CONTRACTOR LIGHTING & SUPPLY
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PROJECT
TYPE
CATALOG #

20-HBL HAZ LOC

LINEAR HIGH BAY HAZARDOUS LOCATION

HOUSING
- Gray powder-coated die-cast aluminum housing.

ELECTRICAL
- 120-277V AC (50-60Hz).
- 0-10VDC dimming driver.
- Watertight, compression-type electrical connectors.
- Input transient surge protection: 6kV.
- Power factor > 0.90.
- Total harmonic distortion (THD) < 20%.

OPTICAL SYSTEM
- Efficacy up to 148 lumens per watt.
- 5000K color temperature.
- 20-EX-100WAD50D120A2 delivers 14,891 nominal lumens.
- 20-EX-150WA3D50D120A2 delivers 22,170 nominal lumens.
- 20-EX-200WA3D50D120A2 delivers 28,617 nominal lumens.
- Long-life LEDs provide 173,000 hours of operation with at least 70% of initial lumen output (L70), and 52,000 hours with at least 90% of initial lumen output (L90).*
- LED color maintenance < 0.0009 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.
- Clear flat glass lens.
- Color Rendering Index (CRI) > 80.

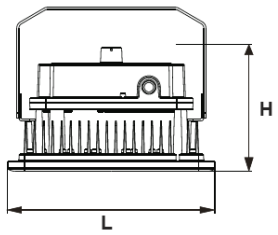
MOUNTING
- Ceiling-mounted installation using the included yoke mounting bracket provides up to 180° of adjustability.

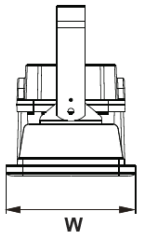
CODE COMPLIANCE
- UL 844 Hazardous Locations:
  Class I, Division 2, Groups A, B, C, D.
  *See T-Code table on page 3.
- UL 1598 Wet Locations.
- UL 1598A Marine Outside Type.
- Complies with FCC Part 15, Class A.
- IP66 rated for ingress protection.
- IK08 rated for impact protection.

WARRANTY
- 5-year warranty on all electronics and housing.

*L70 & L90 hours are IES TM-21-11 calculated hours.







Model	Size (inches) & Weight (lbs)			
	L (in)	W (in)	H (in)	Weight
20-EX-100WAD50D120A2	12.6	9.45	7.25	15.36
20-EX-150WA3D50D120A2	14.96	9.06	8.94	18.34
20-EX-200WA3D50D120A2				

PRODUCT PARAMETERS

MODEL	NOMINAL LUMEN OUTPUT	KELVIN
20-EX-100WAD50D120A2	15,000 lm	5000K
20-EX-150WA3D50D120A2	22,000 lm	
20-EX-200WA3D50D120A2	29,000 lm	

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COMPATIBLE DIMMERS & CONTROLS

Manufacturer	Model Number	Style	Dimmer Range	Load Switching Capacity
Best Lighting	DWS-010V-T	Toggle	10%-100%	600W
Best Lighting	DWS-010V-D	Decora	10%-100%	600W
Best Lighting	GPDMLV-02-3	Toggle	10%-100%	600W
Best Lighting	GPDMLV-12-3	Decora	10%-100%	600W
Leviton	IP710-LFZ	Toggle	10%-100%	1200W
Lutron	DVSTV	Decora	10%-100%	450W

LUMEN TABLES & ELECTRICAL DATA

Series	Measurements		15L
			5000K
20-EX-100WAD50D120A2	Lumens		14,891
	Watts		100.9
	Efficacy		148
	Input Current (A)	120V	0.84
		240V	0.42
		277V	0.36

Series	Measurements		22L
			5000K
20-EX-150WA3D50D120A2	Lumens		22,170
	Watts		153.0
	Efficacy		145
	Input Current (A)	120V	1.27
		240V	0.64
		277V	0.55

Series	Measurements		29L
			5000K
20-EX-200WA3D50D120A2	Lumens		28,617
	Watts		202.8
	Efficacy		141
	Input Current (A)	120V	1.69
		240V	0.85
		277V	0.73

