HAZFX Hazardous Location Floodlights

RAB®

HAZFX 30-60W

Slipfitter Mount   Yoke Mount

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

HAZFX 100-200W

Slipfitter Mount   Yoke Mount

KEY FEATURES

- Floodlights for hazardous location, available in two sizes and five wattages: Small: **30W**, **60W**   Large: **100W**, **150W,** and **200W**
- **5000K** CCT
- Certified for **Class 1, Div 1, Groups C, D** and **Class 1, Div 2, Groups A, B, C, D** with temperature rating of **T4-T6** (check the model)
- **120-277V**. **480V** available on 100W, 150W, and 200W models
- Available accessories: **Wire guards** and **hoods**. **Yoke** mount standard, **slipfitter** option available. Adjustable arm available for both sizes.
- **IP66** Rated
- 5-year, no-compromise warranty

HAZFX - Class 1, Div 1 Floodlights

0-10V   **100,000 HOURS**   **WET RATED**   **IP RATING**

PERFORMANCE

MODEL#	HAZFX30	HAZFX60	HAZFX100	HAZFX150	HAZFX200
	5000K	5000K	5000K	5000K	5000K
Wattage	30W	60W	100W	150W	200W
Input Watts	30.7W	61.5W	103.0W	156.6W	202.2W
Lumens	4,768	9,219	16,056	24,560	30,794
Efficacy	155.3	149.9	155.9	156.8	152.3
CRI	71	71	71	71	71
Voltage Ratings	120-277V				

MODEL#	HAZFX100	HAZFX150	HAZFX200
	5000K	5000K	5000K
Wattage	100W	150W	200W
Input Watts	101.6W	150.2W	194.4W
Lumens	16,091	24,526	30,458
Efficacy	158.4	163.3	156.7
CRI	71	71	71
Voltage Ratings	480V		

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TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements

MODEL#	VOLTAGE	DLC ID
HAZFX30	120-277V	S-6Z1GR1
HAZFX60	120-277V	S-WHGLKZ
HAZFX100	120-277V	S-QWJH66
HAZFX100/480	480V	S-WYJYLG
HAZFX150	120-277V	S-86GDPQ
HAZFX150/480	480V	S-D4B0WF
HAZFX200	120-277V	S-04BXB9
HAZFX200/480	480V	S-38YPQ0

Hazardous Location Classifications

Class 1, Division 1 (Groups C, D) & Class 1, Division 2 (Groups A, B, C, D)

Class 1 (Hazardous Material in Surrounding Atmosphere):Flammable vapors or gases may be present

Division 1 (Presence of Hazardous Materials):
Ignitable concentrations of hazards exist only under normal operating conditions

Division 2 (Presence of Hazardous Materials):
Ignitable concentrations of hazards exist only under accidental system breakdowns or abnormal operating conditions

Groups A, B, C, D (Hazardous Material in Surrounding Atmosphere):
A = Acetylene
B = Hydrogen, butadiene, ethylene oxide, propylene oxide and acrolein
C = Ethylene, cyclopropane and ethyl ether
D = Acetone, ammonia, benzene, butane, ethanol, gasoline, hexane, methane, methanol, naphta, natural gas, propane & toluene

NEC/CE T-CODE

MODEL#	Class1, Div 1, Group C,D	Class1, Div 2, Group A,B,C,D
HAZFX30	T6	T5
HAZFX60	T6	T4
HAZFX100	T6	T4A
HAZFX100/480	T6	T4A
HAZFX150	T6	T4A
HAZFX150/480	T6	T4A
HAZFX200	T5	T4
HAZFX200/480	T5	T4

IP Rating
Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

CONSTRUCTION

Cold Weather Starting
Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature
30W & 60W model: Suitable for use in up to 60°C (140°F)
150W, 200W Models: Suitable for use in up to 55°C (131°F)
100W with 480V Models: Suitable for use in up to 60°C (140°F)

Housing
Die-cast aluminum

Mounting
Yoke and slipfitter

Tilt increment
Slipfitter: 6°

Lens
Clear glass + 7H6V Polycarbonate Lens

Reflector
Polycarbonate

Gaskets
High-temperature silicone

Green Technology
Mercury and UV free. RoHs-compliant components.

