



HBB-12A

Architectural High Bay,
Acrylic Refractor

4,000 to 16,000 Lumens

Small form High Bay style luminaire with sophisticated color control to deliver an optional user experience in industrial-styled architecture.

MECHANICAL

- 12.4" wide, 15.4" high
- Hook, 6" stem, pendant and cable mounting options
- Integrated ballast, driver

OPTICAL

- Acrylic or Translucent White Open or Enclosed Refractor
- Multiple distribution options, including narrow and medium.

ELECTRICAL

- Standard with 0-10V dimming to 10%
- 120/277 voltage
- Power supply is overload and short circuit protected

PERFORMANCE

- 4,000 to 16,000 delivered lumens for variety of applications
- CCT: 3000K, 3500K, 4000K at 80+ CRI (90 CRI option)
- LED COB module L70 rated lifetimes of at least 50,000 hours

LISTINGS

- ETL Listed

Consult factory for alternative materials, colors and refractor options.
5 year limited warranty.

Dimension and specifications in literature subject to change.



Type	Job Ref.
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HBB-12A – Architectural High Bay, Acrylic Refractor

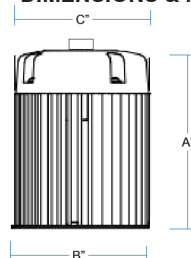


HBB-12A-O
12" Acrylic, Open Refractor

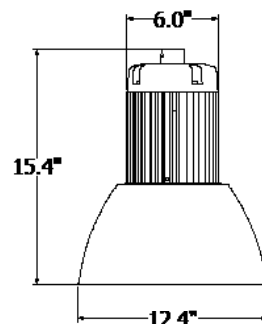


HBB-12A-E
12" Acrylic, Enclosed Refractor

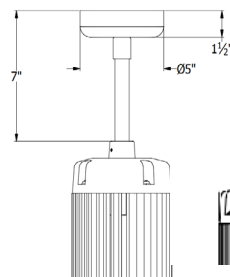
DIMENSIONS & MOUNTING OPTIONS



	A Height	B Heat Sink Width	C Driver Width
4,000-6,000 lumens	8	6	5
8,000-16,000 lumens	8	6	6
20,000 lumens	10	6	6



HBB-12AO



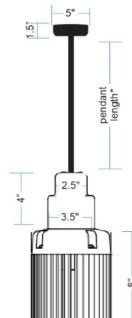
6" Stem



Hook
2 3/8" x 1 1/2"



Cable
2'-10' max
adjustable cable



Pendant

See the HBB Mounting Options sheet for more details.

HBB-12A

	DELIVERED LUMENS @ 35K	DISTRIBUTION	COLOR TEMPERATURE	CRI	REFRACTOR	MOUNTING	VOLTAGE
12" LED Architectural High Bay	-40 4155 lumens	-DX No Optical Lense (85°)	-30K 3000 K	-80	-O 12" Acrylic, Open	-HK Hook	-120/277
	-60 6233 lumens	-D25 25° Fresnel Lense	-35K 3500 K	-90	-E 12" Acrylic, Enclosed	-ST 6" Stem Mount	
	-80 8103 lumens		-40K 4000 K		-OW 12" Translucent White, Open	-PND-HBB Pendant " *	
	-100 10128 lumens				-EW 12" Translucent White, Enclosed	-CAB-C-10 Cable w/ straight cord. Adj. 2'-10'	
	-120 11998 lumens						
	-160 15893 lumens						
	*Standard with 0-10V 10% dimming					*Specify Pendant Length (e.g. -PND24)	



HBB-12A



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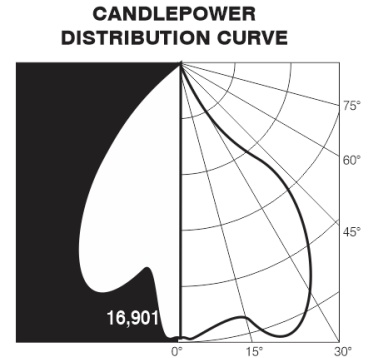
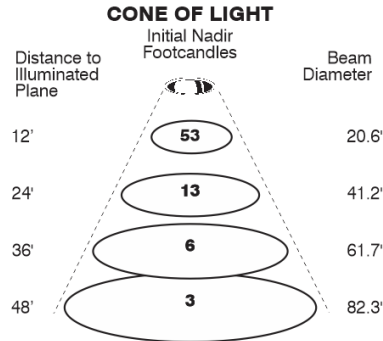
Architectural High Bay, Acrylic Refractor

