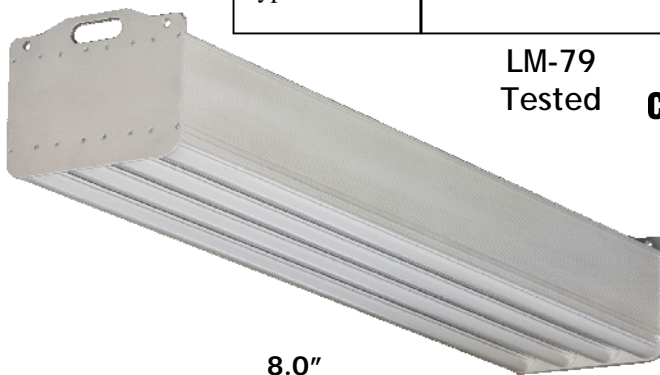


LED High Bay

Ideal for commercial or industrial applications, Albeo's LED High Bay luminaire provides an energy efficient, no maintenance alternative to traditional light fixtures. Replaces 400W metal halide or up to eight T8 lamps. Achieve 3 to 5 times longer life with Albeo's patent-pending TEMPR™ Technology. Heavy duty, instant start time, and no hazardous materials.

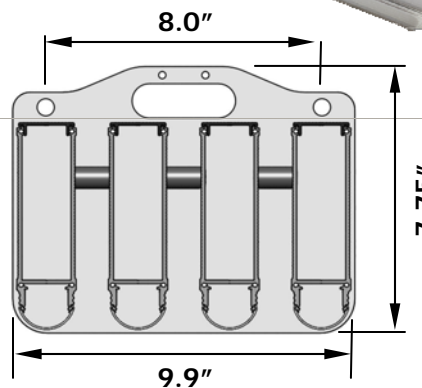


Part Number	
Type	Comment

LM-79
Tested



Patents
Pending



Robust and Innovative Construction

Albeo's TEMPR™ thermal management technology transfers heat from the LED into the rugged aluminum housing, reducing junction temperature for more light and longer life.

Optical Advantage

High performance LEDs offer superior efficacy and visual acuity with broad spectrum, quality colors for almost any application. Directional LEDs put more light where it's needed, without reflectors, greatly increasing efficiency.

Superior Performance

Instant start time. No flicker or buzzing. -10 to +110F operating temperature.

Electrical System

110 or 277 VAC input. Robust magnetic transformer included. Dimming capabilities.

Options

Optimize energy savings and light distribution with occupancy sensing and lens options.

Easy Mounting

Standard chain, cable, or rod suspended.

Warranty

The LED High Bay is guaranteed for five years, subject to Albeo's standard terms and conditions.

Ordering Information

Not all combinations available.

Product Platform	Model	# of LED bars	Length	LED CCT	LED Pitch	Input Voltage	Optics	Mounting	Options	Revision
HB	B	4	4	4	0	1	N	C	0	Rx
HB LED High Bay Light Fixture	V High Value B High Brightness	4 4 bars	4 4 ft	4 5000°K 5 4200°K	0 1 inch (bright) 1 1.5 inch (value)	1 120 V 2 277 V	0 Lens 1 No Lens N Narrow	C Chain R Rod	0 None M Motion Sensor V 0-10V Dimming	Used to further define product configuration

For more options or custom configurations, please contact sales.

rev. 7.21.09



LED High Bay

Optical and Electrical Specifications

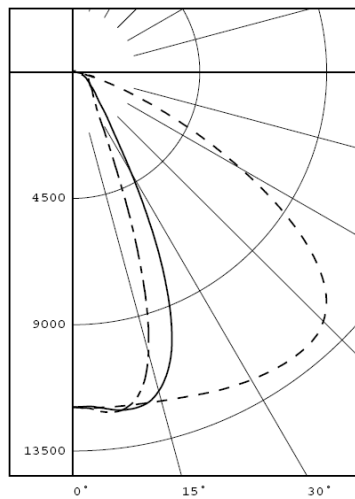
Part Number	Length	Color	Temp	# of LEDs	Lumens	Watts	Lumens/W
HB-V444-1x0xx-R1	4 ft	Bright	5000 K	120	9,450	144	66
HB-V445-1x0xx-R1	4 ft	Cool	4200 K	120	8,450	144	59
HB-B444-0x0xx-R2	4 ft	Bright	5000 K	180	12,150	175	69
HB-B445-0x0xx-R2	4 ft	Cool	4200 K	180	10,900	175	62
HB-B444-0x0xx-R1	4 ft	Bright	5000 K	180	14,150	216	66
HB-B445-0x0xx-R1	4 ft	Cool	4200 K	180	12,700	216	59