Finish
Formulated for high durability and long lasting color

OPTICAL

NEMA Type:
NEMA Beam Spread of 7H x 6V

LED CHARACTERISTICS

LEDs
Long-life, high-efficacy, surface-mount LEDs

Color Uniformity
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

Color Consistency
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL

Drivers:
Constant Current, Class 2, 120-277V, 50/60 Hz
30W: 0.25A @120V, 0.15A @208V, 0.13A @ 240V, 0.11A @ 277V

Constant Current, Class 1, 120-277V, 50/60 Hz
60W: 0.52A @120V, 0.30A @208V, 0.26A @ 240V, 0.23A @ 277V
100W: 0.87A @120V, 0.50A @208V, 0.44A @ 240V, 0.38A @ 277V
150W: 1.27A @120V, 0.73A @208V, 0.64A @ 240V, 0.55A @ 277V
200W: 1.70A @120V, 0.99A @208V, 0.85A @ 240V, 0.74A @ 277V

Constant Current, Class 1, 480V, 50/60 Hz
100W: 0.22A at 480V
150W: 0.32A at 480V
200W: 0.42A at 480V

Surge Protection:
L/N-G 10KV, L-N 6KV

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
30W: 4.07% at 120V, 14.0% at 277V
60W: 2.5% at 120V, 6.8% at 277V
100W: 1.4% at 120V, 6.3% at 277V
100W: 4.6% at 480V
150W: 2.6% at 120V, 5.2% at 277V
150W: 1.8% at 480V
200W: 5.4% at 120V, 4.3% at 277V
200W: 6.5% at 480V

ELECTRICAL

Power Factor:
30W: 99.5% at 120V, 92.3% at 277V
60W: 99.7% at 120V, 91.4% at 277V
100W: 99.9% at 120V, 96.6% at 277V
100W: 95.0% at 480V
150W: 99.9% at 120V, 95.0% at 277V
150W: 96.9% at 480V
200W: 99.5% at 120V, 95.5% at 277V
200W: 93.0% at 480V

Note: All values are typical (tolerance +/- 10%)

OTHER

Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint Þnish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty

Lifespan
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations
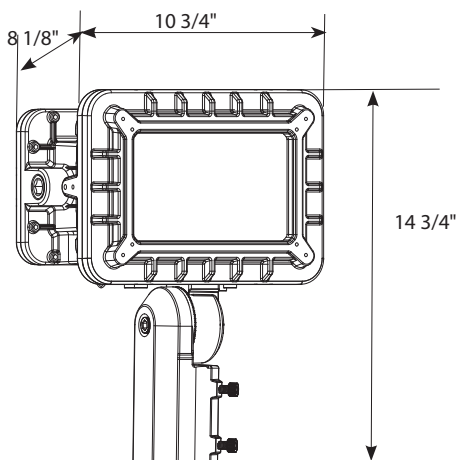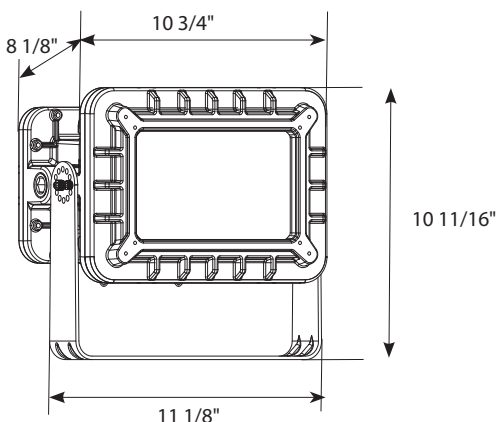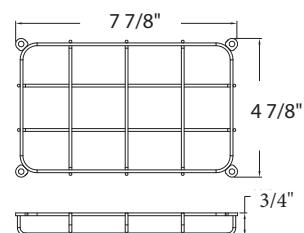
DIMENSIONS (CONTINUED)

HAZFX30-60W

Weight:
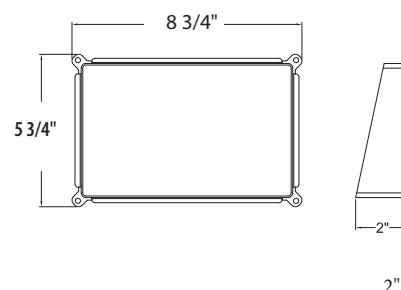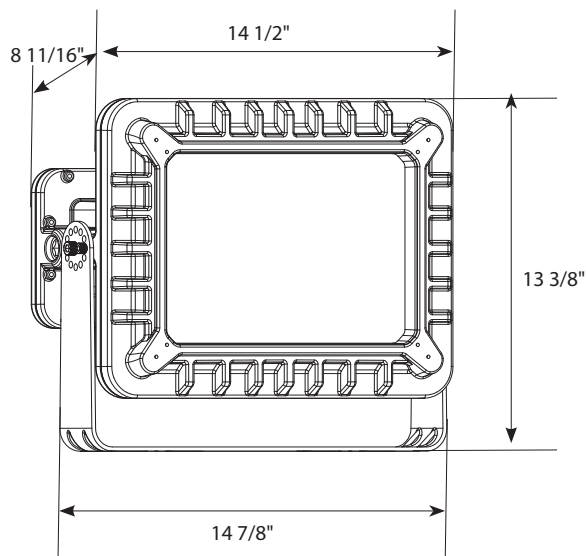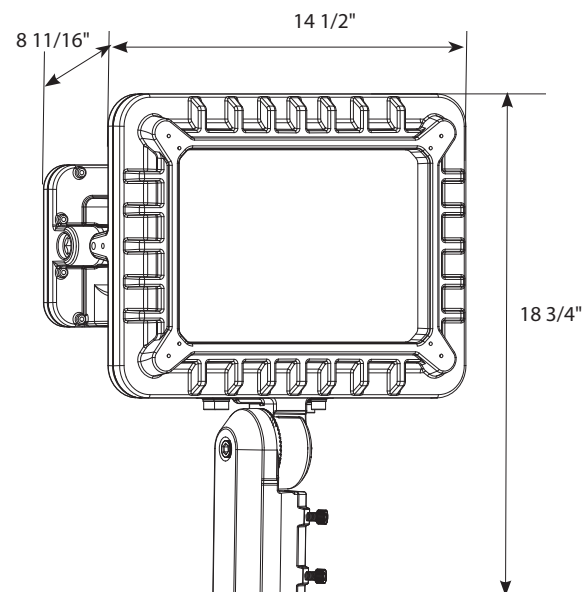Models with yoke mount: 20.5 lbs
Models with slipfitter mount: 22.6 lbs
Models with Adjustable Arm: 23.7 lbs

