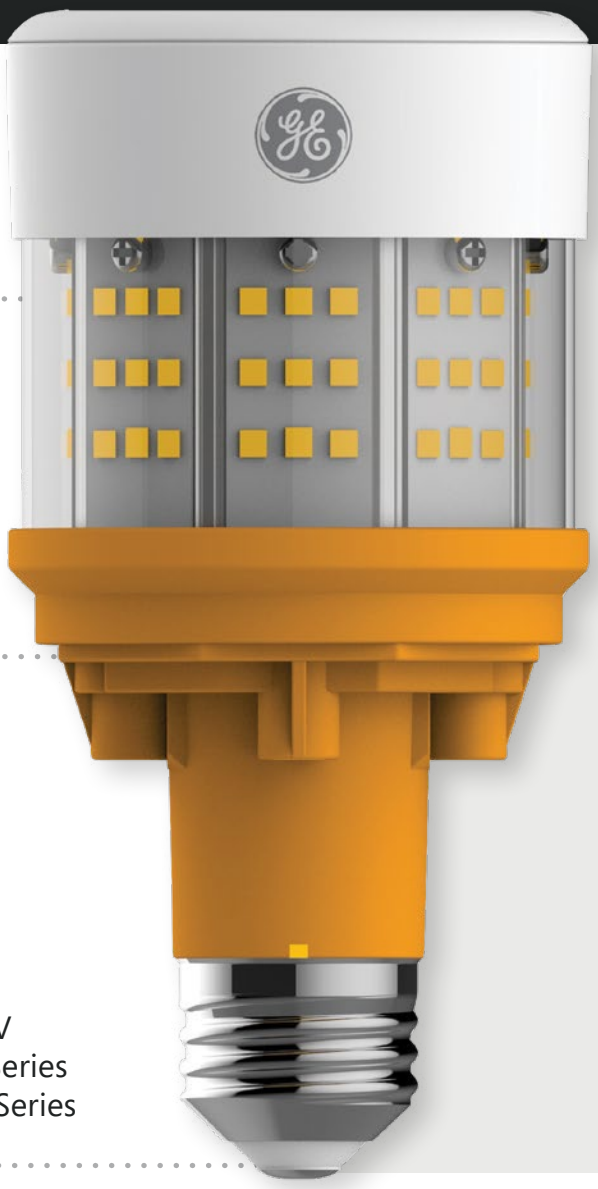
GE current
a Daintree company

LED Hazardous Location Lamps

A Smarter, Safer Switch From HID

AVAILABLE ONLY IN TYPE B



RATED FOR CLASS 1, DIVISION 2 A, B, C, D

INDUSTRY-LEADING ANSI DESIGN

UL-CERTIFIED FIXTURES

GE Filtr-Gard™
Crouse-Hinds Champ® VMV
Appleton™ Mercmaster™ II Series
Appleton™ Mercmaster™ III Series

50,000-hour rated life
2.5x longer life than HID

50% less energy usage
with similar light output

E39 socket adapter included for mogul base applications

High maximum temperature ratings
21W: 65°C | 35W: 55°C
45W: 45°C

Minimum starting temperature: -20°C

For use at drilling rigs, petrochemical facilities, food and beverage facilities and other heavy-industry areas

A Versatile Turn for the Better

LED hazardous location lamps from GE Current, a Daintree company, offer industry-leading light output, efficiency, versatility and durability in places where flammable vapors and gases are present. The quality and reliability of these lamps—including an E39 adapter with every purchase—set us apart from the competition.

EASY INSTALLATION
with the included E39 socket adapter

What's Considered a Hazardous Location?

Hazardous locations are defined in terms of Class, Division and Group, per the NEC. The definition of each is as follows:

- **CLASS I** locations are those in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.
- **DIVISION 2** is an environment that is not normally hazardous. Each Division may be further classified according to the particular gas, vapor or dust by defining the areas by Groups. See table on the right.

CLASS I, DIVISION 2 HAZARDOUS ATMOSPHERE

NEC Class	Division	Group	Typical Atmosphere and Autoignition Temperatures
I Gases, Vapors	2 Not normally hazardous	A	Acetylene (305°C, 581°F)
		B	Hydrogen (502°C, 986°F) manufactured gases containing more than 30% hydrogen (by volume)
		C	Ethylene (450°C, 842°F) Cyclopropane (503°C, 938°F)
		D	Hexane (225°C, 437°F) Butane (288°C, 550°F) Propane (450°C, 842°F) Acetone (465°C, 869°F) Benzene (420°C, 788°F) Gasoline (280–471°C, 536–880°F)

Temperature Profiles

In the following temperature profile data chart, when a T code is used, the chart explains the temperature maximum (°C).

