Indoor & outdoor hazardous location LED.

Designed with over
50 years of experience
in hazardous location lighting.

RAB®
LIGHTING
RABWEB.COM • 888 722-1000

HAZLED™

HAZARDOUS LOCATION **LED**

- Available in 26W (replaces 70W MH), 42W (replaces 100W MH) or 80W (replaces 150W MH)
- Class I, Division 2, Groups A, B, C, D
- IP66, UL 1598, UL 8750 and UL 844 ratings
- Resistant to shock and vibration
- Four mounting options: ceiling, pendant, wall or stanchion
- Rugged construction ensures long life and safe operation
- 100,000-Hour LED lifespan
- 5-Year, no-compromise warranty

Hazardous Location Classifications

Class I, Division 2, Groups A, B, C and D

Class I: A hazardous location in which *flammable gases or vapors* may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquified petroleum or natural gas, and spray finishing areas.

Division 2: Abnormal condition, where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions, for example:

- Closed storage drums containing flammable liquids in an inside storage room would not ***normally*** allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, an abnormal condition is created.

Groups A - D: The gases and vapors of Class I locations are broken into four groups by the Code: A, B, C, and D. These materials are grouped according to the ***ignition temperature*** of the substance, its ***explosion pressure***, and other flammable characteristics.

- Group A - The only substance in Group A is acetylene because it is a gas with extremely high explosion pressures.
- Group B - This group includes hydrogen and other materials with similar characteristics.
- Group C & D - The most usual Class I groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group C is ethylene. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane.

UL Listing

Product complies with the following standards:
1. Standard for Luminaires for Use in Hazardous (Classified) Locations, **UL 844**
2. Standard for Luminaires, **UL 1598**
3. Light Emitting Diode (LED) Light Sources for Use in Lighting Products, **UL 8750**

cUL Listing

Product complies with the following standards:
1. **CSA C22.2 No. 137** - Electric Luminaires for Use in Hazardous Locations
2. **CSA C22.2 No. 250.0-08** - CSA Standard for Safety for Luminaires

IP66 Rating

- No ingress of dust; complete protection against contact (dust tight)
- No ingress of water projected in powerful jets from any direction

T Ratings

HAZLED™ 26W model is T3C rated, 42W and 80W models are T2B rated.

Specifications

LEDs: Multi-chip, high-output, long-life LEDs

Drivers
26W - Constant Current, Class 2, 100-277V, 50/60 Hz, 700mA, THD <20%
42W - Constant Current, Class 2, 100-277V, 50/60 Hz, 1050mA, THD <20%
80W - Constant Current, Class 2, 100-277V, 50/60 Hz, 2000mA, THD <20%

Lifespan: 100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

Wattage	26W	42W	80W
Input Watts @ 120V	28.3	42.3	82
Output Lumens*	2878	3810	8837
Lumens Per Watt*	102	90	108
Color Accuracy (CRI)*	70	70	73

Ambient Temperature: Suitable for use in ambient temperatures up to 55°C (131°F)

Thermal Management: Superior heat sinking with Airflow™ fins

Housing: Die-cast aluminum housing, lens frame and mounting arm

Hardware: All external hardware is stainless steel

Reflector: Semi-specular aluminum

Lens/Globes: Clear or frosted flat glass lens; clear, frosted or tinted glass globes

Mounting: Four mounting styles: ceiling mounting with (2) steel lugs; 3/4" NPT threaded pendant; wall mounting with junction box included; stanchion mounting to 1 1/2" stanchion.

Gaskets: Closed cell silicone gasket

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Stability: LED color temperature warrantied not to shift more than 200K in CCT in 5 years

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Green Technology: Mercury and UV free

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

California Title 24: 26 Watt HAZLED complies with 2013 California Title 24 building and electrical codes as a commercial outdoor non-pole-mounted fixture ≤ 30 Watts when used with a remote mounted photosensor control.

**Values shown for 5000K with clear globe only. For other performance, visit rabweb.com.*

Ordering Information

Product Family		Wattage		Lens/Globe		Optional Guards		Driver Options	
HAZXLED	Ceiling Mount	**26**	26W	**CF**	Clear Flat Lens	**G**	Wire Guard	**Blank**	On/Off
HAZPLED	Pendant Mount	**42**	42W	**FF**	Frosted Flat Lens	**DG**	Die-Cast Guard	**/D10**	0-10V Dimming
HAZBLED	Wall Mount	**80**	80W	**C**	Clear Globe			**/480**	480V On/Off
HAZSLED	Stanchion Mount			**F**	Frosted Globe				
				FR	Frosted Red Globe				
				FG	Frosted Green Globe				
				FB	Frosted Blue Globe				
				FA	Frosted Amber Globe				

