Job Name/Title:_____ Catalog Number_____

Contractor:_____ Notes:_____

LED High Bay Luminaire

LINEAR

A Superior High Bay Solution

Topaz's LED High Bay Linear Luminaires are a sturdy solution for high bay applications in commercial, industrial, warehouse and manufacturing settings. The high efficiency lens offers wide uniform beam distribution. Easily installed with V-hook, chain or pendant, these fixtures have a functional life of 54,000 hours, and are an energy and cost saving alternative to fluorescent or HID high bay luminaires.

FEATURES

- Strong and sturdy steel body construction with frosted acrylic lens
- High efficiency lens with wide uniform beam distribution to optimize lumen output
- Superior luminaire efficacy up to 143 LPW
- Long functional life (L70) of 54,000 hours
- Fixture includes 39″ chain and V-hook mounting hardware
- Optional pendant mount kit sold separately

APPLICATIONS

- Replacement for multi-lamp fluorescent or HID high bay luminaires
- High ceiling applications for commercial, industrial, big box retail, warehouse and manufacturing facilities

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TOPAZ
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GENERAL SPECIFICATIONS

Input Voltage, Frequency: 120-277V, 50/60Hz
Power Factor, THD %: >0.9, <20%
Dimmable: Dimming range 100% to 10% with 0-10V dimmer[1]
Surge Protection Rating 90W-220W: L/N-PE:4KV; LN:4KV
Surge Protection Rating 300W: L/N-PE:10KV; LN:6KV
Emergency Backup Compatible: Yes, 20W 90 min
Efficacy: Up to 143 LPW
Minimum CRI: >80
Functional Life (L70): 54,000 hours
Location Rating: Damp
IP Rating: IP40
Ambient Operating Temperature: -40°F to 122°F
Mounting Options: 39" chain and hook included, pendant mount sold separately

ITEM SPECIFICATIONS / ORDER INFO

Catalog Number	Order Code	UPC	Lumens	Wattage	Input Current @ 120V/277V	CCT	Beam Angle	DLC ID✦
F-LHB90W/40K/F-96	70563	751338035799	13,170	90W	1/0.38A	4000K	100°	PLEDUPMXHKZB
F-LHB110W/40K/F-96	70564	751338035805	15,050	110W	1.2/0.42A	4000K	100°	PLNMP73N4MRV
F-LHB165W/40K/F-96	70565	751338035812	22,060	165W	1.7/0.60A	4000K	100°	PL7AEMTCLNID
F-LHB220W/40K/F-96	70566	751338035836	29,860	220W	2.2/0.80A	4000K	100°	PL4EYUEP42HN
F-LHB300W/40K/F-96	70567	751338035843	41,700	300W	3/1.16A	4000K	100°	PLMRLK7WX7YS
F-LHB90W/50K/F-96	70558	751338035553	13,310	90W	1/0.38A	5000K	100°	PLMB8JFABMWI
F-LHB110W/50K/F-96	70559	751338035577	15,220	110W	1.2/0.42A	5000K	100°	PLK1IG0F6PYE
F-LHB165W/50K/F-96	70560	751338035591	22,330	165W	1.7/0.60A	5000K	100°	PLMW57GD09KL
F-LHB220W/50K/F-96	70561	751338035607	30,190	220W	2.2/0.80A	5000K	100°	PLEKVHAINVCO
F-LHB300W/50K/F-96	70562	751338035775	42,320	300W	3/1.16A	5000K	100°	PLRQY5N5AXTX

NOMENCLATURE

Example: F-LHB90W/40K/F-96
F-LHB = Fixture Linear High Bay **90W** = 90 Watts / **40K** = 4000K / **F** = Frosted Acrylic
110W = 110 Watts / **50K** = 5000K
165W = 165 Watts
220W = 220 Watts
300W = 300 Watts

ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Order Code	UPC	Description
F-LHB90-165/GUARD-96	70568	751338035621	Wire Safety Guard for 90W, 110W and 165W
F-LHB220W/GUARD-96	70569	751338035638	Wire Safety Guard for 220W
F-LHB300W/GUARD-96	70592	751338035959	Wire Safety Guard for 300W
F-LHB/PNDNTMNT-96	70581	751338035652	Pendant Mounting Kit for 90W, 110W, 165W and 220W
F-LHB/300PNDNTMNT-96	70582	751338035980	Pendant Mounting Kit for 300W
F-LHB/20W/EM-96	70570	751338035645	Emergency Back Up Driver, 20W MAX Output Power
WD-OS[2]	72700	751338004931	Occupancy Sensor (120-277V)
WD-SP	79200	751338000308	Surge Protector (120-277V)

NOTES:
✦DLC Primary Use Designation: High-Bay Luminaires for Commercial and Industrial Buildings
[1] Dimming with standard 0-10V control system or wall dimmers. Dimming complies with IEC60929 Annex E. Fixture may not be compatible with all dimmers. Visit www.topaz-usa.com/led-dimmer-compatibility for up-to-date dimmer compatibility information.

