



SOLAS RAY™ LIGHTING

# HAZARDOUS LOCATION LED LIGHTING DECISION GUIDE 2022



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### Typical hazardous areas that require certified lighting

- Petroleum Production
- Petroleum Storage
- Petroleum Loading
- Petroleum Transportation
- Retail Petroleum
- Petroleum Pumping Stations
- Waste Water Treatment
- Chemical Production
- Chemical Storage
- Food Production
- Distilling Production
- Foundry & Fabrication
- Mining Operations
- Mining Services
- Drilling Production
- Military Production
- Aerospace Production
- Electrical Power Generation
- Electrical Power Stations
- Fine Particle Production
- Fine Particle Storage
- Paint Booths
- Paint Facilities
- Ocean Platforms
- Ocean Vessels
- Metal Smelting
- Textile Facilities
- Agriculture Facilities
- Ice Factories
- Maintenance Buildings



## Identifying a Hazardous Location Area

Fire begins with ignition, which may be associated with electricity. Heat is necessary to begin the process of combustion. Once started, fire produces its own heat and from there it only needs fuel and oxygen to continue the combustion process.



## Fire / Explosion requires three things:

1. There must be Fuel to burn.
2. There must be Air to supply oxygen.
3. There must be Heat to start and continue the combustion process.

## Selecting HazLoc LED Lighting by Class



### Class I

**Flammable Gases or Vapors**

## Division 1

### Groups A, B, C & D

1. Ignitable concentrations of flammable gases or vapors may exist under normal operating conditions.
2. Ignitable concentrations of such gases or vapors may exist frequently because of repair or maintenance operations or because of leakage.
3. Breakdown or faulty operation of equipment or processes might release ignitable concentrations of flammable gases or vapors, and might also cause simultaneous failure of electric equipment.



### Class II

**Combustible Dusts**

## Division 1

### Groups E, F & G

1. Where combustible dust is present in the air under normal operating conditions in such a quantity as to produce explosive or ignitable mixtures. This could be on a continuous, intermittent or periodic basis.
2. Where an ignitable and/or explosive mixture could be produced if a mechanical failure or abnormal machinery operation occurs.
3. Where electrically conductive dusts in hazardous concentrations are present.



### Class III

**Easily Ignitable Fibers or Flyings**

## Division 2

### Groups E, F & G

1. Volatile flammable liquids or flammable gases are handled, processed or used, but the hazardous liquids, vapors or gases will normally be confined within closed containers or closed systems from which they can escape only in the event of accidental rupture or breakdown of such containers or systems, or as a result of abnormal operation of equipment.
2. Ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation and which might become hazardous through failure or abnormal operations of ventilating equipment.
3. Adjacent to a Class I, Division 1 location, and to which ignitable concentrations of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive-pressure ventilation from a source of clean air, and effective safeguards against ventilation failure are provided.

## Division 2

### Groups E, F & G

1. Combustible dust will not normally be in suspension in the air in quantities sufficient to produce explosive or ignitable mixtures, and dust accumulations will normally be insufficient to interfere with the normal operation of electric equipment or other apparatus, but combustible dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment.
2. Resulting combustible dust accumulations on, in or in the vicinity of the electric equipment may be sufficient to interfere with the safe dissipation of heat from electric equipment or may be ignitable by abnormal operation or failure of electric equipment.

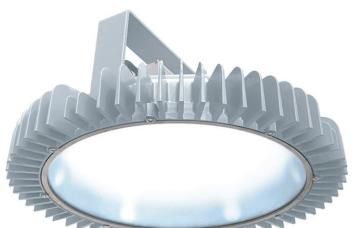
## Class I Material Groups

Group A	Group B	Group C	Group D
• Acetylene	• Hydrogen • Butadine • Ethylene Oxide • Propylene Oxide	• Ethylene • Cyclopropane • Ethyl Ether	• Propane • Gasoline • Acetone • Hexane • Ammonia • Ethanol • Methanol • Benzene • Naphtha • Toluene • Acrolien • Natural Gas • Butane

