

Pauluhn ZonePro explosionproof linear fluorescent luminaires

Cl. I, Div. 1, Groups C, D
Cl. II, Div. 1 & 2, Groups E, F, G
Cl. III

4L

Applications:

- High, mid and low bay
- Paint booths
- Paint and formulation facilities
- Aircraft fueling and maintenance areas
- Oil and gas exploration and production
- Fuel dispensing facilities
- Marine and watertight requirements
- Petrochemical facilities
- Dusttight requirements

Features:

- High output luminaire, up to 40,000 raw lumens
- Available with two T5/T5HO lamps in each globe assembly
- Fluorescent system provides energy savings up to 50% when compared to HID
- Multi-voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations
- Lowest temperature rating available (T6)
- Provided with 4100°K, low mercury TPLC compliant lamps
- Impact-resistant borosilicate glass tubes
- Adjustable mounting brackets allow a 110° range of aiming positions
- Integral safety cable mounting points
- Spring loaded lamp holders for maximum vibration resistance
- Low profile design affords maximum mounting versatility
- Optional self-contained emergency battery back-up ballasts
- UL Listed for paint spray booth applications

Certifications and compliances:

- Class I, Division 1, Groups C, D
- Class II, Divisions 1 & 2, Groups E, F, G
- Class III
- UL844 – Hazardous Locations
- UL1598A – Luminaires for Marine Vessels
- UL1203 – Electrical Equipment for Hazardous Locations
- CSA – Class 3428 03
- CSA – Class 3428 83
- Marine Outside Type Saltwater
- Paint Spray Booth Approved
- Rated up to 55°C
- Type 3R enclosure
- Conforms to IP66
- ABS

Standard materials and finishes:

- Housing – cast copper-free aluminum
- Optional guard – stainless steel
- Hardware – stainless steel
- Reflector – Type 6065 aluminum with an electrostatically applied white polyester powder coat finish; minimum 90% reflectance
- Globe assembly – high impact-resistant tempered borosilicate glass
- Lamp holder – engineered plastics, no urea materials

Temperature performance data:

Watts	Ballast / socket type	ANSI lamp code	Class I	Class II; Class III	Starting temperature	Maximum ambient °C ^A	Supply wire °C
17	T8 bi-pin G13	F17-T8	T6	T3C	0°F (-18°C)	40	90
32	T8 bi-pin G13	F32-T8	T6	T3C	-20°F (-29°C)	40	90
40	FT40 2G11	FT40-CF	T6	T3C	0°F (-18°C)	40	90
35/60	T12HO RDC R17d	F24/F48-T12HO	T6	T3C	-20°F (-29°C)	40	90
14/28	T5 mini bi-pin G5	F14/F28-T5	T6	T3C	0°F (-18°C)	40	90
24/54	T5HO mini bi-pin G5	F24/F54-T5HO	T6	T3C	-20°F (-29°C)	40	90



Technical specifications:

- Entries – three 1/2" NPT outlets, two plugged
- Lamp holder – spring loaded for T5, T5HO, T8 and T12 lamp types
- Ballast – 120-277V, 50/60 Hz electronic; 347V and 480V (optional)
- Emergency battery back-up ballast – optional, self-contained 90 minute minimum for all lamp types; 120 minute minimum for F32T8 one lamp; starting temperature 32°F (0°C)

Mounting options:

- Two adjustable aluminum surface mount brackets; optional pendant bracket mount available

Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

^AContact factory for optional higher ambient models.