HAZBAYLED™

HAZARDOUS LOCATION **LED** HIGHBAY

- Available in 78W (replaces 250W MH) or 104W (replaces 320W MH)
- Class I, Division 2, Groups A, B, C, D
- UL 1598, UL 8750 and UL 844 ratings
- Resistant to shock and vibration
- Rugged construction ensures long life and safe operation
- Pendant mount (pendant by others)
- Bi-level and dimming available
- Aisle-lighter optics available
- 100,000-Hour LED lifespan
- 5-Year, no-compromise warranty

Hazardous Location Classifications

Class I, Division 2, Groups A, B, C and D

Class I: A hazardous location in which *flammable gases or vapors* may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquified petroleum or natural gas, and spray finishing areas.

Division 2: Abnormal condition, where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions, for example:

- Closed storage drums containing flammable liquids in an inside storage room would not ***normally*** allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, an abnormal condition is created.

Groups A - D: The gases and vapors of Class I locations are broken into four groups by the Code: A, B, C, and D. These materials are grouped according to the ***ignition temperature*** of the substance, its ***explosion pressure***, and other flammable characteristics.

- Group A - The only substance in Group A is acetylene because it is a gas with extremely high explosion pressures.
- Group B - This group includes hydrogen and other materials with similar characteristics.
- Group C & D - The most usual Class I groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group C is ethylene. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane.

UL Listing

Product complies with the following standards:
1. Standard for Luminaires for Use in Hazardous (Classified) Locations, **UL 844**
2. Standard for Luminaires, **UL 1598**
3. Light Emitting Diode (LED) Light Sources for Use in Lighting Products, **UL 8750**

cUL Listing

Product complies with the following standards:
1. **CSA C22.2 No. 137** - Electric Luminaires for Use in Hazardous Locations
2. **CSA C22.2 No. 250.0-08** - CSA Standard for Safety for Luminaires

T Ratings

All models are T3A

Specifications

LEDs: Multi-chip, high-output, long-life LEDs

Lifespan: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver: Constant Current, Class 2, 100 - 277VAC, 50/60 Hz, 720mA, with 6 kV surge protection

Bi-level Operation *(optional)*: 78W: Allows 33% (or 66%) and 100% output modes. **104W:** Allows 50% and 100% output modes.

Dimming *(optional)*: 0-10V dimming available for 104W models

HAZBAYLED 78W

Correlated Color Temp. (CCT)	**5200K**	**4000K**	**3000K**
Input Watts @ 120V	89	89	88
Output Lumens	7,463	7,704	7,230
Lumens per Watt	84	87	82
Color Accuracy (CRI)	82	82	81

HAZBAYLED 104W

Correlated Color Temp. (CCT)	**5100K**	**4000K**	**3000K**
Input Watts @ 120V	123	124	121
Output Lumens	10,375	10,374	9,498
Lumens per Watt	84	84	78
Color Accuracy (CRI)	82	81	81

Ambient Temperature: Suitable for use in 40°C (104°F)

Thermal Management: Superior heat sinking with Airflow™ fins

Housing: Precision die-cast aluminum housing and door frame with four 3/4" conduit openings with plugs

Mounting: 3/4" NPS pendant mount *(pendant by others)*

Lens: Tempered glass

Reflector: Specular vacuum metallized polycarbonate

Gaskets: High-temperature silicone

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Stability: LED color temperature warrantied not to shift more than 200K in CCT in 5 years

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C788.377-2015.

Green Technology: Mercury and UV free

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Ordering Information

78W Models

Product Family	Wattage	Color Temperature	Finish	Options
	78			
HAZBAYLED Highbay **HAZBAYAISLED** Aisle Lighter	**78** 78W	**Blank** 5000K **N** 4000K **Y** 3000K	**Blank** Gray **W** White	**/BL** Bi-level **/D10** 0-10V Dimming

104W Models

Product Family	Wattage	Color Temperature	Finish	Options
HAZBAYLED	104			
HAZBAYLED Highbay	**104** 104W	**Blank** 5000K **N** 4000K **Y** 3000K	**Blank** Gray **W** White	**/BL** Bi-level **/D10** 0-10V Dimming

HAZFFLED™

HAZARDOUS LOCATION **LED** FLOODLIGHT

- Available in 26W (replaces 100W MH), 39W (replaces 150W MH), or 52W (replaces 175W MH)
- Class I, Division 2, Groups A, B, C, D
- UL 1598, UL 8750 and UL 844 ratings
- Resistant to shock and vibration
- Rugged construction ensures long life and safe operation
- NEMA Type 7x6 (4x4 or 5x5 distributions also available)
- Swivel arm and trunnion mounting options
- 100,000-Hour LED lifespan
- 5-Year, no-compromise warranty

Hazardous Location Classifications

Class I, Division 2, Groups A, B, C and D

Class I: A hazardous location in which *flammable gases or vapors* may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquified petroleum or natural gas, and spray finishing areas.

