

Maximum versatility,
highly
efficient
and simple to use.

SMART TRILYTE FH4/FH8 SML SERIES



NARROW-BODY 4 LAMP HIGH BAY SERIES

The Smart TriLyte uses the Optimum Philips Advance programmed start ballast and Philips Lighting low-mercury Alto II T8 lamps or Alto T5HO lamps. TriLyte is a powerful brand name model in the fluorescent high bay market thanks to the high efficiency, reliability and strength of this full body fluorescent high bay.

Project: _____
Location: _____
Catalog No: _____
Fixture Type: _____
Mfg: _____ Lamps: _____ Qty: _____
Notes: _____

Ordering Guide

Explanation of Catalog Number Example: FH4C4DXX4541SMLE

Series	Fixture Length	Reflector Type	Width	Type	Shielding/Cord	Lamp Qty. in a Luminaire Cross-Section	Lamp/ Type	Voltage	SML Smart Lighting	Options
FH		C	4	D		4			SML	
FH TriLyte Series	4 = 4' (4 Lamp) 8 = 8' (4 Lamp Only)	C = Countoured Miro IV Reflector	4 = 17"	D = Downlight	XX = No Shielding X3 = 3' Cord and 15 Amp Twist Lock Plug X6 = 6' Cord and 15 Amp Twist Lock Plug C6 = 6' Cord Only	4 = 4 Lamp	32 = 32W T8 54 = 54W T5HO	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	SML Smart Lighting (Philips ALTO or ALTO II 841 Lamps, Philips Advance Elect. P.S. Ballast and LampMaximizer Sensor.) Bulk Pack	E = 1 Lamp Emergency Pack for T5HO (Bodine LP600) O = 1 Lamp Emergency Pack for T8 (Bodine B100-CAN)

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Features

- Complete system integrating motion sensor and Philips lamps, ballast, and lighting fixture
- **Lamps:** Low Mercury Philips Alto II T8 lamps (Philips F32T8/TL841/Alto II, 4100K, 2850 initial lumens) or Alto T5HO lamps (Philips F54T5/841/HO/ALTO, 4100K, 5000 initial lumens) showing 95% lumen maintenance and reduced lamp-end blackening. For other lamp color temperatures, consult your Philips Lighting representative.
- 4 lamp models (Narrow-body)—Available in 4' and 8' lengths
- 6 lamp models (Wide-body)—Available in 4' length only
- **Sensor:** LampMaximizer optimizes lamp life and energy costs while reducing maintenance costs. Single switching (all lamps on or off). Circular detection with passive infrared for 30–40 ft diameter coverage. Green LED on the sensor will blink constantly for 31 days once 70% of the projected lamp life has been reached.
- **Ballast:** Philips Advance programmed start electronic ballast. Total Harmonic Distorsion of <10%.
- Rated for ballast case temperature up to 90°C. Tested to operate at ambient temperatures of 55°C (6 lamp version without lens). For lens applications, consult your Philips Lighting representative.

- **Guarantee:** 3-year guarantee on all components including lamps, ballasts, sensor and any other component installed on the product by the factory. Properly installed product that Philips determines to be defective will be repaired or replaced at Philips discretion. (The warranty covers the repair or replacement of the product and does not extend to transportation, installation or replacement charges. No other warranty, either expressed or implied, beyond this statement is included. Consult your Philips Lighting representative for further information.)

Specifications

Body: One-piece post-painted housing providing clean, smooth, installation-friendly corners.

Reflector: Contoured Miro IV reflector offers optimum performance and 95% reflectivity.

Mounting: Choice of stem, surface or chain mounting. 12' to 45' mounting height with suitable lamp-reflector-lens mix.

Bulk: Pack Sold in bulk pack only.

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

See: www.lamprecycle.org

Options/Accessories

Wireguard With/Out Lens: White hinged 9 gauge wireguard adding rigidity to luminaire available. Order separate catalog number: **FH4WG4** for narrow luminaire, **FH4WG5** for wide luminaire. For a wire guard with integral lens add **-VA** (Pattern 12 prismatic lens made of virgin acrylic, .095" nominal) or **-VB** (Pattern 12 prismatic lens made of virgin acrylic, .125" nominal).

Internal Fusing: Suffix **F**.

