

Maximum versatility, highly efficient and simple to use.

SMART TRILYTE FH4 SML SERIES



WIDE-BODY 6 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: FH4C5DXX6321SMLE

Series	Fixture Length	Reflector Type	Width	Type	Shielding/Cord	Lamp Qty. in a Luminaire Cross-Section	Lamp/Type	Voltage	SML Smart Lighting	Options
<input type="checkbox"/> FH	<input type="checkbox"/> 4	<input type="checkbox"/> C	<input type="checkbox"/> 5	<input type="checkbox"/> D	<input type="checkbox"/>	<input type="checkbox"/> 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> SML	<input type="checkbox"/>
FH TriLyte Series	4 = 4' (6 Lamp)	C = Countoured Specular Reflector	5 = 23"	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	6 = 6 Lamp	32 = 32W T8 54 = 54W T5HO	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	SML Smart Lighting (Philips ALTO or ALTOII 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)

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 sales 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 representative for further information.)

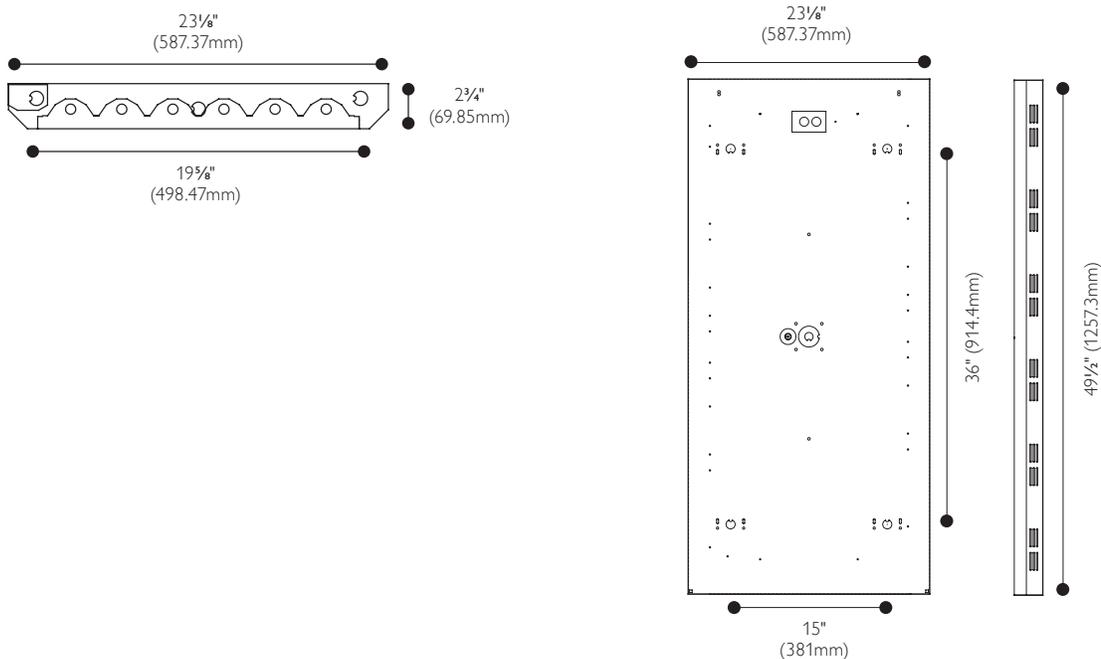
Specifications

- **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: LSCA459

Catalog No: FH4C5DX654USML

Lamp Type: 6 54WT5HO

Lumens per Lamp: 4400

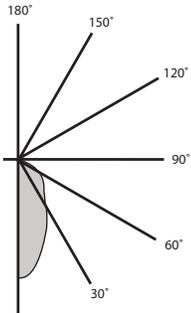
Lumen Input Watts: 358

Candela at Nadir: 11149 cd

Total Efficiency: 90.0%

Candela Distribution

Angle	Along	22.5	45.0	67.5	Across
0	11149	11149	11149	11149	11149
5	11116	11125	11081	11061	11047
10	10977	10968	10998	11081	11128
15	10694	10740	10940	11023	10989
20	10333	10443	10694	10027	9678
25	9900	10073	9810	8386	7953
30	9325	9626	8272	6844	6463
35	8695	8995	6816	5672	5517
40	7963	7994	5507	4876	4736
45	7192	6697	4580	4159	4116
50	6305	5329	3784	3573	3339
55	5406	4057	3149	2877	2935
60	4465	2997	2412	2590	2708
65	3492	2192	2005	2290	2291
70	2548	1552	1742	1708	1702
75	1609	995	1179	1075	1031
80	781	630	570	399	322
85	117	145	28	7	0
90	0	0	0	0	0



Coefficients of Utilization

RC	80%				70%				50%			
	70	50	30	10	70	50	30	10	50	30	10	
RW	Zonal Cavity Method Effective Floor Cavity Reflectance = .20											
RCR												
Room Cavity Ratio	1	100	96	93	90	97	94	91	89	90	88	86
	2	92	86	81	76	90	84	79	75	81	77	74
	3	85	77	71	66	83	75	70	65	73	68	64
	4	79	69	62	57	77	68	62	56	66	6	56
	5	72	62	55	49	70	61	54	49	59	53	48
	6	67	56	49	44	65	55	48	43	54	48	43
	7	62	51	44	39	61	5	43	38	49	42	38
	8	58	46	39	34	56	45	39	34	44	38	34
	9	53	42	35	30	52	41	34	30	40	34	30
	10	49	38	31	27	49	38	31	26	37	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	8366	31.69	35.20
0-40	12,823	48.57	53.96
0-60	20,088	76.09	84.53
0-90	23,765	90.02	100.00
40-90	10,941	41.45	46.04
60-90	3677	13.93	15.47
90-180	0	0	0
0-180	23,765	90.02	100.00



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Specifications are subject to change without notice.
www.philips.com/luminaires

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