Division 2: Abnormal condition, where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions, for example:

- Closed storage drums containing flammable liquids in an inside storage room would not ***normally*** allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, an abnormal condition is created.

Groups A - D: The gases and vapors of Class I locations are broken into four groups by the Code: A, B, C, and D. These materials are grouped according to the ***ignition temperature*** of the substance, its ***explosion pressure***, and other flammable characteristics.

- Group A - The only substance in Group A is acetylene because it is a gas with extremely high explosion pressures.
- Group B - This group includes hydrogen and other materials with similar characteristics.
- Group C & D - The most usual Class I groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group C is ethylene. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane.

UL Listing

Product complies with the following standards:
1. Standard for Luminaires for Use in Hazardous (Classified) Locations, **UL 844**
2. Standard for Luminaires, **UL 1598**
3. Light Emitting Diode (LED) Light Sources for Use in Lighting Products, **UL 8750**

cUL Listing

Product complies with the following standards:
1. **CSA C22.2 No. 137** - Electric Luminaires for Use in Hazardous Locations
2. **CSA C22.2 No. 250.0-08** - CSA Standard for Safety for Luminaires

T Ratings

HAZFFLED 26W models have a T4A rating; 39W and 52W models have a T4 rating.

Specifications

UL Listing: Suitable for wet locations. Suitable for ground mounting.

LED: Multi-chip, high-output, long-life LEDs

Lifespan: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver: Constant Current, Class 2, 100-277V, 50/60 Hz, 4 kV surge protection

Wattage	**26W**	**39W**	**52W**
Input Watts @ 120V	29	42	55
Output Lumens*	4131	5666	6935
Lumens Per Watt*	142	136	125
Color Accuracy (CRI)*	71	70	71

Cold Weather Starting: The minimum starting temperature is -40°C.

Thermal Management: Superior heat sinking with external Air-Flow fins

Housing: Die-cast aluminum housing, lens frame and mounting arm

Reflector: Specular polycarbonate

NEMA Type: Standard 7H x 6V. 5H x 5V and 4H x 4V also available.

Mounting: Heavy-duty mounting arm with "O" ring seal & stainless steel screws. Trunnion mount also available.

Gaskets: High-temperature silicone gaskets

Finish: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Stability: LED color temperature warrantied not to shift more than 200K in CCT in 5 years

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

Green Technology: Mercury and UV free

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

** Values shown for 5000K, 7H x 6V NEMA Type only. Visit rabweb.com for other color temperatures and 5H x 5V and 4H x 4V performance.*

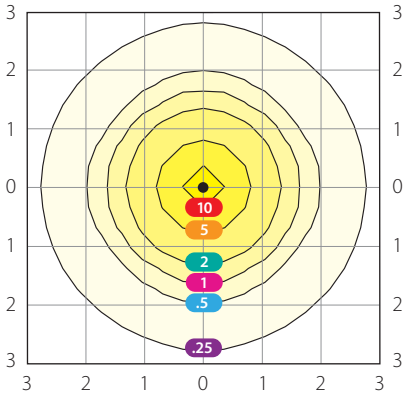
Ordering Information

Product Family	Wattage	Mounting	Color Temp	NEMA Type	Driver Options
HAZFFLED					
	26 26W	**Blank** Swivel arm	**Blank** 5000K	**Blank** 7H x 6V	**/480** 480V
	39 39W	**T** Trunnion		**B55** 5H x 5V	
	52 52W			**B44** 4H x 4V	

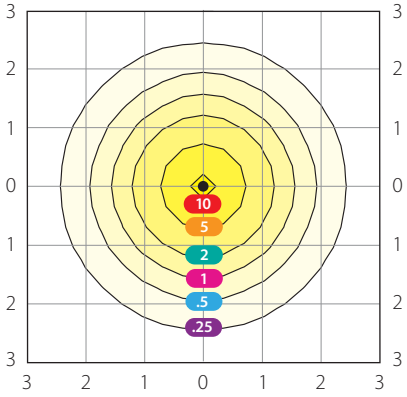
Photometrics

HAZLED

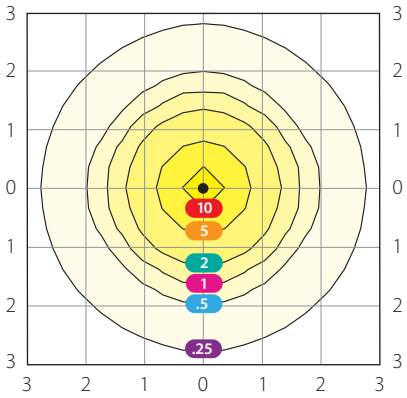
HAZXLED80C - Mounted at 10 ft.
Photometric Report #ITL79200