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Ordering information:

Part number example

ZP42871**

ZP

Model

ZP

Length (nominal)

2	2 foot
4	4 foot

Number of lamps

2	2 lamps, 2 globe assemblies
4	4 lamps
4	– 2 globe assemblies for lamp types 2, 5 and 6
	– 4 globe assemblies for lamp types 1 and 8
8	8 lamps, 4 globe assemblies for lamp types 2 and 5

4

2

8

Lamp type

1	2 ft. F17 or 4 ft. F32 (T8 bi-pin)
2	2 ft. FT40 (CF 2G11)
5	2 ft. F24 or 4 ft. F54 (T5HO mini bi-pin)
6	2 ft. F14 or 4 ft. F28 (T5 mini bi-pin)
8	2 ft. F24 or 4 ft. F48 (T12HO RDC)

Voltage / frequency

7	120-277V, 50/60 Hz
6	347V, 60 Hz (contact factory)
9	480V, 60 Hz (contact factory)

7

1

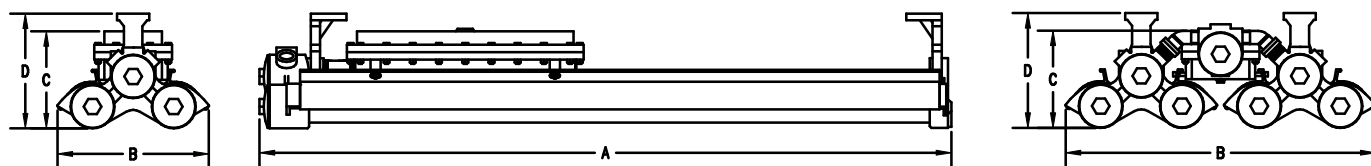
Mounting style

0	Low profile, three position pendant mount
1	Pendant mount, ½" NPT hub added to power end; ZP1095MTK not included; ZP1050 pendant bracket included (for 2 globe models only)
3	Surface/ceiling mount standard design; ZP1093MTK brackets included; drop bracket mounting available separately

Options

EM1 ^B	Emergency battery back-up ballast, one lamp, 277V max.
EM2 ^C	Emergency battery back-up ballast, one lamp, 277V max.
EM3 ^C	Emergency battery back-up ballast, high lumen, 277V max.
LL	Long life lamps (F54T5HO only)
PS	Polycarbonate shield
WG	Stainless steel wire guard

Dimensions:



Nominal length	Dimensions in inches / centimeters				Carton L x W x D (in.)	Nominal weight lbs. (kg.)
	A	B	C	D		
2 foot, 2 tube	27.50 (69.90)	11.30 (28.60)	7.30 (18.60)	8.50 (21.60)	34 ⁵ / ₈ x 13 ³ / ₈ x 10 ³ / ₈	52.0 (23.6)
4 foot, 2 tube	51.50 (130.80)	11.30 (28.60)	7.30 (18.60)	8.50 (21.60)	58 ³ / ₄ x 12 ³ / ₄ x 10	61.5 (27.9)
4 foot, 4 tube	51.50 (130.80)	23.50 (59.70)	7.30 (18.60)	9.50 (24.10)	55 ¹ / ₁₆ x 17 ³ / ₄ x 10 ³ / ₁₆	119.0 (54.0)

^B Lamp types 5 and 6.

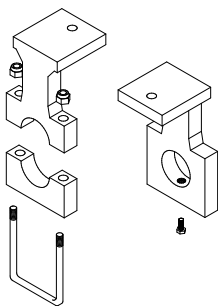
^C Not available for lamp type 5.

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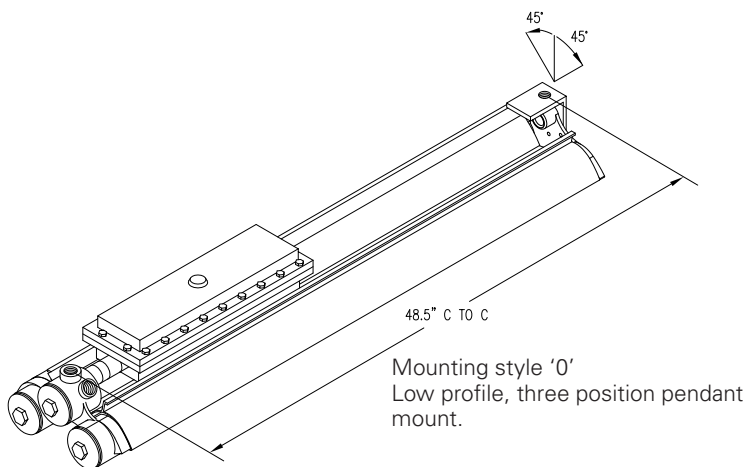
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Mounting options:

