

Code•Master™ PLT Factory Sealed Luminaires

Explosionproof, Dust-Ignitionproof

Integrally Ballasted. 26 W, 32 W, 42 W, 52 W, 64 W, 84 W Compact Fluorescent. For use with Threaded Metal Conduit.

NEC:

Class I, Division 1 and 2, Groups B♦, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
NEMA 4X
Suitable for use in wet locations

CEC:

Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
CSA 4X

Applications

- For use in hazardous locations such as plants where plastics, paints, thinners and petrochemicals are manufactured, and in other areas where ignitable vapors, dust, moisture and corrosive elements may be present.
- For use in areas where an instant-on white light is desired.
- Suitable for use in wet locations.
- Standard fixtures designed for 26 W, 32 W, 42 W, 52 W (two 26 W), 64 W (two 32 W), and 84 W (two 42 W) PLT lamps.
- Cold weather starting to a minimum temperature of -18 °C (0 °F) for the Code•Master Jr. PLT and -30 °C (-22 °F) for the Code•Master 2 PLT.

Features

- Fixtures operate safely in high ambient temperatures.
- Arrangement of heat-producing components results in efficient heat dissipation for cooler fixture operation.
- Patented “wireless” design. Threading of fixture unit onto mounting hood makes electrical connection. The only wiring required is attaching two wires to connection block in mounting hood.
- Connection block is easily wired: (a) loosen two screws; (b) make wire connections; and (c) reposition connection block.
- Safe, easy servicing without disconnecting any wiring. “Wireless” fixture unit threads off mounting hood for convenient servicing or for immediate replacement with a “stand-by” unit.
- Acme double-lead threads speed installation and fixture removal from mounting hood – only half as many turns are required as for single-lead threads. The threads do not stick, or gall, eliminating problems often encountered with single-lead threads during fixture unit removal.
- All threaded joints are flame-tight.
- Factory sealed. External seals not required for Groups C and D.
- Fixtures for use in Group B locations are furnished complete with UL required sealing fitting for Code•Master Jr. PLT only.
- Heat- and impact-resistant globes have smooth dust-resistant exterior.
- Superior corrosion resistance, with epoxy powder coat finish.
- Fluorescent light source reduces energy cost.
- Strategic location of lamp socket, in combination with interior prism design of the glass globe, provides optimum light distribution and control.
- Choice of mountings – pendant, ceiling, bracket and stanchion.
- Optional guards protect globes from damage. Secured to fixture with three stainless steel screws.
- Fiberglass reinforced polyester reflectors, in standard dome or 30° angle styles, are ideal in installations where luminaire is subject to exceptionally severe corrosive atmospheres. The high bay aluminum reflector is intended for installations where mounting height work planes range from 6 to 9 m (20 to 30 ft).
- Fluorescent lamp life of 10,000 hours reduces relamping cost compared to incandescent, and provides superior T numbers.

Standard Materials

- Ballast bodies and guards: copperfree (4/10 of 1% max.) aluminum
- Pendant mounting hoods: diecast copperfree (4/10 of 1% max.) aluminum
- Ceiling, bracket and stanchion mounting hoods: sand cast copperfree (4/10 of 1% max.) aluminum
- Reflectors: fiberglass reinforced polyester (white) or aluminum



26-42W Code•Master Jr. PLT



52-84W Code•Master 2 PLT

Illustrated Features



As Fixture unit is threaded into mounting hood an automatic electrical connection is made.

Standard Finishes

- Ballast bodies, guards and mounting hoods: epoxy powder coat finish, electrostatically applied for complete, uniform corrosion protection

NEC/CEC Certifications and Compliances

- UL Standard: UL 1598, UL 844
- UL Listed: E10444
- CSA Standard: C22.2 No. 250, C22.2 No. 137
- CSA Certified: 025428

♦ Fixtures are for use with Group B atmospheres only when used with Group B mounting hoods. For 26 W, 32 W, and 42 W fixtures only.

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Mounting Hoods

	Hub Size (Inches)	Catalog Number
Pendant 	3/4	CAP-75
	1	CAP-100
Ceiling 	3/4	CAC-75
	1	CAC-100
Bracket 	3/4	CALB-75
	1	CALB-100
25° Stanchion 	1-1/4 or 1-1/2 ①	CAS-150 ①
Mounting Adapter with Connection Block 		CMAD-1

Fixture Units

	Line Voltage	Hz	Catalog Number
Ballast body with globe  26-42 W 52-84 W	120-277	50/60	CJB26FBU ②
	120-277	50/60	CJB32FBU ②
	120-277	50/60	CJB42FBU ②
	120-277	50/60	CMBF52BU
	120-277	50/60	CMBF64BU
	120-277	50/60	CMBF84BU

Electrical Specification

Lamp Wattage	Line Voltage	Frequency (Hz)	Line Amps	Input Watts	Min. Starting Temp
26 (1 x 26)	120-277	50/60	0.25-0.11	28	-18 °C (0 °F)
32 (1 x 32)	120-277	50/60	0.27-0.12	36	-18 °C (0 °F)
42 (1 x 42)	120-277	50/60	0.35-0.16	48	-18 °C (0 °F)
52 (2 x 26)	120-277	50/60	0.49-0.20	55	-30 °C (-22 °F)
64 (2 x 32)	120-277	50/60	0.57-0.24	67	-30 °C (-22 °F)
84 (2 x 42)	120-277	50/60	0.73-0.31	87	-30 °C (-22 °F)

♦ Fixtures are for use with Group B atmospheres only when used with Group B mounting hoods. For 26 W, 32 W, and 42 W fixtures only.

① 1-1/2" tapped hub furnished with 1-1/2" to 1-1/4" reducer.

② Denotes items that are suitable for Class I, Group B in addition to Class I, Groups C and D; and Class II, Groups E, F and G.

Shaded items are suitable for Class I, Group C in addition to Class I, Group D; Class II, Groups E, F and G; and Class III.

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