

# Code•Master™ Incandescent Factory Sealed Luminaires

## Explosionproof, Dust-Ignitionproof

For use with threaded metal conduit.

### NEC:

Class I, Division 1, Groups C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 3R, 4X

### Applications

- For use in hazardous locations such as plants where plastics, paints, thinners and petrochemicals are manufactured.
- For use in chemical and petrochemical plants, such as manufacturers of plastics, paints and thinners, in refineries, and in other areas where ignitable vapors, dust, moisture and corrosive elements may be present.
- Suitable for outdoor saltwater locations and for other wet locations.

### Features

- Fixtures operate safely in high ambient temperatures.
- 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) re-position 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.
- Strategic location of lamp socket, in combination with interior prism design of the glass globe, provides optimum light distribution and control.
- Heat- and impact-resistant globes have smooth dust-resistant exterior.
- Superior corrosion resistance, with epoxy powder coat finish.
- Porcelain socket with nickel-plated phosphor bronze screw shell. Assures long trouble-free operation in high ambient areas.
- Choice of mountings: pendant, ceiling, bracket and stanchion.
- Fiberglass-reinforced polyester reflectors, in standard dome or 30° angle styles, are ideal in installations where luminaire is subject to exceptionally severe corrosive atmospheres.
- All threaded joints are flame-tight.
- Heat- and impact-resistant globes have smooth dust-resistant exterior.
- Superior corrosion resistance, with epoxy powder coat finish.
- Optional guards protect globes from damage. Secured to fixture with three stainless steel screws.
- Medium base lamp socket.
- Maximum voltage 250 Vac 50/60 Hz.



### Standard Materials

- Fixture housing, mounting hoods and guards: copperfree (4/10 of 1% max.) aluminum
- Globes: prismatic glass
- Reflectors: fiberglass reinforced polyester

### Standard Finishes

- Fixture housing, guards and mounting hoods: epoxy power coat finish, electrostatically applied for complete, uniform corrosion protection

### Options

- Add suffix **-Z** for Exd IIB + H<sub>2</sub>, Zone 1.

### NEC Certifications and Compliances

- UL Standard: UL 1598, UL 1598A, UL 844
- UL Listed: E10444

Appleton®

INCANDESCENT/AREA: NEC/CEC EXPLOSIONPROOF

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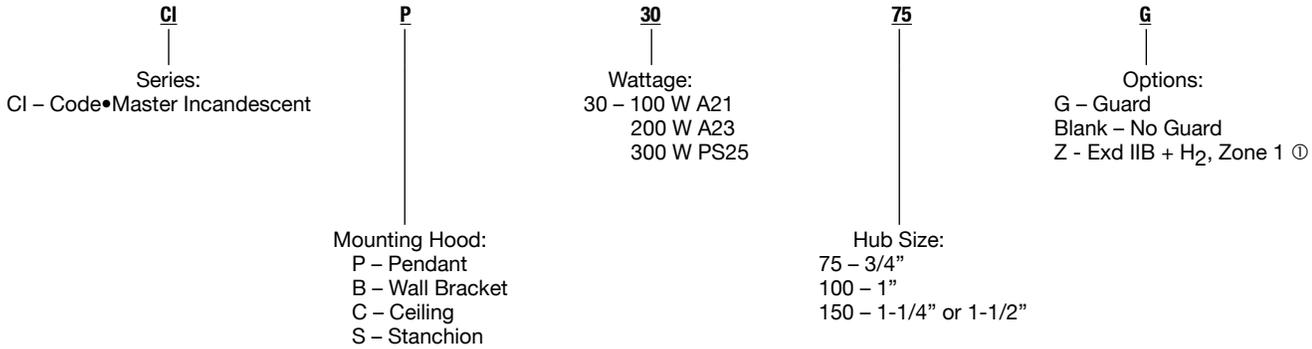
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Order using catalog numbering guide below or select catalog number from tables on following pages.

**Catalog Numbering Guide**



Appleton

**Technical Data Thermal Suitability of Code•Master Incandescent Fixture.**

Lamp Type	Lamp Watts (Max.)	Use Wire Supply °C (°F)	Ambient Temperature °C (°F)	Class I, Division 1, Groups C and D	Class II, Division 1, Groups E, F and G
Incandescent (A21)	100	75 (167)	40 (140)	<b>T5</b>	<b>T3C</b>
Incandescent (A23)	200	75 (167)	40 (140)	<b>T4</b>	<b>T3C</b>
Incandescent (PS25)	300	75 (167)	40 (140)	<b>T3C</b>	<b>T3C</b>

“T” Numbers Represent the Maximum External Temperature for Class I, Division 1 Locations and Maximum Surface Temperature Under Dust Blanket for Class II, Division 1 Locations.

“T” Number	T1	350	325	T2	T2A	T2B	T2C	T2D	T3	T3A	T3B	T3	T4	T4A	T5	T6
Temp Range (°C)	351-450	326-350	301-325	281-300	261-280	231-260	216-230	201-215	181-200	166-180	161-165	136-160	121-135	101-120	86-100	85
Temp Range (°F)	664-842	619-662	574-617	538-572	502-536	448-500	421-446	394-419	358-392	331-356	322-329	277-320	250-275	214-248	187-212	185

NOTE: The maximum operating temperature of the fixture must not exceed the ignition temperature of the gas, vapor or dust to be encountered per the National Electrical Code and the Canadian Electrical Code.

① Certified to meet the Canadian Electrical Code (CEC) only.

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	Type Mounting	Hub Size (Inches)	Hub Size (Inches)	Catalog Number ③	
<b>Pendant</b>		One Hub Rigid Conduit.	3/4	CIP3075	
			1	CIP30100 ②	
<b>Ceiling</b>		Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	CIC3075	
			1	CIC30100 ②	
<b>Wall Bracket</b>		Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	CIB3075	
			1	CIB30100 ②	
<b>25° Stanchion</b>		One Hub	1-1/2	CIS30150	
<b>Mounting Hoods</b>					
	Type Mounting	Hub Size (Inches)	Hood Weight kg (lb)	Catalog Number	
<b>Pendant</b>		One Hub Rigid Conduit	3/4	0.9 (1.98)	CAP-75
			1	0.9 (1.98)	CAP-100 ②
<b>Ceiling</b>		Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	1.8 (3.97)	CAC-75
			1	1.8 (3.97)	CAC-100 ②
<b>Bracket</b>		Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	2.7 (5.95)	CALB-75
			1	2.7 (5.95)	CALB-100 ②
<b>25° Stanchion</b>		One Hub	1-1/4 or 1-1/2 ①	0.9 (1.98)	CAS-150 ①

① 1-1/2" Tapped hub furnished with 1-1/2" to 1-1/4" reducer.  
 ② 1" Hubs are listed for Group D only.  
 ③ Catalog numbers shown are supplied with clear lens. Add suffix **G** for optional Guard.