Efficacy comparison of common lamp types vs Albeo LED High Bay					
	Albeo LED	400W HID	8 lamp T12	8 lamp T8	4 lamp T5HO
Initial Power (W)	175	465	320	256	216
Initial Output (lumens)	12150	29000	22680	22800	19000
Initial Efficacy (lm/W)	69.4	62.4	70.9	89.1	88.0
Luminaire Efficiency	100%	80%	70%	80%	90%
Lamp Lumen Depreciation	90%	62%	80%	90%	90%
Dirt Depreciation	95%	85%	80%	85%	90%
Lamp Burn Out Factor	100%	80%	80%	85%	90%
Scotopic / Spectral Factor	100%	85%	85%	90%	90%
Total Light Loss Factor	86%	29%	30%	47%	59%
Mean Lumen Output	10388	8314	6909	10675	11219
Maintained Lumens/Watt	59.4	17.9	21.6	41.7	51.9
LED Comparison Factor	1.00	0.30	0.36	0.70	0.88

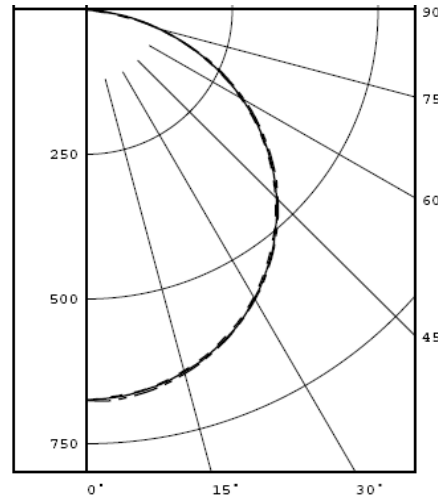
Photometry

Tested to LM-79 standards. IES files available.

Narrow Distribution



Standard Distribution



The Albeo LED High Bay fixture must be installed by a qualified electrician. It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the fixture in such a manner as to comply with all state and local laws, ordinances, regulations, and the American National Standards Institute Safety Code.

US Patents Pending

Specification subject to change without notice. See website for latest version.



LED High Bay

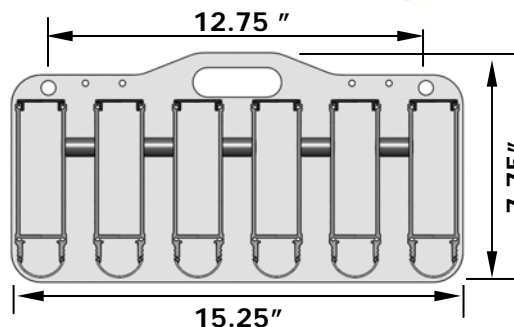
Ideal for commercial or industrial applications, Albeo's LED High Bay luminaire provides an energy efficient, no maintenance alternative to traditional metal halide or high pressure sodium light fixtures. Achieve 3 to 5 times longer life with Albeo's patent-pending TEMPR™ Technology. Heavy duty, instant start time, and no hazardous materials.

Robust and Innovative Construction
Albeo's TEMPR™ thermal management technology transfers heat from the LED into the rugged aluminum housing, reducing junction temperature for more light and longer life.

Optical Advantage
Brightest and highest efficacy LEDs come in a wide range of colors for almost any application. Directional LEDs put more light where it's needed, without reflectors, greatly increasing efficiency.

Superior Performance
Instant start time. No flicker or buzzing. -10 to +110F operating temperature.

Electrical System
110 or 277 VAC input. Robust magnetic transformer included. Dimming capabilities.



