

## Features

High-performance vapor proof luminaire available in T8 and T5.

Energy efficient alternative to HID systems

Durable construction, stainless-steel latches

Ideal for the food industry, manufacturing, sports fields, and outdoor applications

IP67 Rated for complete protection including temporary immersion



## Technical Data

**Housing:** The glass fiber reinforced polyester housing provides exceptional strength and rigidity. The poured in place gasket seals the enclosures from the most hostile environments.

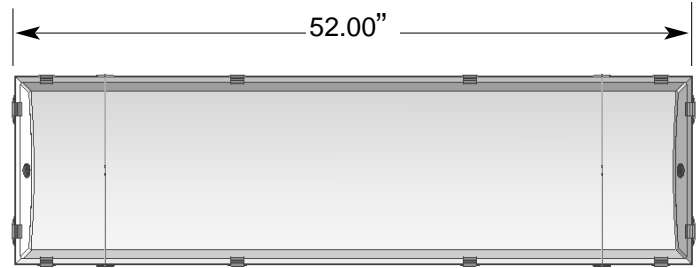
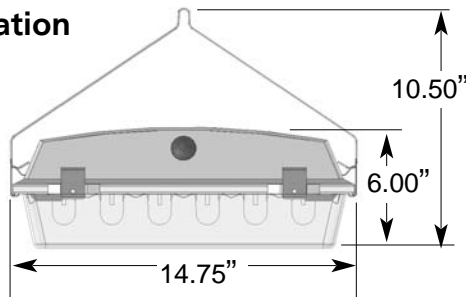
**Lens:** 100% Virgin Impact Resistant Acrylic. Available in polycarbonate for high abuse environments or with a DR blend for maximum chemical resistance.

**Reflector:** Can be ordered with a 95% specular, a 85% specular, or a 92% diffuse white enamel. (For maximum performance, 95% specular is recommended.) Substrate is 0.020" high quality aluminum. The reflector profile is optimized using computer analysis and manufactured using state of the art CNC equipment. A protective premask is applied to all reflective surfaces prior to manufacture.

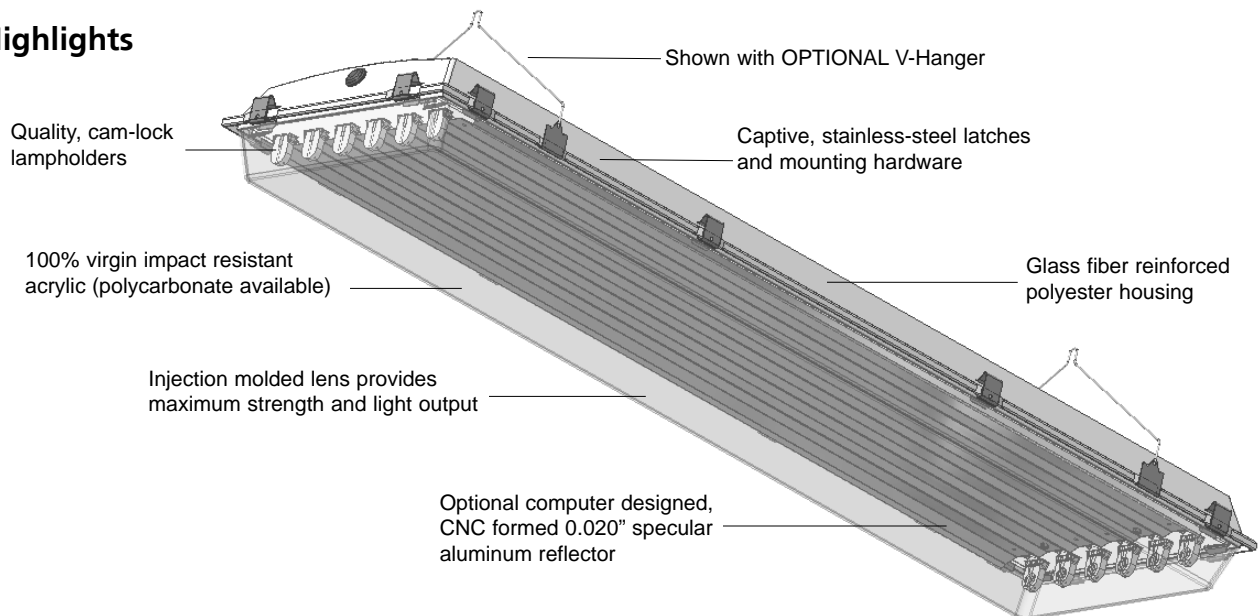
**Construction:** Electrical components are mounted to an integrally hinged gear tray. No tools are required for ballast access. Captive stainless steel latches secure the lens.

