

# Truex Lighting

## “FHB”- SERIES LINEAR FLUORESCENT HIGH BAY FIXTURE MODEL FHB14-4T5HO 4-LAMP T5HO



### BENEFITS OF FLUORESCENT HIGH BAY FIXTURES

- 30-50% energy reduction for comparable light levels
- Superior Lumen Maintenance
- Improved Color Rendering. Fluorescent lamps maintain consistent color through life of lamp and have a color rendering index (CRI) of 85
- Instant On/Off. In the event of power interruption, fluorescent lamps are back on instantly

### FIXTURE DESCRIPTION:

The FHB14-4T5HO is designed specifically to replace H.I.D. fixtures in high mounting height/high ambient temperature industrial applications. The FHB14-4T5HO design allows heat produced by the T5HO lamps to be dissipated away from the ballasts. The “FHB” optic design is optimized to provide outstanding performance for T5HO lamp applications. The primary benefits include exceptional color rendering, high system efficacy, high reflectance aluminum reflector, program start ballasts, instant re-strike and uniform brightness control.

### PRODUCT FEATURES:

Ballast housing, end plates and socket tracks are die formed cold rolled steel. The channel provides strength and KO's for easy installation. Die formed external reflectors are high reflectance specular material.

### ELECTRICAL:

Ballasts are program start, energy efficient, thermally protected, automatic resetting, Class P, CBM, sound rated A, and are positively secured by mounting bolts.

### LISTING:

ETL 3097700 / UL1598

### FINISH:

All steel parts are powder coated white after assembly

### FIXTURE DIMENSIONS:

A - 13”

B - 3.35”

C - 46.2”



**PHOTOMETRIC DATA:**

**Zonal Lumens  
Cone Between Lumens**

0.0 0.0- 2.5 40.70  
5.0 2.5- 7.5 342.79  
10.0 7.5- 12.5 704.11  
15.0 12.5- 17.5 1053.07  
20.0 17.5- 22.5 1370.08  
25.0 22.5- 27.5 1577.89  
30.0 27.5- 32.5 1648.81  
35.0 32.5- 37.5 1598.04  
40.0 37.5- 42.5 1519.39  
45.0 42.5- 47.5 1394.24  
50.0 47.5- 52.5 1279.93  
55.0 52.5- 57.5 1184.20  
60.0 57.5- 62.5 1109.18  
65.0 62.5- 67.5 1019.73  
70.0 67.5- 72.5 922.87  
75.0 72.5- 77.5 765.39  
80.0 77.5- 82.5 501.48  
85.0 82.5- 87.5 203.86  
90.0 87.5- 92.5 22.73

**Average Luminaire Luminance (cd/m^2):**

0 45 90  
0 17829.68 17829.68 17829.68  
45 18430.79 10464.98 8059.61  
50 18194.35 8605.29 8127.15  
55 17388.38 7705.70 9402.10  
60 17256.29 7815.87 10506.75  
65 16318.24 8728.77 11679.36  
70 15075.86 9939.20 12800.15  
75 12915.96 11091.40 12059.68  
80 10285.25 9726.98 8811.80  
85 7723.07 5180.98 3992.85

**Coefficients of Utilization - Zonal Cavity Method:**

pfc = 0.20  
pcc .8 .7 .5  
pw .7 .5 .3 .1 .7 .5 .3 .1 .5 .3 .1  
RCR  
0 108 108 108 108 106 106 106 106 101 101 101  
1 99 94 90 87 96 92 89 85 88 85 83  
2 90 82 76 71 88 81 75 70 77 73 69  
3 82 73 65 60 80 71 64 59 69 63 58  
4 76 65 57 51 73 64 56 51 61 55 50  
5 70 58 50 44 68 57 50 44 55 49 44  
6 65 53 45 39 63 52 44 39 50 44 39  
7 60 48 40 35 59 47 40 35 46 39 34  
8 56 44 37 31 55 43 36 31 42 36 31  
9 53 41 33 28 51 40 33 28 39 33 28  
10 49 38 31 26 48 37 30 26 36 30 26