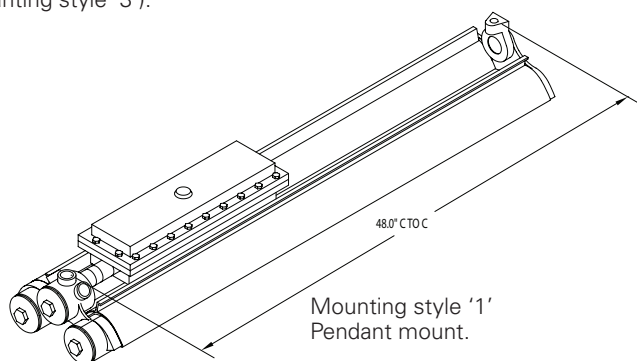


ZP1093MTK

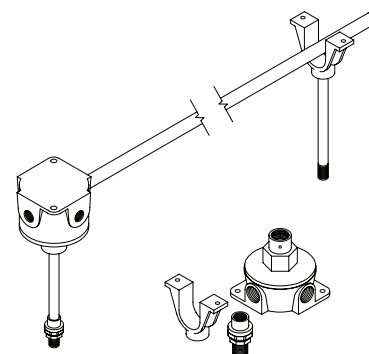
Surface/ceiling mount kit.
Two brackets (included in
mounting style '3').



Mounting style '0'
Low profile, three position pendant
mount.

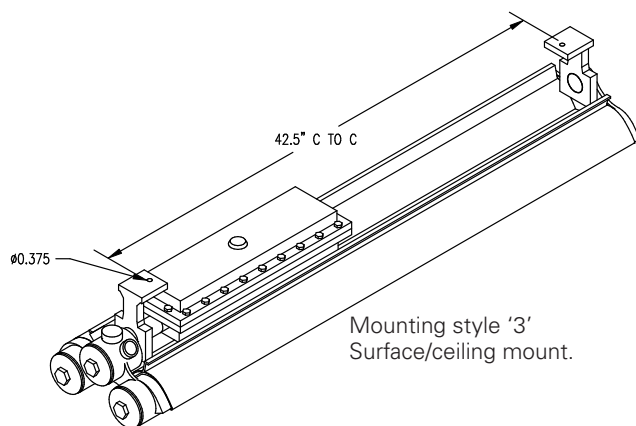


Mounting style '1'
Pendant mount.

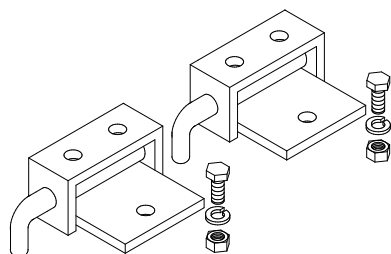


ZP1095MTK

Pendant mount kit.
1 - 1/2" union, saddle strap, Class I, Division 1
box and cover with 1/2" NPT hubs (for use with
mounting style '1').

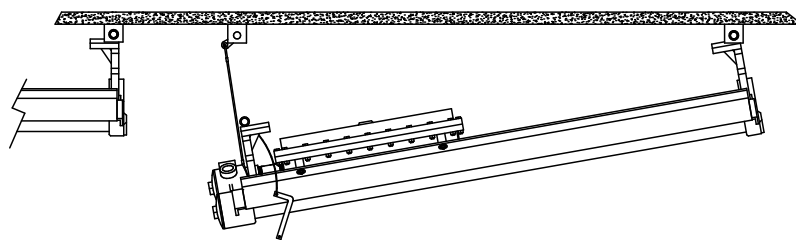


Mounting style '3'
Surface/ceiling mount.



ZP1099MTK

Drop bracket mounting kit.
Two drop brackets and support cable. Two kits required for
4-lamp model (for use with mounting style '3' only).