TEMPERATURE CODE

	Identification Number	°C	Identification Number	°C
Maximum Temperature Range Identification Number	T1	450	T3A	180
	T2	300	T3B	165
	T2A	280	T3C	160
	T2B	260	T4	135
	T2C	230	T4A	120
	T2D	215	T5	100
	T3	200	T6	85

APPROVED UL FIXTURES – TEMPERATURE PROFILE DATA

UL Fixture	Lamp Wattage	Max. Ambient Temp. 40°C	Max. Ambient Temp. 55°C	Max. Ambient Temp. 65°C	Current LED Recommended Hazardous Replacement Wattage	LED Replacement Temperature Code
Classifications: Class 1, Division 2 – Groups A, B, C, D						
GE Filtr-Gard™	50	T3A	T3	T3	21	T4A
GE Filtr-Gard™	70	T3A	T3	T3	35	T4A
GE Filtr-Gard™	100	T2B	T2C	T2C	35/45	T4A/T4
GE Filtr-Gard™	150	T2A	T2	T2	45	T4
GE Filtr-Gard™	250	N/A	N/A	N/A	45	T4
Appleton™ Mercmaster™ II	50	T3	N/A	N/A	21	T4A
Appleton™ Mercmaster™ II	70	T3	N/A	N/A	35	T4A
Appleton™ Mercmaster™ II	100	T2C	N/A	N/A	35/45	T4A/T4
Appleton™ Mercmaster™ II	150	T2A	N/A	N/A	45	T4
Appleton™ Mercmaster™ II	175	T2B	N/A	N/A	45	T4
Appleton™ Mercmaster™ III	50	T3B	T3A	T3	21	T4A
Appleton™ Mercmaster™ III	70	T3A	T3A	T3A	35	T4A
Appleton™ Mercmaster™ III	100	T2D	T2D	T2D	35/45	T4A/T4
Appleton™ Mercmaster™ III	150	T2B	T2A	N/A	45	T4
Appleton™ Mercmaster™ III	175	T2B	T2A	T2	45	T4
Appleton™ Mercmaster™ III	250	T2	T2	N/A	45	T4
Crouse-Hinds Champ® VMV	50	T3A	T3A	T3	21	T4A
Crouse-Hinds Champ® VMV	70	T3	T3	N/A	35	T4A
Crouse-Hinds Champ® VMV	100	T2C	T2B	N/A	35/45	T4A/T4
Crouse-Hinds Champ® VMV	150	T2A	T2	N/A	45	T4
Crouse-Hinds Champ® VMV	250	N/A	N/A	N/A	45	T4

Increased energy savings + lower heat profile = lower temperature code

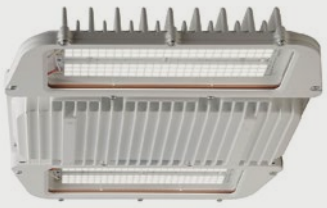
LED HID TYPE B REPLACEMENT LAMPS

Bulb Shape	Base Type*	Watts	Order Code	Description	Volts	Case Qty.	MOL (in.)	Lumens Initial	Initial Color Temp.	CRI	Wattage Replacement	Rated Life L70 (hrs.)	Dimmable	DLC®**	Location Rating	Additional Info
LED Replacement Lamps for HID																
ED17 	E26	21	93134832	LED21ED17/730/HAZ	120–277	3	5.4	3000	3000K	>70	50	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	21	93134833	LED21ED17/740/HAZ	120–277	3	5.4	3000	4000K	>70	50	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	21	93134834	LED21ED17/750/HAZ	120–277	3	5.4	3000	5000K	>70	50	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	35	93134829	LED35ED17/730/HAZ	120–277	3	5.4	5000	3000K	>70	70	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	35	93134830	LED35ED17/740/HAZ	120–277	3	5.4	5000	4000K	>70	70	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	35	93134831	LED35ED17/750/HAZ	120–277	3	5.4	5000	5000K	>70	70	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	45	93134846	LED45ED17/730/HAZ	120–277	3	5.4	6000	3000K	>70	100	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	45	93134847	LED45ED17/740/HAZ	120–277	3	5.4	6000	4000K	>70	100	50,000	-	N/A	Damp	Ballast Bypass Required
	E26	45	93134848	LED45ED17/750/HAZ	120–277	3	5.4	6000	5000K	>70	100	50,000	-	N/A	Damp	Ballast Bypass Required

*E39 socket adapter is included for mogul base applications.
**No DLC category for hazardous rated.

Current Offers a Complete Hazardous Portfolio Ranging From Fixtures to Lamps

ALBEO® HIGH BAY & LOW BAY LIGHTING



EVOLVE® HAZARDOUS LOCATION FLOODLIGHTS

To learn more about hazardous location lighting, visit **products.gecurrent.com/hazardous-location-lighting.**

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