

# Maximum versatility, highly efficient and simple to use.

## TRILYTE FH4 SERIES



**SURFACE MOUNTED FLUORESCENT, 4' AND 8' LENGTHS  
17" NARROW BODY FOR 2, 3 AND 4 LAMPS T8**

TriLyte offers the cost-effective benefits of fluorescent lamps, including quality lighting, superior energy efficiency and occupancy sensing capabilities. Unlike most luminaires in its category, TriLyte also features a streamlined aesthetic design.

Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Catalog No: \_\_\_\_\_  
Fixture Type: \_\_\_\_\_  
Mfg: \_\_\_\_\_ Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Ordering Guide

Explanation of Catalog Number Example: FH4C4DWW432UNVH4

FH Series TriLyte	Fixture Length	Reflector	Fixture Width	Light Direction	Lens/Shielding Type	Lamps in X-Section	Lamp	Voltage	Ballast Type
<b>FH</b>			<b>4</b>	<b>D</b>		<b>4</b>	<b>32</b>		
Heavy Duty Surface Fixture	<b>4</b> = 4' Length <b>8</b> = 8' Length	<b>C</b> = Contoured Specular Inside Reflector (N/A in 2 Lamp Option) <b>S</b> = Flat Design Specular Inside Reflector <b>W</b> = Flat Design White Inside Reflector	<b>4</b> = 17"	<b>D</b> = Direct	<b>WW</b> = White Wireguard/No Lens <b>VA</b> = White Wireguard/Pattern 12 .095" Nominal Lens <b>VB</b> = White Wireguard/Pattern 12 .125" Nominal Lens <b>XX</b> = No Shielding	<b>4</b> = 4 Lamp	<b>32</b> = 32W T8	<b>UNV</b> = 120/277V <b>120</b> = 120V <b>277</b> = 277V <b>347</b> = 347V	<b>H4</b> = T8 Elect. One 4 Lamp I.S THD <10% <b>H5</b> = T8 Elect. One 4 Lamp and One 2 Lamp I.S THD <10% <b>H7</b> = T8 Elect. Two 4 Lamp I.S THD <10% (Inner/outer)

## Features

- Efficiency 83.4%.
- Riveted 20 gauge chassis for superior strength.
- Venting on sides allow for cooler operation.
- Frameless wireguard design (See Options).
- Surface, stem or chain mounting options.
- Contoured mirrored reflector for optimum efficiency.
- Slim profile of 2 3/4" depth ideal for gymnasium applications where ceiling height may be an issue.
- Optional wireguard protects lamps in gymnasium applications.
- Occupancy Sensor for energy saving solutions (See Mounting Details).
- Ideal for Trade/Retail, Recreational and Industrial applications where efficiency and lighting control are required.

## Specifications

**Materials:** Chassis parts are die-formed code 20 gauge cold rolled steel.

**Finish:** Chassis exterior post painted in a white baked polyester powder coat finish.

**Cavity:** Chassis exterior post painted with a white baked polyester powder coat finish.

**Reflector:** Contoured design specular reflector. 95% reflectivity.

**Electrical:** Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°C.

**Labels:** cCSAus listed.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws.

See: [www.lamprecycle.org](http://www.lamprecycle.org)

## Options/Accessories

**Emergency Power Pack:** Factory emergency power pack includes charger and inverter concealed in fixture channel. Upon loss of AC power, operates one lamp at high lumen output for a period of 90 minutes. For 347V, consult your Philips Lighting representative. **Suffix: E** (Standard Bodine B100CAN)