GDHAZFXS

7 7/8"
4 7/8"
3/4"

8 1/8"
10 3/4"
10 11/16"
11 1/8"

8 1/8"
10 3/4"
14 3/4"

HHAZFXS

8 3/4"
5 3/4"
2"
2"

HAZFX Hazardous Location Floodlights

DIMENSIONS (CONTINUED)

HAZFX100-200W

Weight:
Models with yoke mount: 20.5 lbs
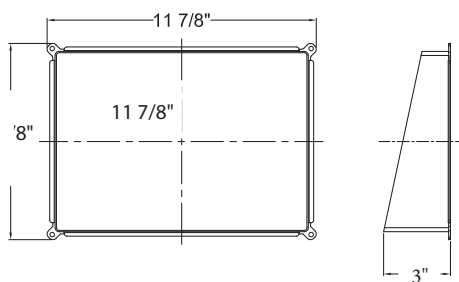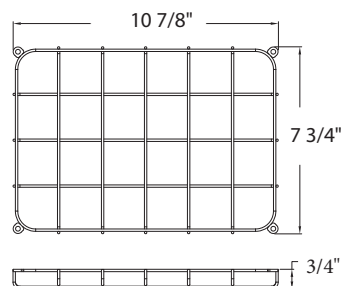Models with slipfitter mount: 22.6 lbs
Models with Adjustable Arm: 23.7 lbs

8 11/16"
14 1/2"
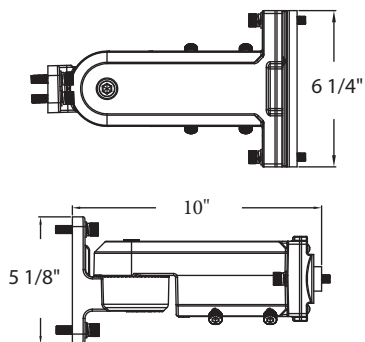13 3/8"
14 7/8"

8 11/16"
14 1/2"
18 3/4"

GDHAZFXL

10 7/8"
7 3/4"
3/4"

HHAZFXL

11 7/8"
11 7/8"
'8"
3"

HAZFF-ADJ-ARM (30W-200W)

Weight: 3.6 lbs

6 1/4"
10"
5 1/8"

HAZFX Hazardous Location Floodlights

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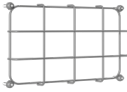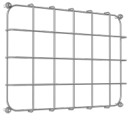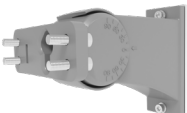
ACCESSORIES

IMAGE	SKU#	UPC	DESCRIPTION
	GDHAZFXS	192552017039	HAZFX WIRED GUARD SMALL FOR 30W 60W
	GDHAZFXL	192552017046	HAZFX WIRED GUARD LARGE FOR 100W 150W 200W
	HHAZFXS	192552017053	HAZFX HOOK SMALL FOR 30W 60W
	HHAZFXL	192552017060	HAZFX HOOK LARGE FOR 100W 150W 200W
	HAZFF-ADJ-ARM	192552032476	HAZ FLOOD ADJUSTABLE ARM FOR HAZFX FIXTURES

ORDERING MATRIX

HAZFX

Family	Wattage		Mounting		Color Temp		NEMA Type		Finish		Driver	
HAZFX												
	30	30W	**BLANK**	Yoke	**BLANK**	5000K	**BLANK**	7H X 6V	**BLANK**	Gray	**BLANK**	120-277V, 0-10V dimming
	60	60W	**SF**	Slipfitter							**/480** *	480V, 0-10V dimming
	100	100W										
	150	150W										
	200	200W										

* 480V option only available on 100W, 150W, and 200W model