19	18	
10	41	32	26	23	40	31	26	23	30	26	22	29	25	22	29	25	22	21	21	21	19	17	16	



Maximum Candela = 5844.65 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Photometric Report

2x4 Elite Plus, 6-54w, 95% MIRO 4 Reflector 4,400 Lumens

EcoVations Industrial Luminaire with 6x54w lamp, lumen rating 4400 LMS, and one SYLVANIA QTP2X54T5HO, one SYLVANIA QTP4X54T5HO electronic ballast operating AT 120 VAC and 347.4 watts

Photometric Report

Efficiency (total) 86.2
Spacing Criterion (0-Deg) 1.24
Spacing Criterion (90-Deg) 1.10

Average Luminance (Candelas / Square Meter)

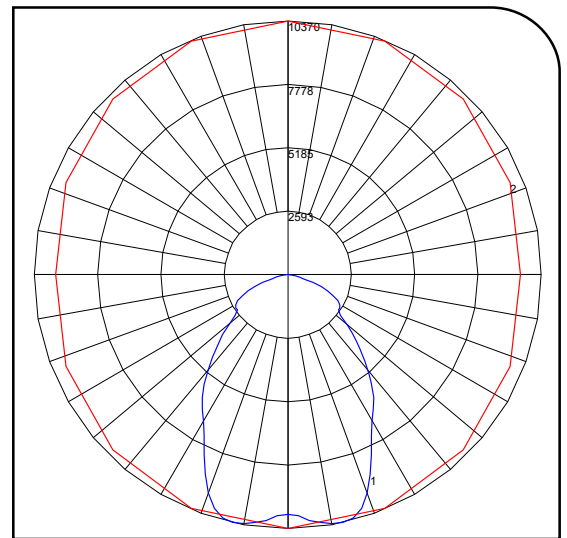
Angle	0	45.0	90
45	15463	12434	9917
55	14476	9438	7623
65	12727	7429	8426
75	9637	6896	4758
85	3363	1731	2687

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	7835	29.7	34.4
0-40	12259	46.4	53.8
0-60	19362	73.3	85.1
0-90	22756	86.2	100.0
90-180	0	0	0
0-180	22756	86.2	100.0

Coefficient of Utilization Table Effective Floor Cavity Reflectance = 20%

RC RW	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	103	103	103	103	100	100	100	100	69	69	69	92	92	92	88	88	88	86	86	86	84	84	84	
1	95	91	88	85	93	89	86	84	86	83	81	82	80	79	79	78	76	74	74	74	72	70	69	
2	87	81	75	71	85	79	74	70	76	72	68	73	70	67	71	68	65	64	64	64	62	60	59	
3	80	72	65	60	78	70	64	60	68	63	59	66	61	58	63	60	57	55	55	55	53	51	50	
4	74	64	57	52	72	63	57	52	61	55	51	59	54	50	57	53	50	48	48	48	46	44	42	
5	68	58	51	45	66	57	50	45	55	49	45	54	48	44	52	47	44	42	42	42	40	38	37	
6	63	53	45	40	62	52	45	40	50	44	40	49	43	39	47	43	39	37	37	37	35	33	32	
7	59	48	41	36	58	47	40	36	46	40	35	45	39	35	44	39	35	33	33	33	31	29	28	
8	55	44	37	32	54	43	37	32	42	36	32	41	36	32	40	35	32	30	30	30	28	26	25	
9	52	41	34	29	50	40	34	29	39	33	29	38	33	29	37	32	29	27	27	27	25	23	22	
10	48	38	31	27	47	37	31	27	36	31	27	36	30	26	35	30	26	25	25	25	23	21	20	



Maximum Candela = 10370 Located At Horizontal Angle = 90, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)