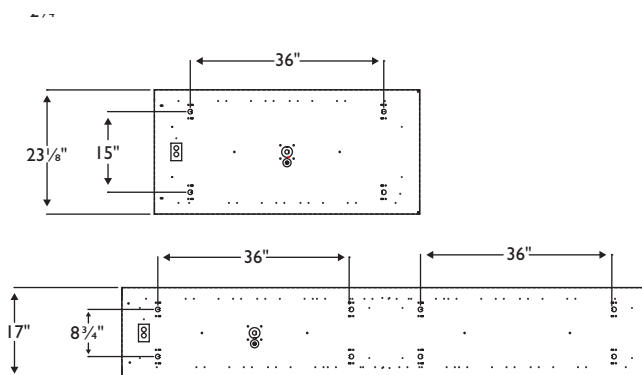
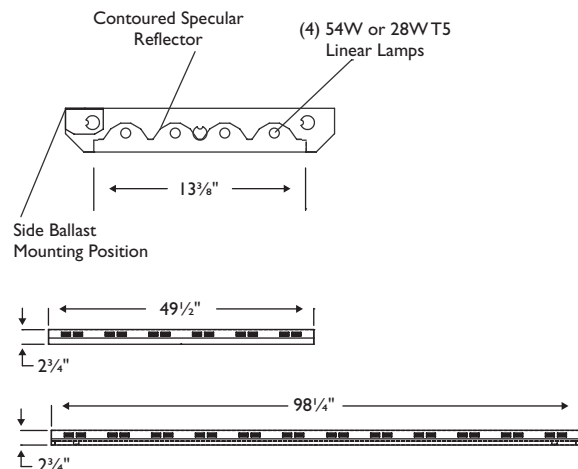
**Electrical Wiring Options:** Consult your Philips Lighting representative.

**Stem and Canopy Kits:** Suspend luminaire 12", 18", 24", 36" and 48" from surface. (Four per luminaire is recommended) Catalog Numbers: **STKF12, STKF18, STKF24, STKF36, STKF48**

**Chain Suspension Option:** 24" Chain Suspension Kit (two per fixture is required). Order: EE9HC.

**Sensor:** Order catalog number **FH360** for Line Voltage Sensor. (Sold Separately/Field Installed)

## Dimensions



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## Mounting Details



- Contoured reflector technically design to optimize lamp performance



- Self contained line voltage sensor. Specifically design to mount via the 7/7" KO provided on either end of the TriLyte fixture. (Field Installed). Cat number **FH360**



- Vented details on housing profile allows for efficient running temperatures during operation

## Performance

Report Number: C09034

Catalog No: FH4C4DXX432UNVH4

Lamp Type: 4 x 32W T8 Lamps

Lumens per Lamp: 2950

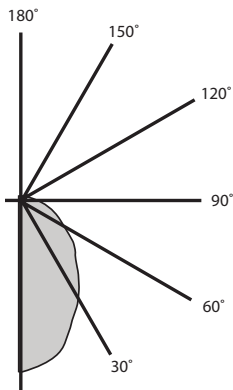
Luminaire Input Watts: 111.1W

Candela at Nadir: 4255cd

Total Efficiency: 81.6%

### Candela Distribution

Angle	Along	22.5	45.0	67.5	Across
0	4255	4255	4255	4255	4255
5	4237	4245	4249	4211	4146
10	4181	4184	4147	4091	4029
15	4091	4065	4002	3903	3812
20	3963	3898	3787	3564	3439
25	3796	3706	3465	3181	3091
30	3601	3485	3090	2888	2789
35	3369	3202	2774	2515	2407
40	3112	2855	2428	2146	2057
45	2824	2476	2054	1880	1865
50	2510	2101	1688	1649	1583
55	2174	1743	1492	1349	1284
60	1816	1369	1181	1075	1048
65	1452	1005	899	857	835
70	1082	771	678	654	644
75	723	489	475	490	485
80	383	282	315	300	288
85	111	127	114	103	104
90	3	4	7	12	17



### Coefficients of Utilization

RC	80%				70%				50%			
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR	Zonal Cavity Method Effective Floor Cavity Reflectance = .20											
1	90	86	83	81	88	85	82	79	81	79	77	
2	83	77	72	68	81	75	71	67	72	69	65	
3	76	68	63	58	74	67	62	57	65	60	56	
4	70	61	55	50	69	60	55	50	58	53	49	
5	65	55	48	43	63	54	47	43	52	47	42	
6	60	49	43	38	58	49	42	37	47	42	37	
7	55	45	38	33	54	44	38	33	43	37	33	
8	51	40	34	29	50	40	33	29	39	33	29	
9	47	37	30	25	46	36	30	25	35	29	25	
10	44	33	27	23	43	33	27	23	32	26	22	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3107	26.33	32.27
0-40	4880	41.36	50.69
0-60	7965	67.50	82.74
0-90	9627	81.59	100.00
40-90	4747	40.23	49.31
60-90	1661	14.08	17.26
90-180	0	0.00	0.00
0-180	9627	81.59	100.00



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[www.philips.com/luminaires](http://www.philips.com/luminaires)

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008