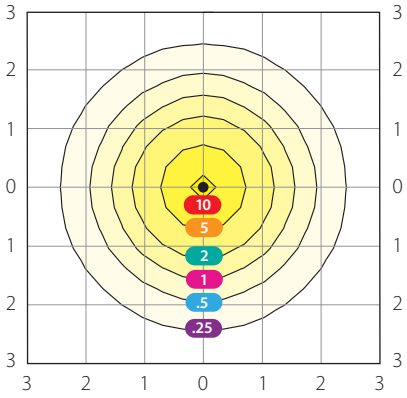
HAZXLED80F - Mounted at 10 ft.
Photometric Report #ITL79204



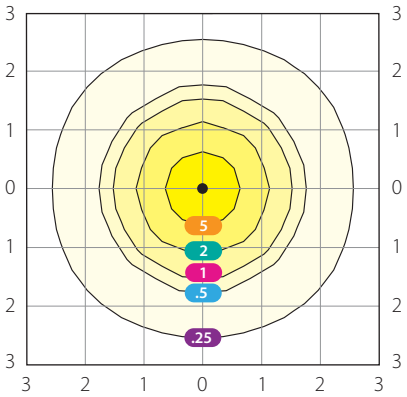
HAZXLED42C - Mounted at 10 ft.
Photometric Report #ITL79200



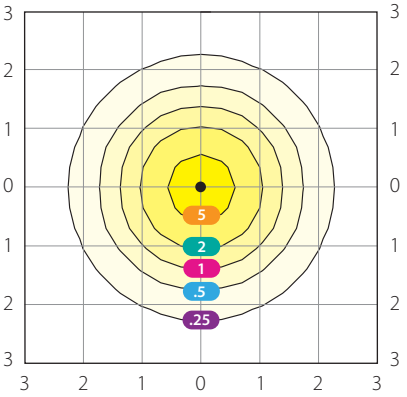
HAZXLED42F - Mounted at 10 ft.
Photometric Report #ITL79204



HAZXLED26C - Mounted at 10 ft.
Photometric Report #ITL79182

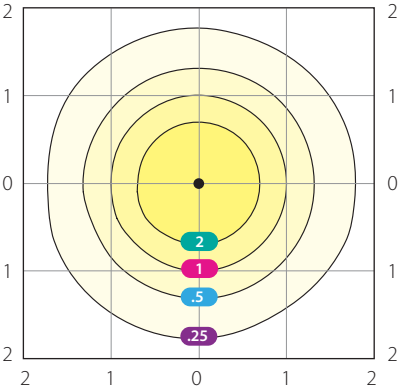


HAZXLED26F - Mounted at 10 ft.
Photometric Report #ITL79186

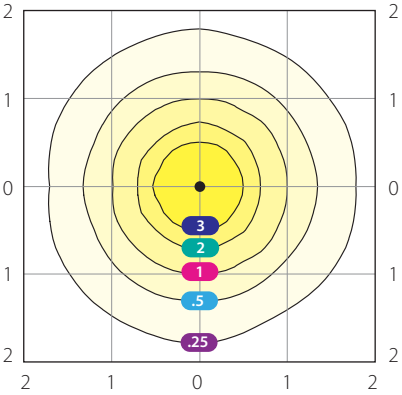


HAZBAYLED

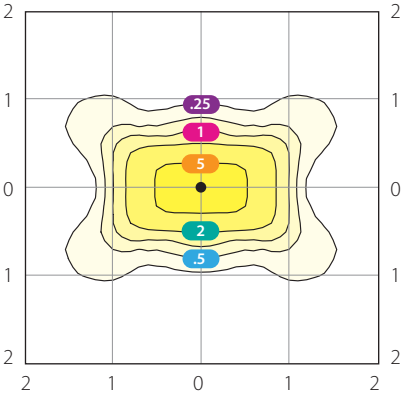
HAZBAYLED 104W - 30' Mounting Height
Photometric Report #ITL82098