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T-CODES

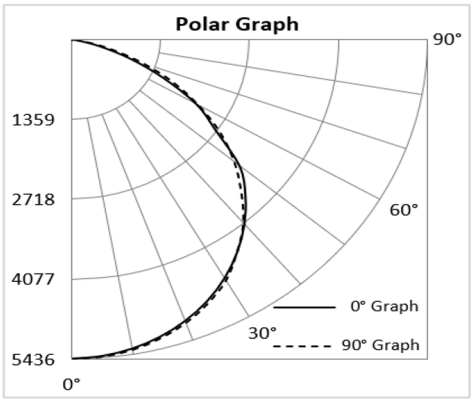
Model Number	T-Code/Ambient Temp
20-EX-100WAD50D120A2	T6: -40°C to +45°C T5: -40°C to +60°C T4A: -40°C to +65°C
20-EX-150WA3D50D120A2	T4: -40°C to +55°C T4A: -40°C to +50°C
20-EX-200WA3D50D120A2	T5: -40°C to +40°C T4A: -40°C to +50°C

PHOTOMETRIC DATA

20-EX-100WAD50D120A2

Luminaire Data	
Description	Linear High Bay 15,000 Lumens, 5K
Total Lumens	14,891
Input Wattage	101
Efficacy (lm/W)	148
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.3

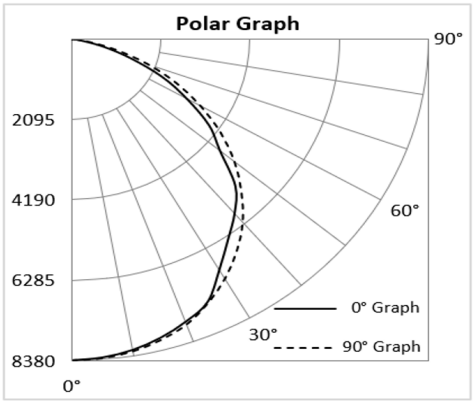
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	2,000	13.4%
0-30°	4,279	28.7%
0-40°	7,062	47.4%
20-50°	7,962	53.5%
40-70°	7,139	47.9%
0-60°	12,506	84.0%
0-80°	14,826	99.6%
0-90°	14,876	99.9%
90-180°	15	0.1%
0-180°	14,891	100.0%



20-EX-150WA3D50D120A2

Luminaire Data	
Description	Linear High Bay 22,000 Lumens, 5K
Total Lumens	22,170
Input Wattage	153
Efficacy (lm/W)	145
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.28

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	3,083	13.9%
0-30°	6,580	29.7%
0-40°	10,754	48.5%
20-50°	11,921	53.8%
40-70°	10,340	46.6%
0-60°	18,648	84.1%
0-80°	22,055	99.5%
0-90°	22,147	99.9%
90-180°	23	0.1%
0-180°	22,170	100.0%



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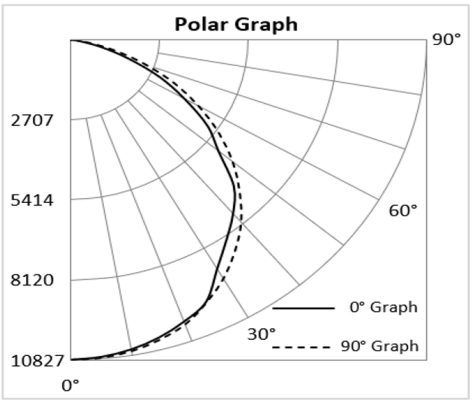
20-EX-200WA3D50D120A2

Luminaire Data

Description	Linear High Bay 29,000 Lumens, 5K
Total Lumens	28,617
Input Wattage	203
Efficacy (lm/W)	141
Spacing Criterion (0-180°)	1.22
Spacing Criterion (90-270°)	1.28

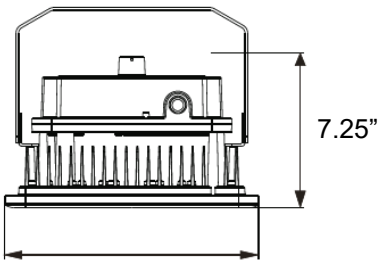
Zonal Lumen Summary

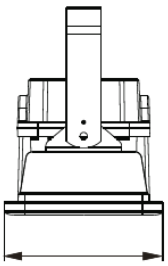
Zone	Lumens	%Fixt
0-20°	3,983	13.9%
0-30°	8,501	29.7%
0-40°	13,897	48.6%
20-50°	15,404	53.8%
40-70°	13,340	46.6%
0-60°	24,092	84.2%
0-80°	28,469	99.5%
0-90°	28,587	99.9%
90-180°	30	0.1%
0-180°	28,617	100.0%



DIMENSIONAL DRAWINGS

20-EX-100WAD50D120A2





20-EX-150WA3D50D120A2
20-EX-200WA3D50D120A2

