

PHILIPS
Day-Brite
CFI

Industrial

TriLyte

T8 or T5HO, 4 or 6 lamp



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Philips Day-Brite / Philips CFI TriLyte industrial is a heavy duty surface mount luminaire offering the cost-effective benefits of fluorescent lamps, including quality lighting, energy efficiency and occupancy sensing capabilities. Unlike most luminaires in its category, TriLyte also features a streamlined aesthetic design.

Ordering guide

Example: FH4C4DWW454UNV-1/4-EB

Family	Length	Reflector	Width	Light Direction	Lens Type	Lamps/x-section	Lamp Type (by others)	Voltage	Ballast	Options
FH				D						
FH Heavy duty surface industrial	4 4' 8 8' (4 lamp x-section only)	C Contoured Specular Inside Reflector S Flat Design Specular Inside Reflector W Flat Design White Inside Reflector	4 17" (4 lamp) 5 23" (6 lamp)	D Direct	WW White Wireguard/No Lens VA White Wireguard/Pattern 12.095" Nominal Lens VB White Wireguard/Pattern 12.125" Nominal Lens XX No Shielding	4 4 lamp (17" housing) 6 6 lamp (23" housing)	32 32WT8 54 54WT5HO	UNV Universal voltage, 120-277V 120 120V 277 277V 347 347V	1/4-EB One 4 lamp Electronic Ballast 1/4-EB-2LS One 4 lamp Electronic Ballast with 2 level switching (54WT5HO Only) 1/4-EBH One 4 lamp Electronic Ballast, High Ballast Factor (32WT8 only) 2/2-EB Two 2 lamp Electronic Ballasts 2/2-EBH Two 2 lamp Electronic Ballasts-High Ballast Factor (32WT8 Only) 2/3-EBH Two 3 lamp Electronic Ballasts-High Ballast Factor (32WT8 Only) 3/2-EBH Three 2 lamp Electronic Ballasts-High Ballast Factor (32WT8 Only) 1/42-EBH One 4 lamp and one 2 lamp Electronic Ballast-High Ballast Factor (32WT8 Only) 1/42-EB One 4 lamp and one 2 lamp Electronic Ballast (54WT5HO Only) 2/4-EB Two 4 lamp Electronic Ballasts (8' only) 4/2-EBH Four 2 lamp Electronic Ballasts, High Ballast Factor (8' only)	GLR Fusing WC3 Wired 3' Cord WP3 Wired 3' Cord and Plug Assembly (Specify Voltage) E1 DEB-1 emerg. ballast, T8, 350-450 lumens, 120/277V E1CAN DEB-1 emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 DEB-7 emerg. ballast, T8, 600-700 lumens, 120/277V E5 DEB-5 emerg. ballast, US or Canada market, T8, 1100-1400 lumens, UNV E5CAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST B50ST emerg. ballast w/self test, U.S. or Canada market, T8, 1100-1400 lumens, UNV E7LP DEB-7LP emerg. ballast, T5/T5HO lamps, 430-700 lumens, 120/277V E6LP DEB-6LP emerg. ballast, US or Canada market, T5/T5HO lamps, 750-1325 lumens, 120/277V LPT841 Installed lamps, 80+ CRI, 4100K

Accessories (order separately)

- **MD360** – luminaire mount line voltage motion sensor, 360° coverage, up to 40ft mounting distance
- **Stem and Canopy Sets** – suspend luminaire from surface
- **CS-400** – Rigid stem canopy (1) (qty. 4 required per luminaire)
- **CS-500** – Swivel stem canopy (1) (qty. 4 required per luminaire)
- **CS Series Stems** – Specify length as needed (CS-12 for 12", CS-18 for 18", etc.) (qty 4 required per luminaire)

Chain Suspension Option

- **EE9HC** – 24" chain suspension kit (2 per luminaire required)
- **Electrical Wiring Options** – consult your Philips Lighting Representative

General Notes

- All options factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.