HAZBAYLED 78W - 25' Mounting Height
Photometric Report #ITL79694



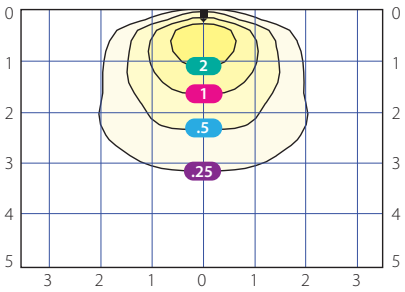
HAZAISLED 78W - 25' Mounting Height
Photometric Report #ITL80274



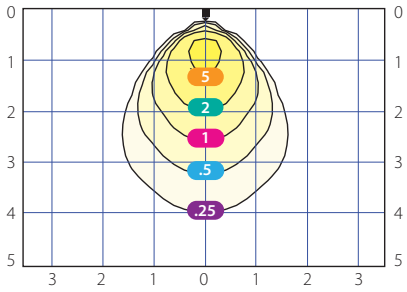
Grid scale: multiples of mounting height
Values shown in footcandles

HAZFFLED

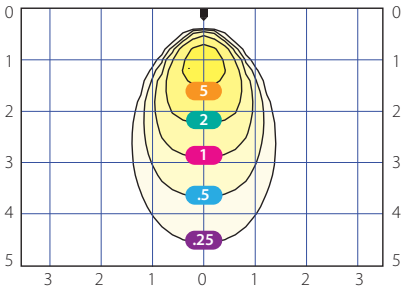
HAZFFLED 26W - 7H x 6V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB01974



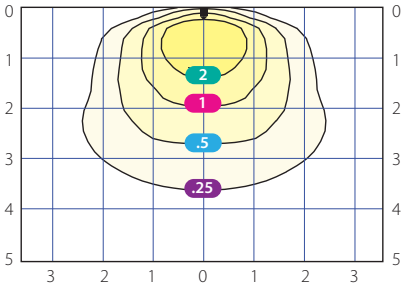
HAZFFLED 26W - 5H x 5V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB02004MOD50



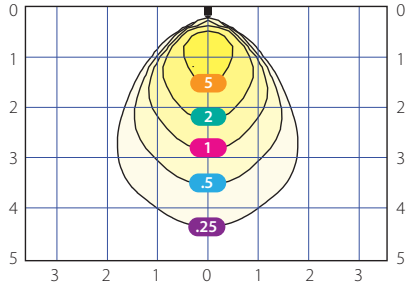
HAZFFLED 26W - 4H x 4V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report # RAB02002MOD50



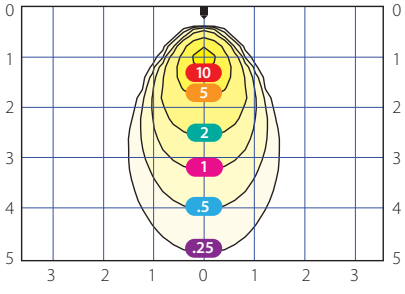
HAZFFLED 39W - 7H x 6V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB02008MOD50



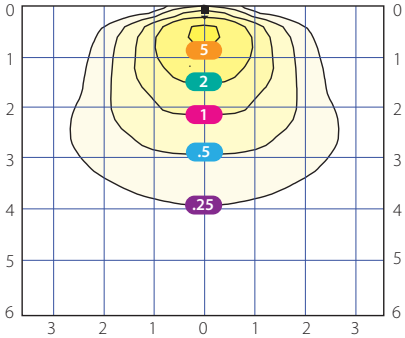
HAZFFLED 39W - 5H x 5V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB02012MOD50



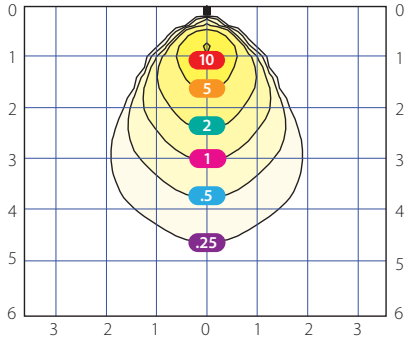
HAZFFLED 39W - 4H x 4V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB02010MOD50



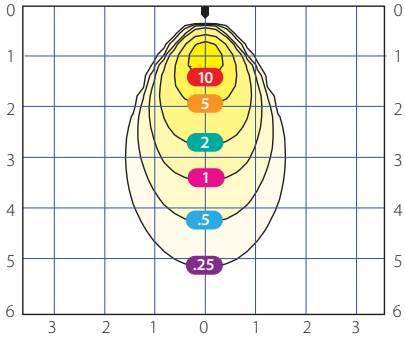
HAZFFLED 52W - 7H x 6V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB01963



HAZFFLED 52W - 5H x 5V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB01969MOD50