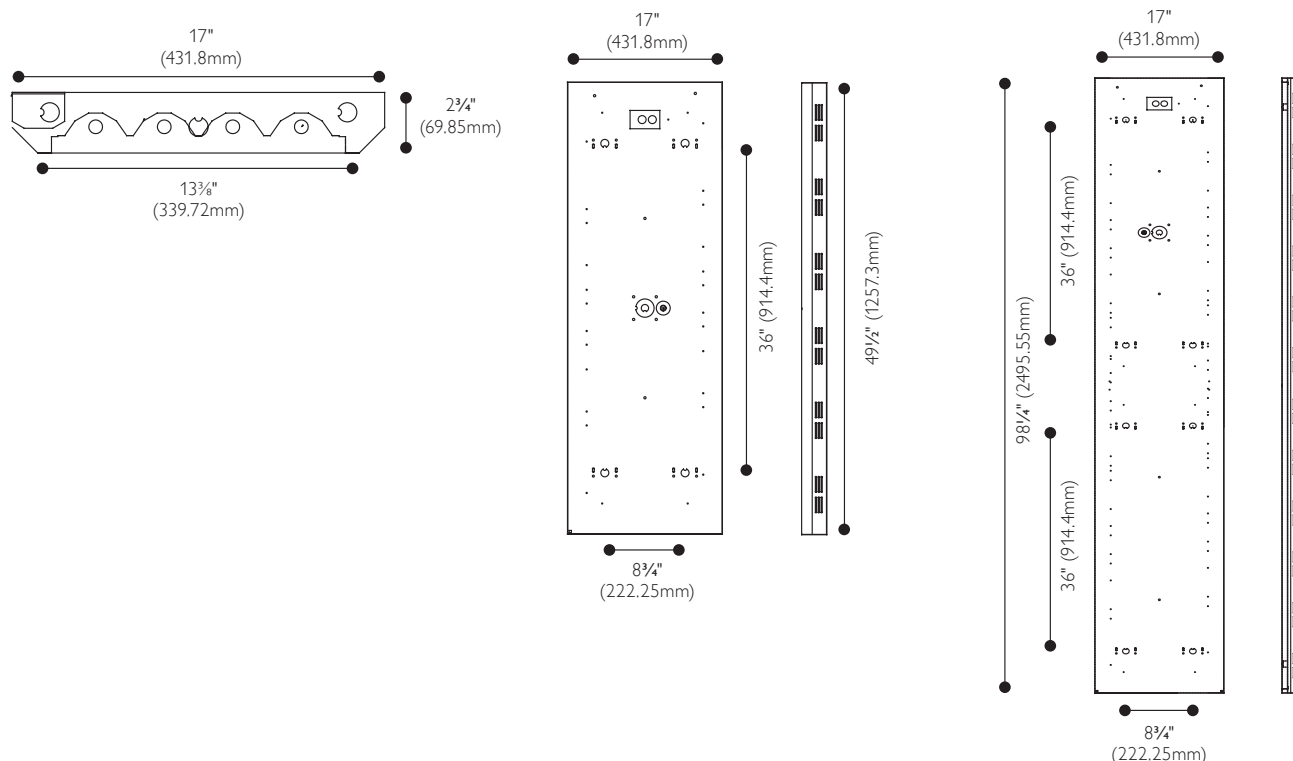
Emergency Battery Pack: Suffix **O** (T8), **E** (T5HO).

Electrical/Wiring Options: Consult your Philips Lighting representative.

Stem and Canopy Sets: 4 stems per luminaire. Order Catalog Number **STKF12 (12")**, **STKF18 (18")**, **STKF24 (24")**, **STKF36 (36")**, **STKF48 (48")**.

Chain Hanger Kit: 2 kits per luminaire. Order Catalog Number **EE9HC**.

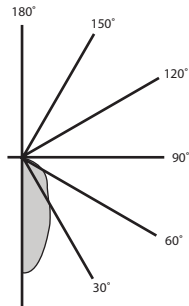
Dimensions



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Performance

Report Number: LSCA590
Catalog No: FH4C4DXX4541SML
Lamp Type: 4 54W T5HO
Lumens per Lamp: 4400
Lumen Input Watts: 233.8
Candela at Nadir: 8537cd
Total Efficiency: 86.2%



Candela Distribution

Angle	Along	22.5	45.0	67.5	Across
0	8537	8537	8537	8537	8537
5	8532	8482	8393	8321	8265
10	8424	8293	7992	7663	7495
15	8225	7952	7324	6761	6543
20	7938	7448	6549	5910	5635
25	7602	6868	5743	4998	4703
30	7179	6181	4938	4119	3863
35	6679	5458	4141	3366	3190
40	6124	4708	3358	2857	2794
45	5510	3979	2724	2587	2509
50	4842	3193	2270	2190	2174
55	4153	2461	1959	1919	1956
60	3424	1792	1625	1664	1630
65	2666	1291	1355	1216	1138
70	1943	949	979	805	760
75	1218	646	542	460	391
80	539	307	220	114	70
85	53	49	0	0	0
90	0	0	0	0	0

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											
Room Cavity Ratio	1	96	92	89	87	93	91	88	85	87	85	83
	2	88	83	78	74	87	81	77	73	78	74	71
	3	82	74	68	64	80	73	68	63	71	66	62
	4	76	67	60	55	74	66	60	55	64	59	54
	5	70	60	53	48	68	59	53	48	57	52	47
	6	65	55	48	43	63	54	47	42	52	46	42
	7	60	50	43	38	59	49	42	38	48	42	37
	8	56	45	38	33	55	44	38	33	43	37	33
	9	52	41	34	29	51	40	34	29	39	33	29
	10	48	37	31	26	47	37	31	26	36	30	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5576	31.69	36.77
0-40	8373	47.58	55.21
0-60	13,023	74.00	85.87
0-90	15,166	86.17	100.00
40-90	6792	38.59	44.79
60-90	2142	12.17	14.13
90-180	0	0.0	0.0
0-180	15,166	86.17	100.00



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Specifications are subject to change without notice.
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