

HAZXL34 Linear High Bay, Hazardous Locations



HAZXL34-40



HAZXL34-80 / HAZXL34-120



HAZXL34 Linear High Bay, C1D1 Hazardous Locations



DIM TO
OFF

100,000
HOURS



IP
RATED



WET
RATED



IK09
RATED

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Available in 2 ft and 4 ft models:
2 ft: 40W
4 ft: 80W & 120W
- CCT: 5000K
- Voltage rating 120-277V. 480V also offered in 4ft models.
- Surface mount and chain mount standard. Ceiling mount kits sold separately
- Designed to perform in areas with hazardous vapor and gases
- Wire guards available for both sizes
- IP66 rated
- UL Listed for wet locations
- Certified for use in Class I, Division 1, Groups C, D
- 5-Year, no-compromise warranty

PERFORMANCE

HAZXL34 (W/WIRE GUARD)	5000K	5000K	5000K	5000K	5000K
WATTAGE	120W	80W	40W	120W	80W
INPUT WATTS	120.2W	79.8W	40.4W	121.3W	78.1W
LUMENS	16,198	10,911	5,404	16,793	10,937
EFFICACY	134.8	136.7	133.8	138.4	140
CRI	82	82	82	82	82
VOLTAGE RATINGS	120-277V		480V		

HAZXL34	5000K	5000K	5000K	5000K	5000K
WATTAGE	120W	80W	40W	120W	80W
INPUT WATTS	120.2W	79.8W	40.4W	121.3W	78.1W
LUMENS	17,031	11,466	5,670	17,618	11,534
EFFICACY	141.7	143.7	140.3	145.3	147.7
CRI	82	82	82	82	82
VOLTAGE RATINGS	120-277V			480V	

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations. Certified to UL standard 1598 and 844.

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.

CATALOG#	DLC ID	CATALOG#	DLC ID
HAZXL34-40	S-CH0XNF		
HAZXL34-80	S-HS398T	HAZXL34-80/480	S-01BF5M
HAZXL34-120	S-MZ549V	HAZXL34-120/480	S-P93GDT

LED CHARACTERISTICS

LEDs

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

Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Uniformity

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

TECHNICAL SPECIFICATIONS

HAZARDOUS LOCATION CLASSIFICATIONS

UL 844

Electric lighting fixtures for use in hazardous (classified) locations

Class 1, Division 1 (Groups 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

Groups C, D (Hazardous Material in Surrounding Atmosphere):

C = Ethylene, cyclopropane and ethyl ether

D = Acetone, ammonia, benzene, butane, ethanol, gasoline, hexane, methane, methanol, naphta, natural gas, propane & toluene

CONSTRUCTION

Cold Weather Starting

The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature

Suitable for use in up to 60°C (140°F)

Mounting

All models come standard with surface mount plus two hanging chains
Ceiling mount kit sold separately.

Housing

Die-cast aluminum

Lens

Tempered glass

Reflector

White polycarbonate

Gasket

Silicone

IK Listing

IK09 rated for protection against impact

IP Listing

Ingress protection rating of IP66 for dust and water

Tilt Increment

Yoke mount: 25.7°

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color

EFFECTIVE PROJECTED AREA (EPA)

EPA:

40W: 1.95 ft²

80W, 120W: 3.02 ft²

ELECTRICAL

Drivers:

Constant Current, Class 2, 120-277V, 50/60 Hz

40W: 120V: 0.45A, 208V: 0.26A, 240V: 0.23A, 277V: 0.19A

Constant Current, Class 1, Class P, 120-277V, 50/60 Hz

80W: 120V: 0.80A, 208V: 0.46A, 240V: 0.40A, 277V: 0.35A

120W: 120V: 1.20A, 208V: 0.69A, 240V: 0.60A, 277V: 0.52A

Constant Current, Class 1, Class P, 480V, 50/60 Hz

80W: 480V: 0.20A

120W: 480V: 0.29A

ELECTRICAL

Dimming Driver:

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

THD:

40W: 3.02% at 120V, 13.11% at 277V
80W: 4.78% at 120V, 7.29% at 277V
80W: 6.87% at 480V
120W: 3.05% at 120V, 6.44% at 277V
120W: 3.06% @480V