LM-79
Tested



Patents
Pending

Part Number	
Type	Comment

Options
Optimize energy savings and light distribution with occupancy sensing and lens options.

Easy Mounting
Standard chain, cable, or rod suspended.

Warranty
The LED High Bay is guaranteed for five years, subject to Albeo's standard terms and conditions.

Ordering Information

Not all combinations available.

Product Platform	Model	# of LED bars	Length	LED CCT	LED Pitch	Input Voltage	Optics	Mounting	Options	Revision
HB	B	6	4	4	0	1	N	C	0	Rx
HB LED High Bay Light Fixture	V High Value B High Brightness	6 6 bars	4 4 ft	4 5000°K 5 4200°K	0 1 inch (bright) 1 1.5 inch (value)	1 120 V 2 277 V	0 Lens 1 No Lens N Narrow	C Chain R Rod	0 None M Motion Sensor V 0-10V Dimming	Used to further define product configuration

For more options or custom configurations, please contact sales.

rev. 7.21.09



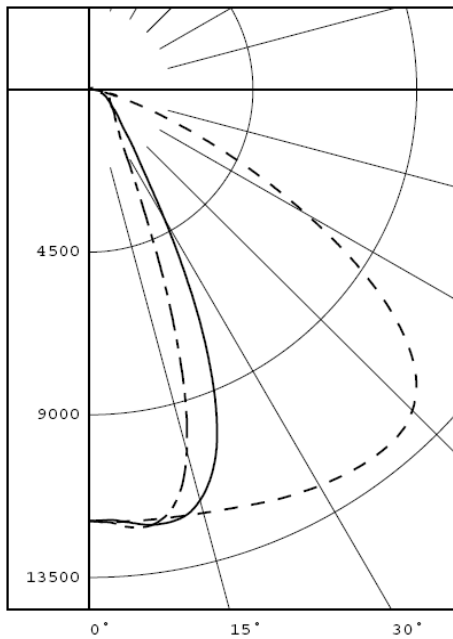
Optical and Electrical Specifications

All options not listed. Please contact sales for technical specs of other part numbers.

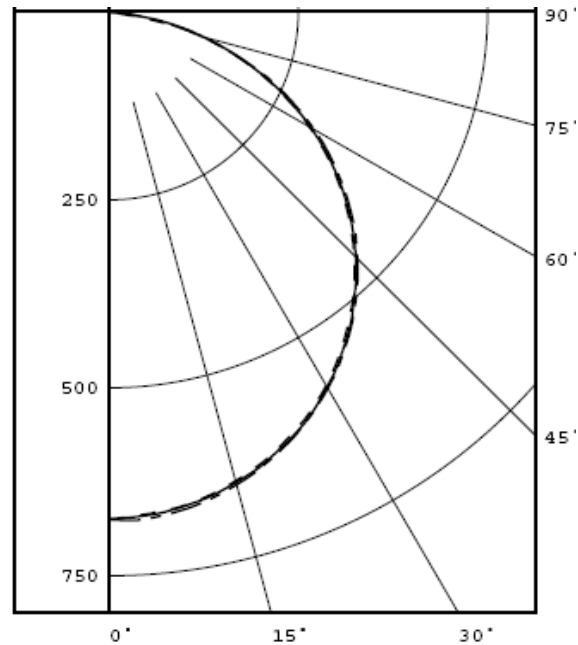
Type	Part Number	Color	Temp	# of LEDs	Lumens	Watts	Lumens/W
Value	HB-V644-1x0xx-R2	Bright	5000 K	180	16,300	259	63
	HB-V645-1x0xx-R2	Cool	4200 K	180	14,600	259	56
Bright	HB-B644-0x0xx-R5	Bright	5000 K	270	21,250	324	66
	HB-B645-0x0xx-R5	Cool	4200 K	270	19,000	324	59

Photometry

Tested to LM-79 standards. IES files available.



Narrow Distribution



Standard Distribution

The Albeo LED High Bay fixture must be installed by a qualified electrician. It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the fixture in such a manner as to comply with all state and local laws, ordinances, regulations, and the American National Standards Institute Safety Code.

US Patents Pending

Specification subject to change without notice. See website for latest version.