## Class II Material Groups

Group E Combustible Metal Dusts	Group F Combustible Carbonaceous Dusts	Group G Any Other Combustible Dusts
• Aluminum • Magnesium • Commercial Alloys • Coke Dusts	• Coal • Carbon Black • Charcoal • Plastic	• Flour • Grain • Wood





#HH

### The Beast HazLoc High Bay

- 20" Diameter design delivers optimal light output to large surface areas.
- Class I Division 2 - Groups A, B, C, D | Class II Division 2 - Groups F, G
- Passive cooling radiator design with nylon corrosion resistant powder coat.
- Ambient temperature capabilities: -40° C to 65°C (149°F).

Wattage	Voltage	CCT	Lumens	Efficacy
170 W			18,625 lm	110 lm/W
215 W	120 - 277 / 347 - 480	5000K	24,055 lm	112 lm/W
368 W			39,647 lm	108 lm/W
419 W			45,700 lm	109 lm/W



#HL

### The mini Beast HazLoc High Bay

- 14" Diameter design delivers optimal light output to large surface areas.
- Class I Division 2 - Groups A, B, C, D | Class II Division 2 - Groups F, G
- Passive cooling radiator design with nylon corrosion resistant powder coat.
- Ambient temperature capabilities: -40° C to 65°C (149°F).

Wattage	Voltage	CCT	Lumens	Efficacy
55 W			6,061 lm	110 lm/W
104 W	120 - 277 / 347 - 480	5000K	13,011 lm	125 lm/W
170 W			19,058 lm	112 lm/W



#HTR16C

### The Boss HazLoc High Bay

- 16" Diameter UL STANDARDS - UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D | Class II Div 1 - Groups E, F, G
- Marine grade housing is crush, high impact and salt water spray resistant.
- Aluminum housing with oven baked, powdered nylon coating for increased corrosion resistance.

Wattage	Voltage	CCT	Lumens	Efficacy
140 W			12,339 lm	
160 W			14,003 lm	
180 W	120 / 277 / 480	3000K / 5000K	15,811 lm	88 lm/W
200 W			17,505 lm	
220 W			19,300 lm	
240 W			21,006 lm	



#HTR11C

### The Guard C HazLoc

- 11" Diameter with fixture chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 2 - Groups F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
120 W	120 / 277 / 480	3000K / 5000K	10,800 lm	90 lm/W
140 W			12,000 lm	86 lm/W



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149°F  
5-Year Warranty  
CII/D1  
CII/D2  
CII/D1



#HTR9C

**The Monitor C HazLoc**

- 9" Diameter Chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
60 W			6,000 lm	
80 W	120 / 277 / 480	3000K / 5000K	8,000 lm	100 lm/W
100 W			10,000 lm	



149°F  
5-Year Warranty  
CII/D1  
CII/D2



#HTR9BB

**The Monitor Battery Backup HazLoc**

- 9" Diameter surface mounted devices (SMD) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
60 W	120 / 208 / 277	3000K / 5000K	3,800 lm	63 lm/W



104°F  
5-Year Warranty  
CII/D2



#HTR92HDIP

**The Monitor HD<sup>IP</sup> Digital Camera HazLoc**

- 9" Diameter Chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- 1080p or 720p HD for OS Windows 7, 8 or 10 with ONVIF surveillance capability.
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT
40 W		3000K / 5000K
60 W	120 / 277 / 480	



104°F  
5-Year Warranty  
CII/D1  
CII/D2  
CII/D1



#HTR7C

**The Lookout C HazLoc**

- 7" Diameter Chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D | Class II Div 1 - Groups E, F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
40 W	120 / 277 / 480 / 24	3000K / 5000K	3,800 lm	
60 W			5,700 lm	95 lm/W



104°F  
5-Year Warranty  
CII/D2  
CII/D1



#HTR5

**The Spotter C HazLoc**

- 5" Diameter with fixture chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 2 - Groups F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
20 W	120 / 277 / 480	3000K / 5000K	2,000 lm	100 lm/W