HAZFFLED 52W - 4H x 4V
15' Mounting Height,
Aimed 30° Below Horizon
Photometric Report #RAB01971MOD50

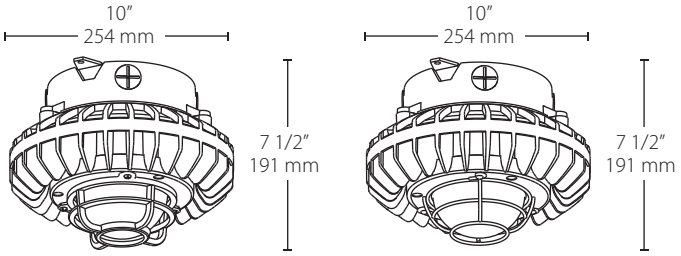


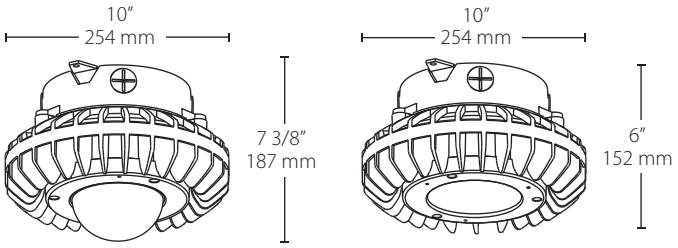
Grid scale: multiples of mounting height
Values shown in footcandles

HAZLED

CEILING MOUNT

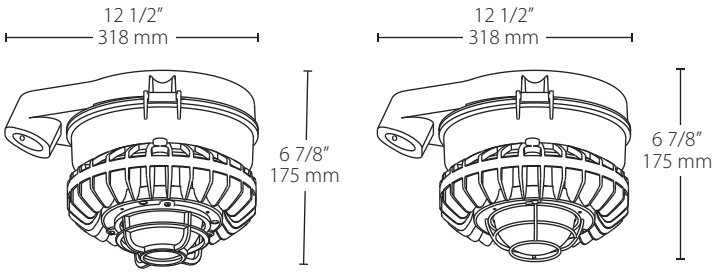
Max. Weight: 10.5 lbs. / 4.8 kg. (with globe and die-cast guard)

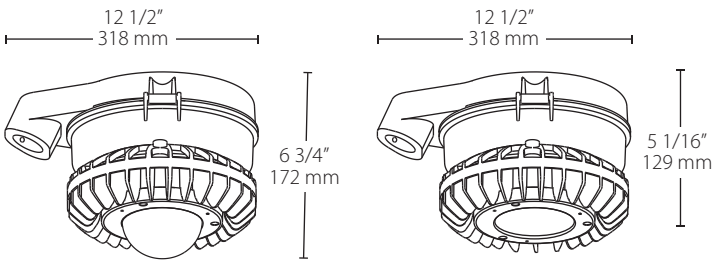




STANCHION MOUNT 26W & 42W

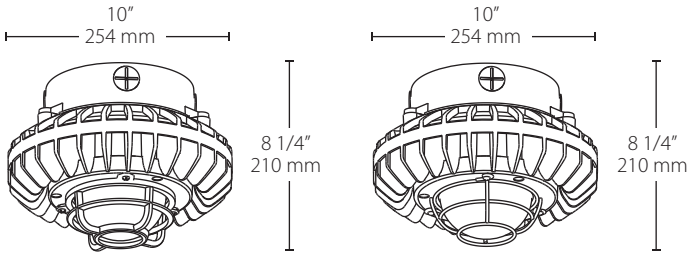
Max. Weight: 11 lbs. / 5 kg. (with globe and die-cast guard)

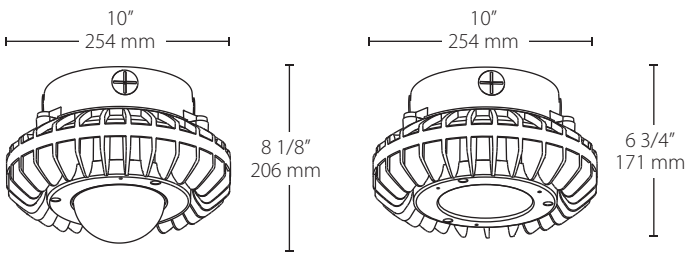




PENDANT MOUNT

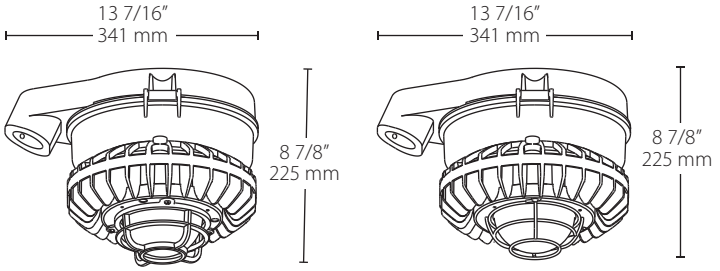
Max. Weight: 10.5 lbs. / 4.8 kg. (with globe and die-cast guard)