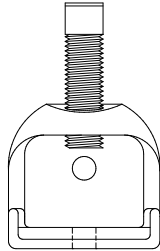
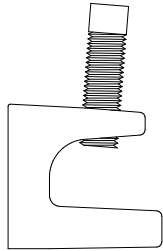


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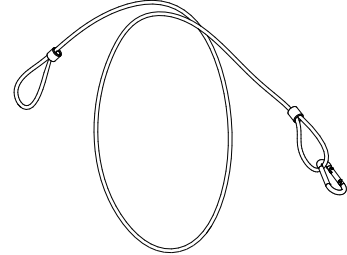
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Accessories (ordered separately):



1.1250"
jaw opening
0.3125"
mounting holes
1/2" set screw



BEAM CLAMP KITS

BC2K

Two beam clamp kit.
For use with ceiling/surface mount '3'.
(Two kits required for 4-tube model).

SC30H

48" safety cable.
Stainless steel with snap hook.

ZP-BCKT

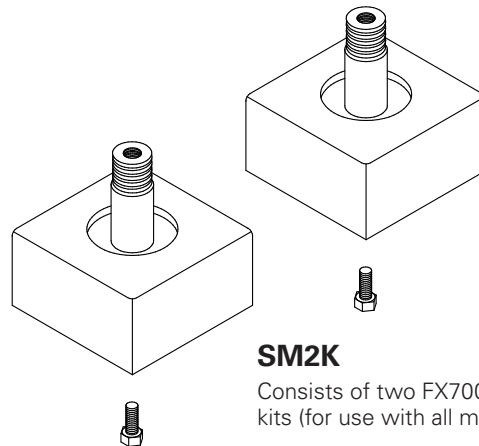
Includes BC2K and SC30H

ZP-SMKT

Includes BC2K, SC30H and SM2K

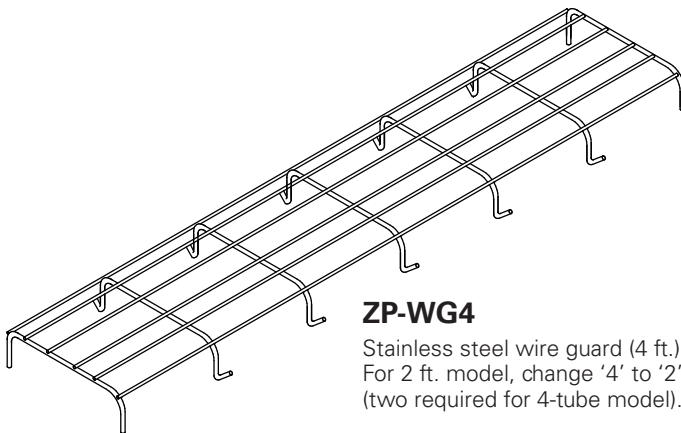
ZP-DPKT

Includes BC2K, SC30H and ZP1099MTK



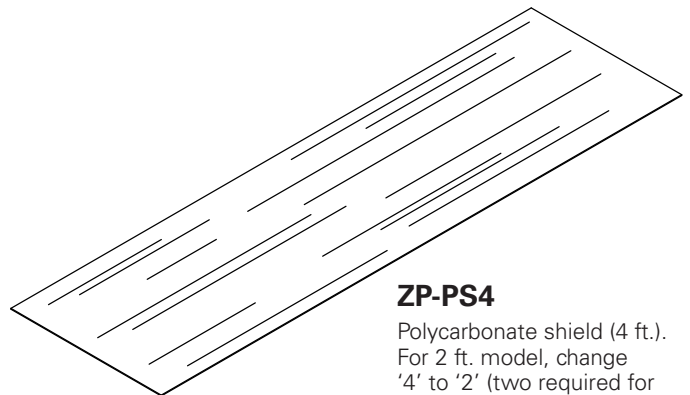
SM2K

Consists of two FX7004A shock mount kits (for use with all mounting kits).



ZP-WG4

Stainless steel wire guard (4 ft.).
For 2 ft. model, change '4' to '2'
(two required for 4-tube model).



ZP-PS4

Polycarbonate shield (4 ft.).
For 2 ft. model, change
'4' to '2' (two required for
4-tube model).