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104°F  
5-Year Warranty  
C1/D1  
C1/D2  
CII/D1  
CII/D2



#HTJ

**The Scout C HazLoc**

- 7.5" Chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 1 - Groups E, F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
20 W			2,000 lm	
40 W			4,000 lm	
50 W	120 / 277 / 480	3000K / 5000K	5,000 lm	100 lm/W
70 W			7,000 lm	
80 W			8,000 lm	



140°F  
5-Year Warranty  
C1/D1  
C1/D2  
CII/D1  
CII/D2



#HJCR

**The Sentinel HazLoc**

- 14", 16" and 17.44" diameter fixtures with corrosion resistant, gray nylon powder coated aluminum alloy housings.
- Class 1 Division 1 - Groups C, D | Class 1 Division 2 - Groups A, B, C, D
- Class 2 Division 1 - Groups E, F, G | Class 2 Division 2 - Groups E, F, G

Wattage	Voltage	CCT	Lumens	Efficacy
20 W			2,800 lm	
60 W			8,400 lm	
80 W			11,200 lm	
100 W			14,000 lm	
120 W	100 - 277 / 200 - 480	4000K / 5000K	16,200 lm	140 lm/W
150 W			20,250 lm	
180 W			24,300 lm	
200 W			27,000 lm	
240 W			33,600 lm	
280 W			39,200 lm	



122°F  
5-Year Warranty  
C1/D2  
CII/D1  
CII/D2



#HJBR

**The Foreman HazLoc**

- Three sizes, 9.2", 10.6", 14.62" diameters corrosion resistant, gray nylon powder coated aluminum alloy housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G

Wattage / Diameter	Voltage	CCT	Lumens	Efficacy
20 W / 9.2"	100 - 277		2,800 lm	
40 W / 9.2"			5,600 lm	
60 W / 9.2", 10.6"			8,400 lm	
80 W / 9.2", 10.6"		4000K / 5000K	11,20 lm	140 lm/W
100 W / 9.2", 10.6"	100 - 277 / 200 - 480		14,000 lm	
120 W / 10.6", 14.62			16,800 lm	
150 W / 10.6", 14.62			21,000 lm	
200 W / 10.6", 14.62			28,000 lm	



**The Pilot HazLoc**

- 6.8" diameter corrosion resistant, gray nylon powder coated aluminum alloy housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G

Wattage	Voltage	CCT	Lumens	Efficacy
10 W			1,000 lm	
20 W			2,000 lm	
30 W	100 - 277	4000K / 5000K	3,000 lm	140 lm/W
40 W			4,000 lm	
50 W			5,000 lm	

**The Cadet HazLoc**

- 10.5" diameter, 64 watt design corrosion resistant, gray nylon powder coated aluminum alloy housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D

Wattage	Voltage	CCT	Lumens	Efficacy
64 W	120 - 277	5000K	8,957 lm	140 lm/W

**LED HAZLOC VAPOR TIGHT LIGHTING****The Barrier HazLoc Vapor Tight**

- 4.5 " diameter wet location rated fixture designed for multiple mounting scenarios.
- Corrosion resistant, polyester thermoplastic housing with impact resistant tempered glass globe with guard.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Neoprene gaskets seal each mounting option.

Wattage	Voltage	CCT	Lumens	Efficacy
16 W	120 - 277	5000K	1,150 lm	72 lm/W



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#### Quickly Replaces Outdated Hazardous Location Fixtures.

- One person installation.
- Reduced maintenance (no re-lamping).
- Instant-on with cold start to -65C.
- Incredible Energy savings.