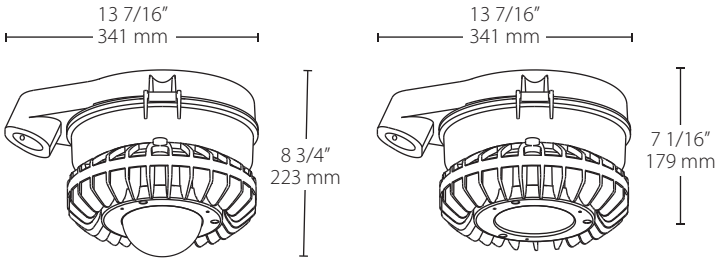




STANCHION MOUNT 80W

Max. Weight: 17.3 lbs. / 7.8 kg. (with globe and die-cast guard)



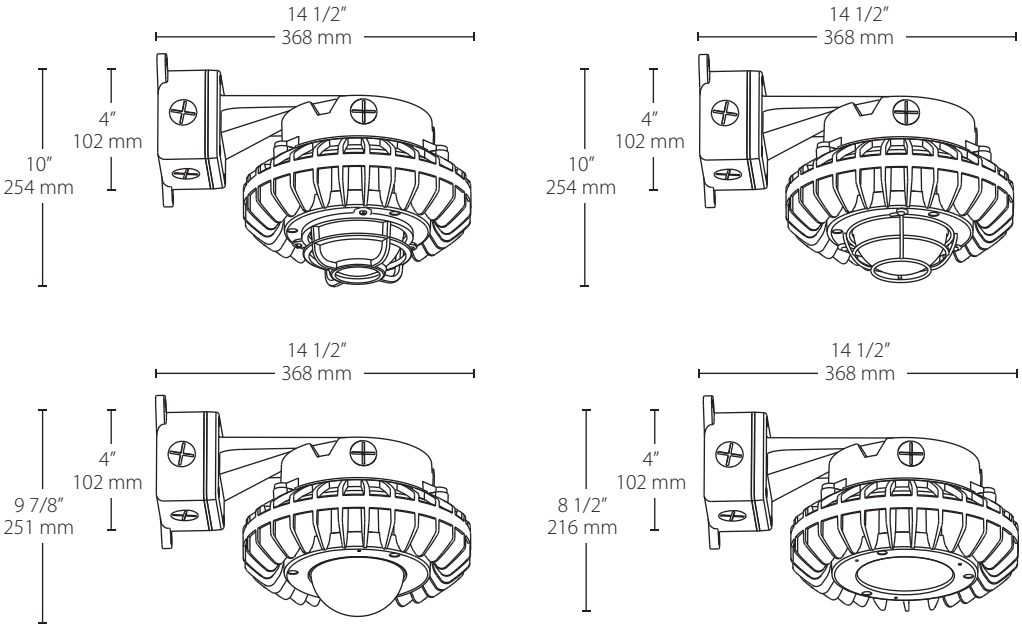


Dimensions & Weights

HAZLED

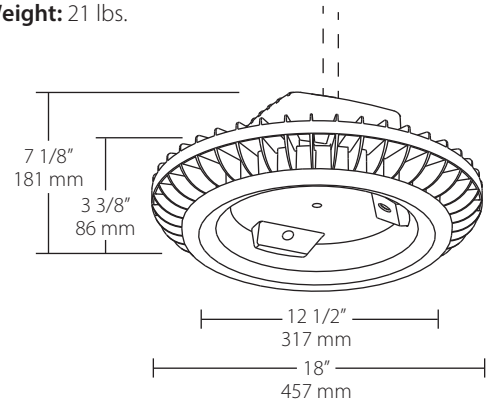
WALL MOUNT

Max. Weight: 13.3 lbs. / 6 kg. (with globe and die-cast guard)



HAZBAYLED

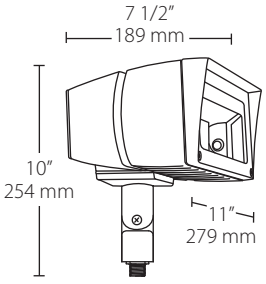
Weight: 21 lbs.



