1X8 HO (High Output) Strip Fixture RetroPAK





Features

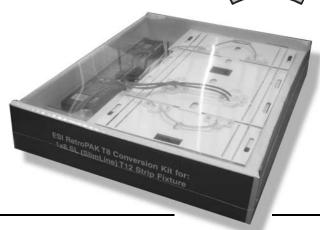
Retrofits 2-Lamp HO to 4-Lamp T8XP QHEN

Equivalent light output

48% wattage reduction

Three times the lamp life

4' Lamps



Technical Data

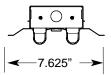
Socket Bars: 0.032" pre-painted cold-rolled steel. Provided as a three-piece break-apart set to simplify material handling. Prepunched for lampholders and alignment holes.

Reflector: The reflector can be ordered with a 95% reflective specular finish or a 92% reflective white enamel coating. The reflector 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.

Kit Contents: The RetroPAK is provided pre-wired with all the materials necessary to retrofit one fixture. This includes an energy efficient electronic ballast, twist-lock lampholders, a 2008 code required electrical disconnect, and all required hardware for installation. Providing that the existing ballast covers are four feet long, they can be reused with the kit or optional reflectors can be added when purchasing the RetroPAK.

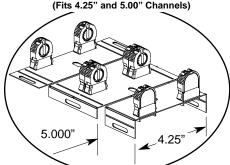
Installation

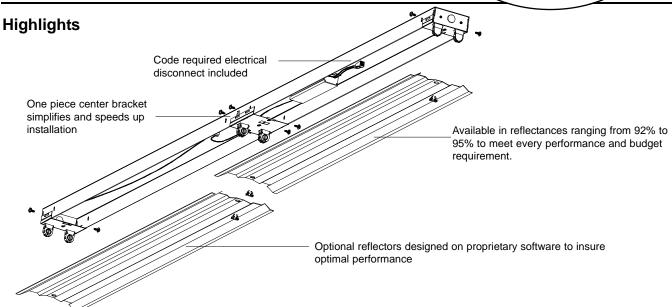
Optional Reflector



Installation: For retrofit, the existing ballast covers, ballast and socket bars are removed. With the new ballast installed, the ESI socket bars are attached to the existing channel with self-tapping screws. The ESI socket bars are folded around the channel as shown in the diagram to the right. If reusing the existing ballast covers, self-tapping screws may be required for attachment to the new socket bars. The optional reflectors are attached with provided quarter-turn fasteners.

NEW Versa-Form Socket-Bar Set (Fits 4.25" and 5.00" Channels)







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Photometrics

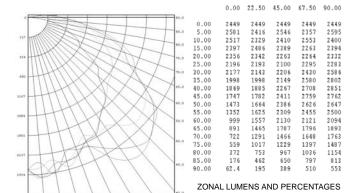


Energy Solutions international, inc. 1385 Mendota Heights Road Saint Paul , MN 56120

ENERGY SOLUTIONS 1 X 8 FLUORESCENT LUMINAIRE WITH SPECULAR REFLECTOR AND NO LENS

FOUR T8 LINEAR FLUORESCENT 32 WATT LAMPS, LUMEN RATING 2950 LMS. ONE SYLVANIA QHE4x32T8/UNV ISH BALLAST 277 VAC AND 156 WATTS

CANDLEPOWER SUMMARY



0- 30 0- 40

0- 90 90-120

90-130

0-180

3387

6977

10462

284

10746

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•	0	•]	0.43	
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LUMINANCE SUMMARY - CD./SQ.M.

6.39

	0	45	90
0	5246.86	5246.86	5246.86
45	5219.09	6417.19	7084.50
50	4826.38	6827.08	7255.56
55	4947.36	7203.02	7417.71
60	4178.12	7362.15	6829.87
65	4380.85	6989.19	6909.47
70	4350.01	6655.36	7371.67
75	4392.30	6711.48	7341.31
8.0	4240.93	6686.82	7024.14
8.5	3718.89	6193.65	6510.15

** EFFICIENCY = 92.6% PAINT REFLECTANCE = 0.78 S/MH = 1.73 SC (ALONG) = 1.29 SC (ACROSS) = 1.73 PREPARED IN PHOTOPIA FOR **ENERGY SOLUTIONS**

29.2

92.6

31.5

100.0

ST. PAUL, MN

Summaries

95% reflective, specular enhanced aluminum

Efficiency: 92.6%

Spacing height ratio (along): 1.29 Spacing height ratio (across): 1.73

Photometric data file: 18STEA8S432.ies

92% reflective, diffuse white enamel

Efficiency: 90.4%

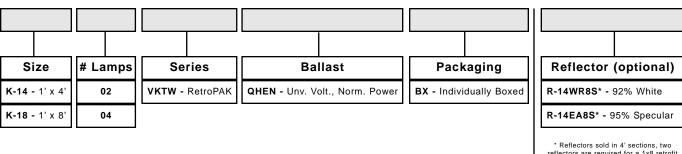
Spacing height ratio (along): 1.37 Spacing height ratio (across): 1.56

Photometric data file: 18STWR8S432.ies

Ordering Information

Part Number = Fixture Size + Reflector Material + # Lamps + Channel Width + Options

(Example K-1802VKTW-QHEH-BX = 1'x8' RetroPAK, 2-32W, to fit a 4.25" or 5.00" channel, prewired with unv. volt. HP ballast, individually boxed)



reflectors are required for a 1x8 retrofit