Pendant Mount

Ceiling Mount

Wall Mount

90° Stanchion Mount

25° Stanchion Mount

Cone Mount  
Mercmaster III  
& Certilite OnlyQuad Mount  
Champ Only

Appleton Mercmaster II / Crouse-Hinds Champ / Killark (Hubbell) / Certilite &amp; Certilite



#### The Guard C HazLoc

- 11" Diameter with 'hinge-wire-close' installation feature and chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 2 - Groups F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
120 W	120 / 277 / 480	3000K / 5000K	10,800 lm	90 lm/W
140 W			12,000 lm	86 lm/W



#### The Monitor C HazLoc

- 9" Diameter with 'hinge-wire-close' installation feature and chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
60 W			6,000 lm	
80 W	120 / 277 / 480	3000K / 5000K	8,000 lm	100 lm/W
100 W			10,000 lm	



#### The Lookout C HazLoc

- 7" Diameter with 'hinge-wire-close' installation feature and chip on board (COB) driverless technology.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D | Class II Div 1 - Groups E, F, G
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
40 W	120 / 277 / 480 / 24	3000K / 5000K	3,800 lm	95 lm/W
60 W			5,700 lm	



## LED HAZLOC PAINT BOOTH LIGHTING



#### The Primer LED HaLoc Lay-In Paint Booth Light

- 8" x 48" opening with 1" overlay 22 Ga. white powder coated steel housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class 1 Division 2 - Groups A, B, C, D | Class 2 Division 2 - Groups F, G
- Factory sealed housing can be installed as surface mount or recessed.

Wattage	Voltage	CCT	Lumens	Efficacy
45 W	120 - 277	5000K	4,000 lm	140 lm/W
65 W			8,000 lm	





#HBRL

**BAA** COMPLIANT

### The Brute HazLoc Linear

- Two available lengths, 24", 48" corrosion resistant, marine grade, copper free aluminum housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups C, D | Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Heavy gauge extruded reflectors with highly reflective finish and impact and heat resistant tubes.

Wattage / Length	Voltage	CCT	Lumens	Efficacy	UL844	UL924	SP	CE	IK10	CERTIFIED	MARINE
40 W / 24"	120 - 277	3000K / 4000K / 5000K	4,200 lm	105 lm/W	C22.2 No. 250				IMPACT RATING	UL 1598	UL 1598 A
80 W / 48"			8,400 lm								



#HTL1



#HTL2

### The Keeper Two HazLoc Linear

- 26" long for marine and wet location, coated copper free aluminum alloy.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups A, B, C, D | Class II Div 2 - Groups F, G
- Sealed marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy	UL844	NEMA
40 W	120 / 277	3000K / 5000K	4,000 lm	100 lm/W	C	6 and 6P
60 W			6,000 lm			



#HJKL

### The Curator HazLoc Linear

- Two available lengths, 24", 48" corrosion proof, coated marine grade copper free aluminum housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups B, C, D | Class II Div 2 - Groups F, G
- Sealed marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy	UL844	NEMA
36 W / 24"			4,000 lm		C	6 and 6P
48 W / 24"			5,400 lm			
56 W / 24"			6,300 lm			
36 W / 48"	120 - 277	3000K / 4000K / 5000K / 6000K	4,000 lm	111 lm/W		
48 W / 48"			5,400 lm			
56 W / 48"			6,300 lm			
72 W / 48"			8,100 lm			
100 W / 48"			10,900 lm	109 lm/W		



#HJHL

### The Flyer HazLoc Linear

- Two available lengths, 24", 48" corrosion proof, coated marine grade copper free aluminum housing.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class 2 Division 1 - Groups E, F, G
- Class 2 Division 2 - Groups E, F, G

Wattage	Voltage	CCT	Lumens	Efficacy	UL844	SP
10 W / 24"			1,400 lm		C	US
20 W / 24"			2,800 lm			
40 W / 48"	120 - 277 / 200 - 480	4000K / 5000K	5,600 lm	140 lm/W	C22.2 No. 250	
50 W / 48"			7,000 lm			
60 W / 48"			8,000 lm			



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#HJIL

### The Steward HazLoc Linear

- 24", 48" oven baked coated aluminum with gray powdered nylon coating for increased corrosion resistance.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Paint/Spray designed and listed for use in paint or powder booths.