HAZFFLED

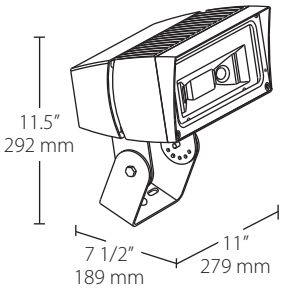
SWIVEL ARM

Weight: 12.5 lbs.



TRUNNION MOUNT

Weight: 14.2 lbs.



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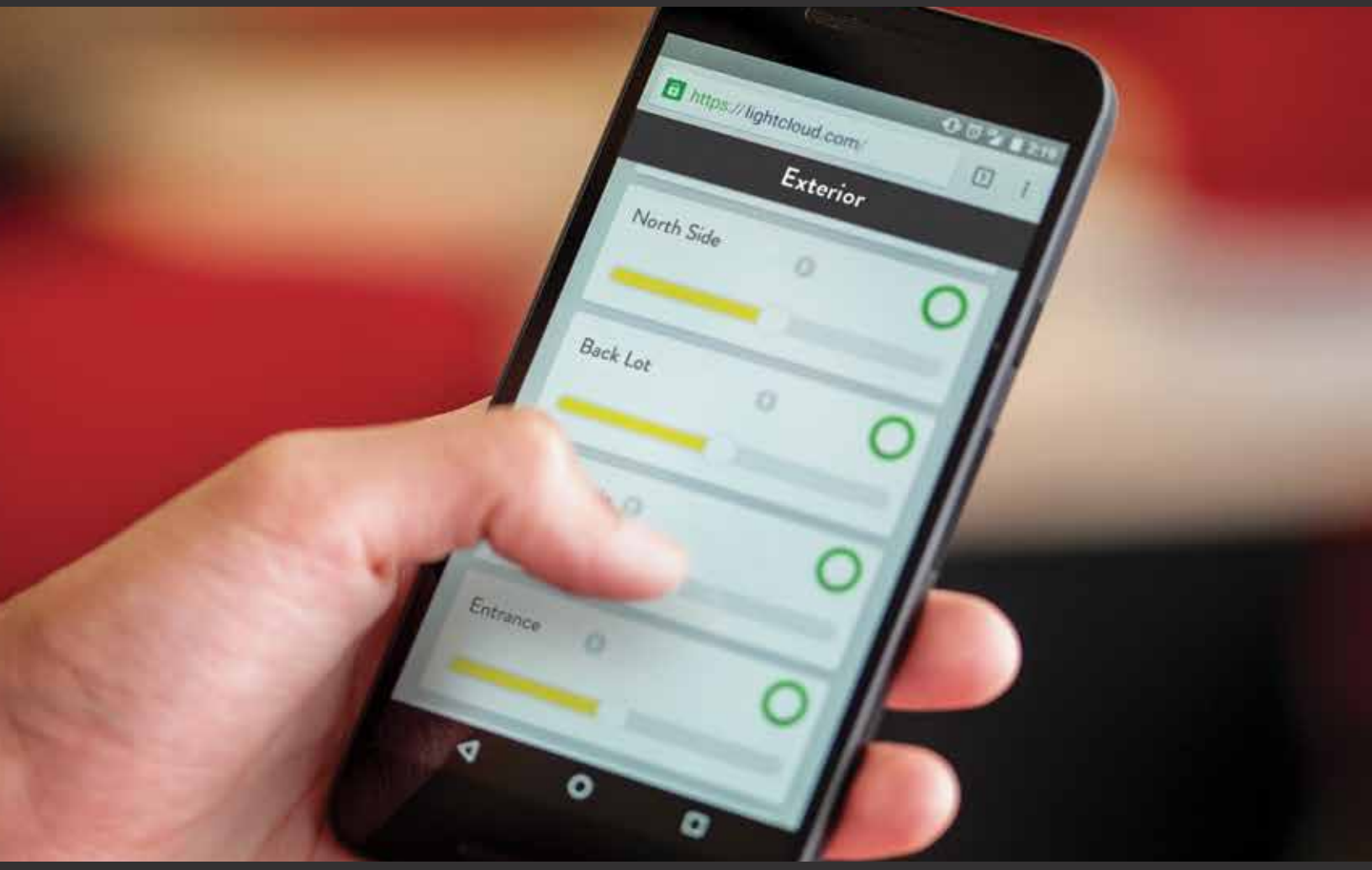
Lightcloud™ is a commercial wireless lighting control system and service, fully developed and supported by RAB.

- Save up to 68% on energy costs from lighting
- Use your mobile device, tablet or computer for switching and dimming of individual fixtures or entire areas
- Programmable schedules let you illuminate a zone only when needed, automatically adjusting for sunrise and sunset times
- Complimentary rebate assistance and lighting design services



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