[2] The product cannot be connected to a dimming device when installed with motion sensor.

Specifications subject to change without prior notice. Replacement wattage shown depends on application and fixture.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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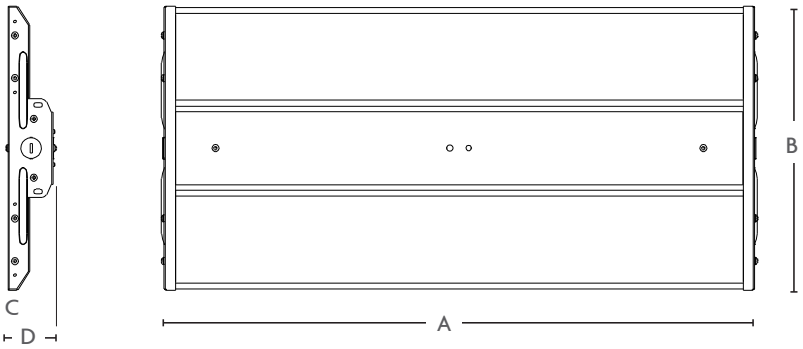
ENERGY SAVINGS

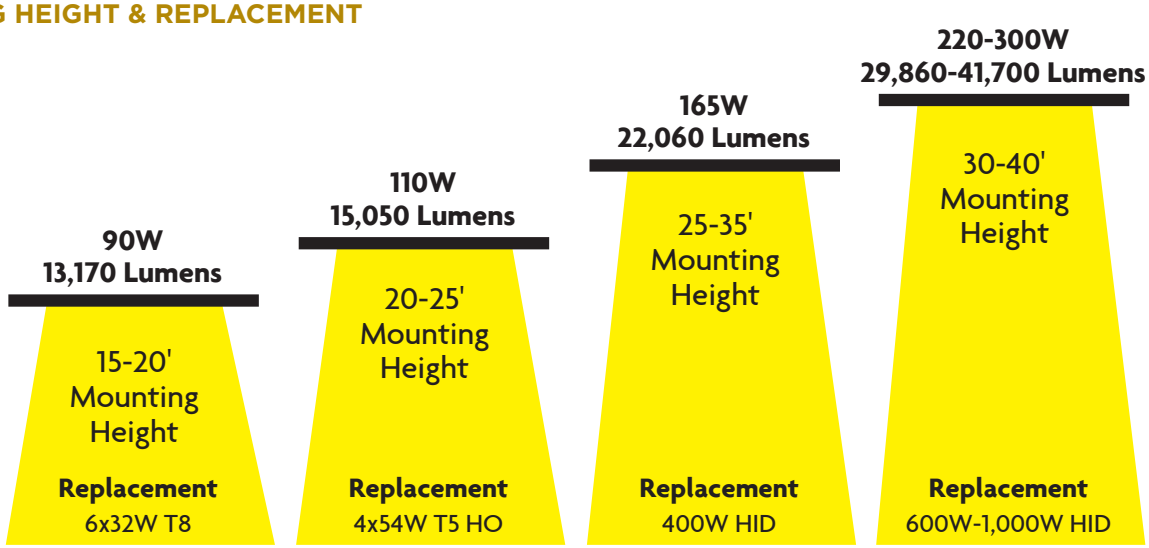
Catalog Number	LED Wattage	Suggested Replacement	Equivalent Replacement Wattage	Watts Saved	Yearly Saving, $	5 Year Savings, $
Based on 12 hours/day and $0.11/kWh						
F-LHB90W/xxK/F-96	90W	6x32W T8	192W	102W	$49	$246
F-LHB110W/xxK/F-96	110W	4x54W T5 HO	216W	106W	$51	$255
F-LHB165W/xxK/F-96	165W	400W HID	400W	235W	$113	$566
F-LHB220W/xxK/F-96	220W	600W HID	600W	380W	$183	$915
F-LHB300W/xxK/F-96	300W	1,000W HID	1,000W	700W	$337	$1,686

DIMENSIONS / WEIGHTS

Catalog Number	(A)	(B)	(C)	(D)	Weight
F-LHB90W/xxK/F-96	24.8"	11.8"	1.9"	4.3"	6.8 Lbs.
F-LHB110W/xxK/F-96	24.8"	11.8"	1.9"	4.3"	6.8 Lbs.
F-LHB165W/xxK/F-96	24.8"	11.8"	1.9"	4.3"	7.9 Lbs.
F-LHB220W/xxK/F-96	24.8"	14.2"	1.9"	4.3"	8.8 Lbs.
F-LHB300W/xxK/F-96	35.4"	15.2"	2.1"	4.4"	14.3 Lbs.



MOUNTING HEIGHT & REPLACEMENT



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