Wattage / Length	Voltage	CCT	Lumens	Efficacy
30 W / 24"			4,200 lm	
40 W / 24", 48"			5,600 lm	
60 W / 48"	100 - 277 / 200 - 480	4000K / 5000K	8,400 lm	140 lm/W
80 W / 48"			11,200 lm	
100 W / 48"			14,000 lm	
120 W / 48"			16,800 lm	



#HQH1

### The Mariner One HazLoc Linear

- Heavy-duty 12" die cast aluminum housing with powdercoat finish over a chromate conversion coating.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Clear or opal polycarbonate vandal-resistant lens and approved for use in natatoriums.

Wattage	Voltage	CCT	Lumens	Efficacy
26 W	120 - 277	4000K / 5000K	3,332 lm	128 lm/W
43 W			5,538 lm	129 lm/W



Listing based on clear polycarbonate lens in an open frame fixture.



#HQH2

### The Mariner Two HazLoc Linear

- Heavy-duty 24" die cast aluminum housing with powdercoat finish over a chromate conversion coating.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Clear or opal polycarbonate vandal-resistant lens and approved for use in natatoriums.

Wattage	Voltage	CCT	Lumens	Efficacy
58 W	120 - 277 / 347 - 480	4000K / 5000K	7,309 lm	126 lm/W
77 W			10,264 lm	133 lm/W

Listing based on clear polycarbonate lens.



#HQH4

### The Mariner Four HazLoc Linear

- Heavy-duty 48" die cast aluminum housing with powdercoat finish over a chromate conversion coating.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Clear or opal polycarbonate vandal-resistant lens and approved for use in natatoriums.

Wattage	Voltage	CCT	Lumens	Efficacy
126 W	120 - 277 / 347 - 480	4000K / 5000K	16,287 lm	129 lm/W
152 W			19,773 lm	130 lm/W

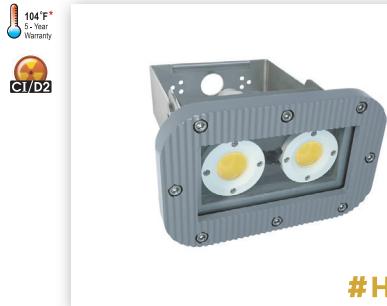
Listing based on clear polycarbonate lens.



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### The Attendant C Flood

- Chip on board (COB) driverless technology, housing is coated copper free aluminum alloy.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Marine grade housing is crush, high impact and salt water spray resistant.

Wattage	Voltage	CCT	Lumens	Efficacy
40 W	120 / 277 / 480	3000K / 5000K	4,000 lm	100 lm/W



### The Dominator Flood

- Two size floods, 11.6" and 15.7" heavy-duty die cast copper free aluminum alloy housing with powdercoat finish.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Flat tempered glass lens is factory sealed with 24 torqued bolts, paint and spray booth listed.

Wattage	Voltage	CCT	Lumens	Efficacy
20 W / 11.6"			2,800 lm	
40 W / 11.6"			5,600 lm	
60 W / 11.6"			8,400 lm	
80 W / 11.6"			11,200 lm	
100 W / 11.6"	120 - 277 / 347 - 480	4000K / 5000K	14,000 lm	140 lm/W
120 W / 15.7"			16,200 lm	
150 W / 15.7"			21,000 lm	
180 W / 15.7"			25,200 lm	
200 W / 15.7"			28,000 lm	
220 W / 15.7"			30,800 lm	



### The Patroller Flood

- Three sizes, 9.8", 12.6", 15" heavy-duty die cast copper free aluminum alloy housing with powdercoat finish.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 1 - Groups A, B, C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Flat tempered glass lens is factory sealed for paint and spray booth listed.