**Mounting:** Captive stainless steel brackets are compatible with cable mounting systems.

## Installation



## Highlights



## Photometrics (shown with 4L T5HO)

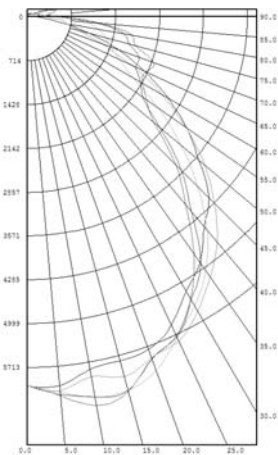


**Energy Solutions**  
Premium Lighting without the Premium Price

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ENERGY SOLUTIONS 2 X 4 FLUORESCENT LUMINAIRE  
WITH SPECULAR REFLECTOR AND CLEAR LENS  
FOUR T5 LINEAR FLUORESCENT 54 WATT LAMPS, LUMEN RATING 5000 LMS.  
ONE SYLVANIA QTP4X54T5/HO BALLAST OPERATING AT 277 VAC AND 234 WATTS

### CANDLEPOWER SUMMARY

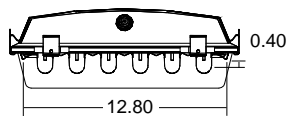


0.0	0.0- 2.5	35.91
5.0	2.5- 7.5	293.18
10.0	7.5- 12.5	586.97
15.0	12.5- 17.5	877.37
20.0	17.5- 22.5	1134.65
25.0	22.5- 27.5	1330.54
30.0	27.5- 32.5	1475.69
35.0	32.5- 37.5	1569.36
40.0	37.5- 42.5	1561.85
45.0	42.5- 47.5	1507.40
50.0	47.5- 52.5	1364.82
55.0	52.5- 57.5	1210.39
60.0	57.5- 62.5	1067.57
65.0	62.5- 67.5	936.34
70.0	67.5- 72.5	838.55
75.0	72.5- 77.5	765.76
80.0	77.5- 82.5	614.44
85.0	82.5- 87.5	456.54
90.0	87.5- 92.5	213.26

### ZONAL LUMENS AND PERCENTAGES

Zone	Lumens	%Lamp	%Fixt
0- 30	4949	24.7	26.5
0- 40	8043	40.2	43.1
0- 60	13454	67.3	72.1
0- 90	17653	88.3	94.6
90-120	796	4.0	4.3
90-130	869	4.3	4.7
90-150	957	4.8	5.1
90-180	998	5.0	5.4
0-180	18651	93.3	100.0

\*\* EFFICIENCY = 93.3% \*\*



### LUMINANCE SUMMARY - CD./SQ.M.

	0	30	45	60	90
0	14253.9	14253.9	14253.9	14253.9	14253.9
45	12853.1	11261.6	10140.7	9256.1	8602.3
50	12140.9	10314.5	8919.2	7828.8	7078.6
55	11628.8	9594.3	7500.8	6597.5	6026.6
60	10794.0	7798.2	6206.8	5243.0	4676.8
65	9806.6	6587.3	5648.1	4644.0	4949.4
70	8739.7	5529.2	5473.0	4398.4	7954.9
75	7580.5	4881.0	5794.1	4696.0	7443.6
80	5346.0	4704.0	5942.7	4854.2	8180.6
85	3842.5	4894.2	5817.7	6006.9	6778.1

PAINT REFLECTANCE = 0.78 S/MH = 1.27  
SC (ALONG) = 1.28 SC (ACROSS) = 1.27  
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## Photometric Summary Chart

		Efficiency	S/M Ratio
4L T5HO	Specular	93.3	1.27 (0.74*)
	White	88.3	1.34
4L T8	Specular	90.1	1.21 (0.89*)
	White	84.3	1.35
6L T5HO	Specular	91.0	1.13
	White	86.2	1.38
6L T8	Specular	85.1	1.12
	White	80.5	1.36

(\* focused distribution available for four lamp profiles)

## Ordering Information

Part Number = Fixture Size + Reflector Material + # Lamps + Lamp Wattage + Voltage + Ballast Type + Options

(Example F-24VAE632UNVH = 2'x4' VA Series with an enhanced alum. refl, 6-32W lamps, and an HP universal voltage ballast)

Size	Reflector	# Lamps	Lamp Watts	Voltage	Ballast Type	Options
F-24VA - 2' x 4'	EA - Enhanced Alum	4	32	UNV	N - Normal	
	BC - Ballast Cover	6	54	480	H - High Ballast Factor	
	WR - White Enamel				L - Low Ballast Factor	