FH4 & FH8 Trilyte industrial

T8 or T5HO, 4 or 6 lamp

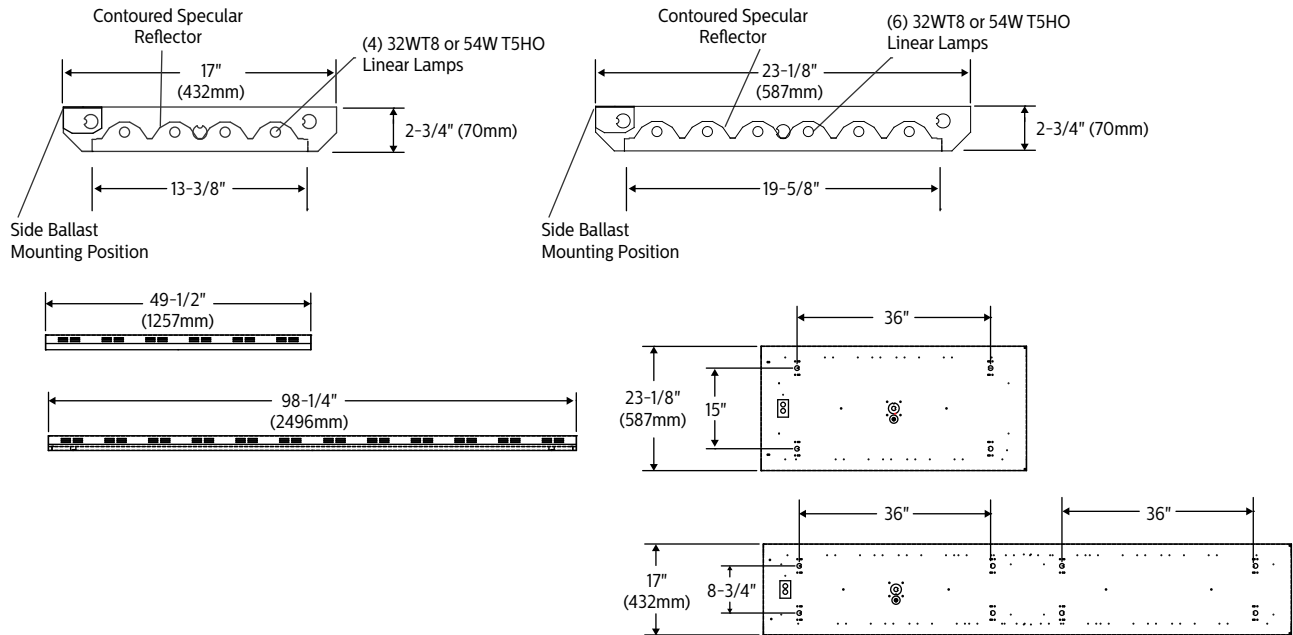
Features

- Riveted 20 gauge chassis for superior strength.
- Venting on sides allows for cooler operation.
- Surface, stem or chain mounting options.
- Contoured 95% reflective specular reflector for optimum efficiency.
- Slim profile of 2-3/4" depth ideal for gymnasium applications where ceiling height may be an issue.
- Available frameless wireguard protects lamps in gymnasium applications.
- Occupancy Sensor accessory (MD360) available for energy saving solutions.
- Ideal for Trade/Retail, Recreational and Industrial applications where efficiency and lighting control are required.

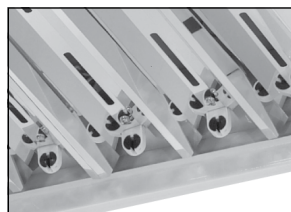
Specifications

- **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, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°C.
- **Labels:** cCSAus listed.

Dimensions



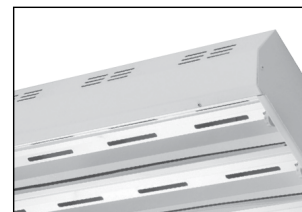
Mounting details



• Contoured reflector designed to optimize lamp performance



• Self contained line voltage sensor. Specifically designed to mount via the 7/8" KO provided on either end of the Trilyte luminaire. (Field Installed). Cat number MD360



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

FH4 & FH8 Trilyte industrial

T8 or T5HO, 4 or 6 lamp

Photometry

Trilyte 4 lamp 32WT8

Efficiency – 83.5%

LER – 79

TER – 41

Catalog No. FH4C5DXX432120-1/4-EB Test No. LSCA871 S/MH 1.0 Lamp Type 32WT8 Lumens/Lamp 2950 Ballast Factor 0.88 Input Watts 110 Comparative yearly lighting energy cost per 1000 lumens – \$2.67 based on 3000 hrs. and \$.08 pwr KWH.	Candlepower				Light Distribution				Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross				
	0	4321	4321	4321	0-30	3184	27.0	32.3	45	9333	7476	7000				
	5	4327	4308	4270	0-40	5037	42.7	51.1	55	8696	6564	5556				
	10	4255	4221	4163	0-60	8265	70.0	83.9	65	7665	5001	4715				
	15	4157	4068	3958	0-90	9853	83.5	100.0	75	5978	3983	4568				
	20	4026	3853	3627					85	1251	1658	1577				
	25	3845	3553	3251	Coefficients of Utilization											
	30	3636	3213	2971	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
	35	3375	2847	2672	pcc											
40	3095	2552	2342	pw												
45	2785	2231	2089	RCR												
50	2470	1869	1675	0												
55	2105	1589	1345	1												
60	1737	1198	1078	2												
65	1367	892	841	3												
70	1001	661	654	4												
75	653	435	499	5												
80	320	275	267	6												
85	46	61	58	7												
				8												
				9												
				10												

Trilyte 6 lamp 32WT8

Efficiency – 84.9%

LER – 78

TER – 40

Catalog No. FH4C5DXX632120-1/42-EB Test No. LSCA870 S/MH 1.1 Lamp Type 32WT8 Lumens/Lamp 2950 Ballast Factor 0.88 Input Watts 169 Comparative yearly lighting energy cost per 1000 lumens – \$3.08 based on 3000 hrs. and \$.08 pwr KWH.	Candlepower				Light Distribution				Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross				
	0	6333	6333	6333	0-30	4701	26.5	31.3	45	9525	7771	7383				
	5	6329	6322	6253	0-40	7461	42.1	49.6	55	8864	6982	6169				
	10	6234	6188	6078	0-60	12370	69.8	82.3	65	7704	5609	5760				
	15	6081	5951	5749	0-90	15027	84.9	100.0	75	5845	5166	5947				
	20	5890	5606	5433					85	1885	3845	3261				
	25	5643	5285	4905	Coefficients of Utilization											
	30	5329	4827	4451	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
	35	4958	4298	4023	pcc											
40	4563	3814	3700	pw												
45	4100	3345	3178	RCR												
50	3619	2923	2489	0												
55	3095	2438	2154	1												
60	2551	1791	1819	2												
65	1982	1443	1482	3												
70	1459	1136	1209	4												
75	921	814	937	5												
80	442	523	576	6												
85	100	204	173	7												
				8												
				9												
				10												



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org