Wattage / Width	Voltage	CCT	Lumens	Efficacy
20 W / 9.1"			2,800 lm	
40 W / 9.1"			5,600 lm	
60 W / 9.1"			8,400 lm	
80 W / 12.6"			11,200 lm	
100 W / 12.6"	120 - 277 / 347 - 480	4000K / 5000K	14,000 lm	140 lm/W
120 W / 12.6"			16,200 lm	
150 W / 15"			21,000 lm	
180 W / 15"			25,200 lm	
200 W / 15"			28,000 lm	



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5-Year  
Warranty

CL/D2



#HCS

**The Warden HazLoc Flood**

- 8", 12", 16" heavy-duty die cast aluminum alloy housing with powdercoat finish.
- Economical flood lights sized for small, medium and large hazardous environments.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Flat tempered glass lens factory sealed in a smooth finished frame with optically designed LED reflector.

Wattage / Width	Voltage	CCT	Lumens	Efficacy
20 W / 8"			2,300 lm	
30 W / 8"	120 - 277	3000K / 4000K / 5000K	3,450 lm	
40 W / 8"			4,600 lm	
60 W / 12"			6,900 lm	
80 W / 12"	120 - 277 / 347 - 480		9,200 lm	115 lm/W
100 W / 12"			11,500 lm	
120 W / 16"			13,800 lm	
150 W / 16"	120 - 277		17,250 lm	
180 W / 16"			28,300 lm	

5-Year  
Warranty

CL/D2



#HQT

**The Trooper HazLoc Flood**

- 13.75" Economical flood light die cast, corrosion-proof aluminum alloy housing with nylon over powdercoat finish.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Flat tempered glass lens is factory sealed in a smooth finished frame.
- 0-10V dimmable and 6kV surge protection is standard and 20kV surge.

Wattage	Voltage	CCT	Lumens	Efficacy
140 W	120 - 277 / 347 - 480	5000K	15,046 lm	107 lm/W

5-Year  
Warranty

CL/D2



#HCCH

**The Navigator HazLoc Flood**

- Corrosion proof aluminum housing ideal for marine-based hazardous environments.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Heavy-duty die cast, corrosion-proof aluminum alloy housing with nylon over powdercoat finish.
- Flat tempered glass lens is factory sealed in a smooth finished frame.
- Salt water spray tested, extreme vibration, anti-resonance design is ideal for bridges, boats and tunnels.

Wattage	Voltage	CCT	Lumens	Efficacy
80 W	100 - 277 / 200 - 480	4000K / 5000K	8,000 lm	100 lm/W

5-Year  
Warranty

CL/D2



#HTSP

**The Sprite HazLoc Specialty Light**

- 12", 24" and 48" coated aluminum alloy housing with polycarbonate tube lens.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 2 - Groups F, G

Wattage / Length	Voltage	CCT	Lumens	Efficacy
10 W / 12"			1,000 lm	
20 W / 24"	120 / 220 / 277 / 347 / 480	3000K / 5000K	2,000 lm	100 lm/W
40 W / 48"			4,000 lm	
60 W / 48"			6,000 lm	



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Specifications and data are subject to change without notice.



#HEL10

#CTLES  
#CTL

#HJES



#HLWLEZU



#HPTL

**The Director HazLoc Emergency Light / Exit Sign Combo**

- 6" EXIT lettering with selectable directional chevrons.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Heavy-duty die cast aluminum housing is fully gasketed with UV stabilized polycarbonate cover.
- Advanced diagnostics and scheduled self testing with maintenance free 90 minute battery back-up.

Wattage	Voltage	CCT	Lumens	Efficacy
40 W	120 / 277 / 480	3000K / 5000K	2,000 lm	100 lm/W



NEMA 3, 4, 4X and 12

**The Commander HazLoc Emergency Light / Exit Sign Combo**

- Select one or two-sided placard with high visibility lettering, top mounted and removable heads.
- UL STANDARDS UL 844 - Hazardous Locations | UL924 | UL8750
- NEC and CEC Class I Div 1 - Groups C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Battery back-up for 3-hour run time.