THD (W/ Wire Guard):

40W: 2.99% at 120V, 13.05% at 277V
80W: 4.7% at 120V, 7.25% at 277V
80W: 6.9% at 480V
120W: 3.01% at 120V, 6.41% at 277V
120W: 3.14% @480V

Power Factor:

40W: 99.3% at 120V, 90.0% at 277V
80W: 99.8% at 120V, 93.5% at 277V
80W: 91.4% at 480V
120W: 99.8% at 120V, 91.3% at 277V
120W: 94.6% @480V

Power Factor (W/ Wire Guard):

40W: 99.3% at 120V, 90.0% at 277V
80W: 99.8% at 120V, 93.5% at 277V
80W: 91.4% at 480V
120W: 99.8% at 120V, 91.3% at 277V
120W: 94.6% @480V

Surge Protection

L/N: 6kV, L-N: 10kV

Temperature Ratings:

MODEL	SCOPE	AMBIENT TEMPERATURE RANGE	T-CODE
HAZXL34-40			T6
HAZXL34-80			T6
HAZXL34-80/480	Class I, Division 1, Group C,D	-40°C to 60°C	T6
HAZXL34-120			T6
HAZXL34-120/480			T6

OTHER

Warranty

The RAB 5-year, no-compromise warranty covers light output, color stability, driver performance, paint finish and labor. 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

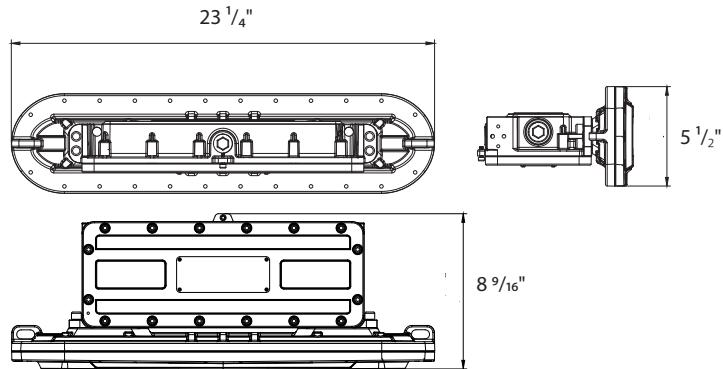
HAZXL34 Linear High Bay, Hazardous Locations



DIMENSIONS

HAZXL34-40W

Weight: 28.7 lbs

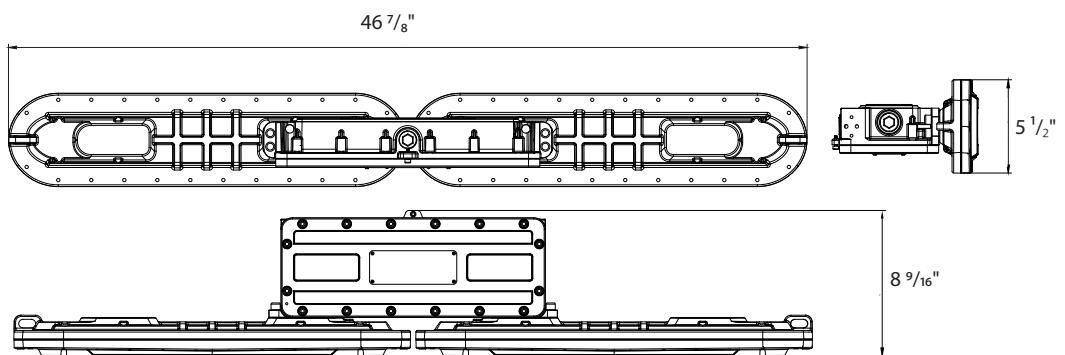


HAZXL34-80W & 120W

Weight: 80W : 45.0 lbs (120-277V)

80W : 45.6 lbs (480V)

120W : 45.6 lbs



ORDERING MATRIX

HAZXL34

Family	Size / Wattage	Mounting	Color Temp	Finish	Driver
HAZXL34	-				
	40	2 feet, 40W	BLANK	BLANK	120-277V, 0-10V Dimming
	80	4 feet, 80W			480V,* 0-10V Dimming
	120	4 feet, 120W			

* 480V available for 4ft models only