PHOTOMETRY

HBB-12A-160-DX-O, Report No: CRT1904301123-002+001-001, 05/02/2019, 16,900 delivered lumens, 132 input watts, 128 lm/W, 3500K, 80CRI

ZONAL LUMEN SUMMARY

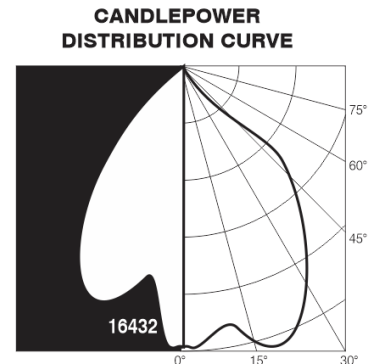
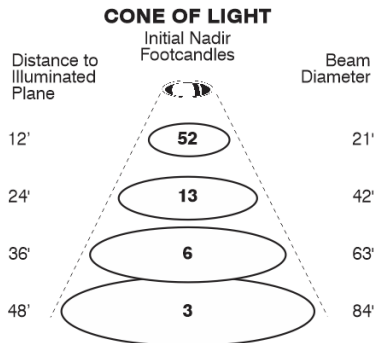
Zone	Lumens	% Luminaire
0-30	6,272.6	37.1%
0-40	10,105.7	59.8%
0-60	13,119.6	77.6%
60-90	2,591	15.3%
70-100	1,825.9	10.8%
90-120	787.6	4.7%
0-90	15,710.6	93%
90-180	1,190.2	7%
0-180	16,900.9	100%



HBB-12A-160-DX-OW, Report No: CRT1904301123-002+001-001, 05/02/2019, 16,432 delivered lumens, 132 input watts, 124 lm/W, 3500K, 80CRI

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	6,437.1	39.2%
0-40	10,470.1	63.7%
0-60	13,407.9	81.6%
60-90	1,790.0	10.9%
70-100	1,099.8	6.7%
90-120	621.1	3.8%
0-90	15,197.9	92.5%
90-180	1,233.9	7.5%
0-180	16,431.8	100%



PERFORMANCE DATA

Model	Input Watts	Delivered Lumens	Efficacy (lm/W)
HBB-12A-60-DX-O	49	6,422	131
HBB-12A-80-DX-O	66	8,450	128
HBB-12A-100-DX-O	82	10,648	130
HBB-12A-120-DX-O	99	12,676	128
HBB-12A-160-DX-O	132	16,901	128
HBB-12A-60-D25-O	49	5,622	115
HBB-12A-80-D25-O	66	7,398	112
HBB-12A-100-D25-O	82	9,321	114
HBB-12A-120-D25-O	132	14,795	112
HBB-12A-160-D25-O	132	14,795	112
HBB-12A-60-DX-OW	49	6,244	127
HBB-12A-80-DX-OW	66	8,216	124
HBB-12A-100-DX-OW	82	10,352	126
HBB-12A-120-DX-OW	99	12,324	124
HBB-12A-160-DX-OW	132	16,432	124
HBB-12A-60-D25-OW	49	5,450	111
HBB-12A-80-D25-OW	66	7,171	109
HBB-12A-100-D25-OW	82	9,035	110
HBB-12A-120-D25-OW	99	10,756	109
HBB-12A-160-D25-OW	132	14,341	109

COLOR TEMPERATURE CONVERSIONS

Peachtree performance data is presented as delivered lumens. Standard photometric test data is based on 3500K CT and 80 CRI. For other CCTs and CRIs, use the following conversion factors:

CCT/CRI	Conversion Factor
3000K at 80 CRI	0.99
3000K at 90 CRI	0.81
3500K at 80 CRI	1.00
3500K at 90 CRI	0.83
4000K at 80 CRI	1.01
4000K at 90 CRI	0.86
5000K at 80 CRI	1.04
5000K at 90 CRI	0.89