Wattage	Voltage	Letter Colors	Beam Angles
4.83 W per lamp	120 - 277	Red / Green	Wide / Medium / Narrow



MARINE UL 1598 A

Water Location

IP65

Dust &amp; Fibers

**The Guide HazLoc Illuminated Emergency Exit Sign**

- High visibility lettering. High vibration rated design suitable for paint booths.
- UL STANDARDS UL 844 - Hazardous Locations | UL924 | UL8750
- NEC and CEC Class I Div 1 - Groups B, C, D | Class I Div 2 - Groups A, B, C, D
- Class II Div 1 - Groups E, F, G | Class II Div 2 - Groups E, F, G
- Corrosion proof coated aluminum alloy (copper free) housing listed for paint and spray booths.
- Self testing microprocessor with battery back-up for 3-hour run time.

Wattage	Voltage	Letter Colors
3 W	120 - 277	Red
5 W		



MARINE

Water Location

IP66

Dust &amp; Fibers

**The Evader HazLoc Illuminated Emergency Exit Sign**

- Select one or two-sided signs with lettering in high visibility red or green.
- UL STANDARDS UL 844 - Hazardous Locations | UL1598 - Luminaires | UL924
- NEC and CEC Class I Div 2 - Groups A, B, C, D
- Reinforced polycarbonate housing with UV stabilized polycarbonate lens.
- Internal solid-state transfer switch auto-connects the battery for 90 minutes of emergency lighting.

Wattage	Voltage	Letter Colors
3 W	120 - 277	Red / Green



CERTIFIED UL 1598

Water Location

Ex FEEDS

**The Pathfinder HazLoc Emergency LED Lighting**

- Two adjustable 15W LED lighting heads provide 1,300 lumens each.
- UL STANDARDS UL 844 - Hazardous Locations | UL925 | UL1604
- NEC and CEC Class I Div 2 - Groups A, B, C, D | Class II Div 2 - Groups F, G
- Two bottom-mounted four LED, dual driver lamps run for 90 minutes
- Fiberglass reinforced polyester cabinet is fully gasketed and lamps are die-cast aluminum.
- Standard self-diagnostic circuitry and infrared remote for testing the battery back-up system.

Wattage	Voltage
15 W per lamp	120 - 277



nEC

OSHA

NFPA

Water Location

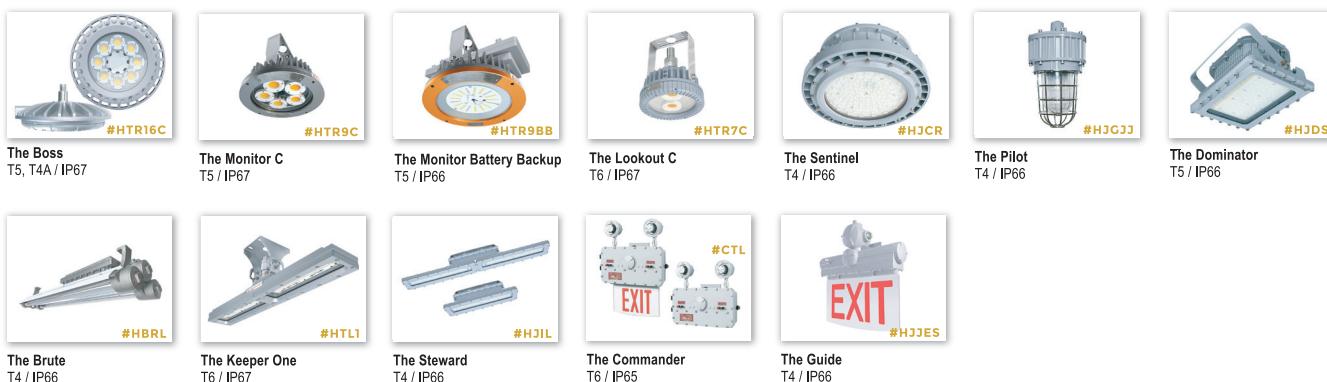
Dust &amp; Fibers



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## HAZLOC CLASS I DIVISION 1 PRODUCTS



## HAZLOC CLASS I DIVISION 2 PRODUCTS



## HAZLOC CLASS II DIVISION 1 PRODUCTS

15



The Boss  
T4, T4A / IP67



The Monitor C  
T5 / IP67



The Monitor Battery Backup  
T5 / IP67



The Monitor HD/P  
T4 / IP67



The Scout C  
T4A / IP67



The Sentinel  
T4 / IP66



The Pilot  
T4 / IP66



The Foreman  
T3 / IP66



The Brute  
T4 / IP66



The Steward  
T4 / IP66



The Flyer  
T4 / IP66



The Dominator  
T5 / IP66



The Patroller  
T3 / IP66



The Guide  
T4 / IP66

## HAZLOC CLASS II DIVISION 2 PRODUCTS



The Beast  
T5 / IP66



The mini Beast  
T5 / IP66



The Monitor C  
T5 / IP67



The Spotter C  
T5 / IP67



The Sentinel  
T4 / IP66



The Foreman  
T3 / IP66



The Pilot  
T4 / IP66



The Brute  
T4 / IP66



The Keeper One  
T6 / IP67



The Keeper Two  
T4A / IP67



The Curator  
T6 / IP66



The Steward  
T4 / IP66



The Flyer  
T4 / IP66



The Dominator  
T5 / IP66



The Patroller  
T3 / IP66



The Guide  
T4 / IP66



The Pathfinder  
T4 / IP67

Temperature Rating Chart (T-Rating)			
	NEC 505	NEC 505	Maximum Surface Temperature
T1	T1		450°C / 842°F
T2	T2		300°C / 572°F
	T2A		280°C / 536°F
	T2A		260°C / 500°F
	T2A		230°C / 446°F
	T2A		215°C / 419°F
T3	T3		200°C / 392°F
	T2A		180°C / 356°F
	T2A		165°C / 329°F
	T2A		160°C / 320°F
T4	T4		135°C / 275°F
	T4A		120°C / 248°F
T5	T5		100°C / 212°F
T6	T6		85°C / 185°F

Celsius / Fahrenheit Conversions							
(°C)	(°F)	(°C)	(°F)	(°C)	(°F)		
-40°C	-40°F	30°C	86°F	100°C	212°F	170°C	338°F
-35°C	-31°F	35°C	95°F	105°C	221°F	175°C	347°F
-30°C	-22°F	40°C	104°F	110°C	230°F	180°C	356°F
-25°C	-13°F	45°C	113°F	115°C	239°F	185°C	365°F
-20°C	-4°F	50°C	122°F	120°C	248°F	190°C	374°F
-15°C	5°F	55°C	131°F	125°C	257°F	195°C	383°F
-10°C	14°F	60°C	140°F	130°C	266°F	200°C	392°F
-5°C	23°F	65°C	149°F	135°C	275°F	205°C	401°F
-0°C	32°F	70°C	158°F	140°C	284°F	210°C	410°F
5°C	41°F	75°C	167°F	145°C	293°F	215°C	419°F
10°C	50°F	80°C	176°F	150°C	302°F	220°C	428°F
15°C	59°F	85°C	185°F	155°C	311°F	225°C	437°F
20°C	68°F	90°C	194°F	160°C	320°F	230°C	446°F
25°C	77°F	95°C	203°F	165°C	329°F	235°C	455°F



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This decision guide is designed to always get you pointed in the right direction.

- Each product photo has a number bottom right for quick search on our website.
- Each product specific web page will have buttons to download cut sheet and IES folder.
- The cut sheets all have links back to the product web page and IES folder.
- The IES folder is a compressed file that is safe to download and de-compress on your device.
- Each website product photo is available for download at 1000 x 1000 / 72dpi.

For the most complete details, specifications, dimensions, IES files and mounting possibilities please visit [www.SolasRay.com](http://www.SolasRay.com) and you can always call us at 1-800-840-5635.

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