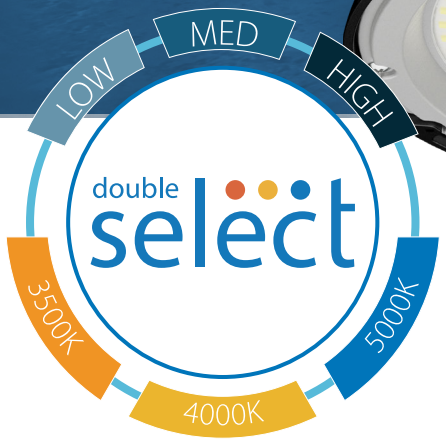
NICOR® HBC7

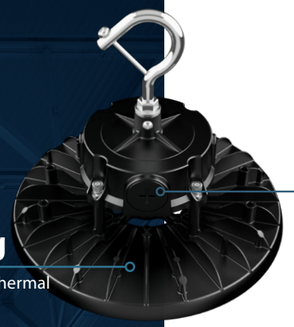
Selectable Low Bay / High Bay





CERTIFIED · DLC LISTED PREMIUM · WET LOCATION RATED · IP65 · NSF · 5 YEAR WARRANTY

HBC7



Die-Cast Aluminum Housing

Ultra-slim design with an off-board driver enhances thermal management. The vented aluminum heatsink offers superior cooling while reducing the weight of the fixture.

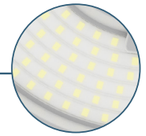


Selectable Wattage

Low | Med | High

Selectable CCT

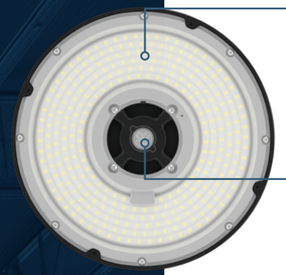
3.5K | 4K | 5K

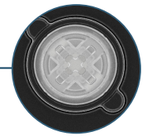


High-Efficiency Performance

Up to 44,227 lm

Up to 176 lm/W





Advanced Lighting Controls

Occupancy detection, daylight harvesting, and wireless control

0-10V | MW | PIR | NLC

Effortless Installation

A locking bolt hook (M10 thread) is included for secure mounting. Available accessories include a 3/4" NPT pendant adapter, yoke, and lens wire guard.



Selectable Wattage and CCT in Three Sizes Up to 300W

The HBC7 LED Circular Low-Bay/High-Bay is a high-performance lighting solution with selectable wattage, selectable color temperature, and wireless control technology. Now available in three sizes up to 300W, it offers improved energy efficiency in a sleek, compact form with low-voltage accessory features. The die-cast aluminum housing with integrated heatsink is designed with multiple mounting points for added options and accessories. The HBC7 delivers an impressive efficacy of up to 176 lumens per watt and excellent color rendering for true clarity. The impact-resistant polycarbonate lens provides consistent light dispersion, while optional reflectors help reduce glare and provide targeted light distribution. The HBC7 operates at 120-277V (277-480V optional) with 0-10V dimming and a 12V accessory wire for standard or smart (NLC) sensors. Built to last, it is DLC 6.0 Premium listed, wet location rated, IP65 and NSF listed, designed to withstand surges up to 6kV, and backed by a TM-21 reported L70 life of more than 102,000 hours and a 5-year limited warranty. Add a 40W emergency backup for added safety and security.

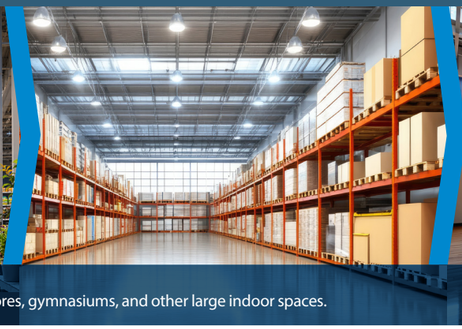
Performance Data

Model #	CCT	120-277VAC (U)			277-480VAC (H)		
		Lumens	Watts	LPW	Lumens	Watts	LPW
HBC7150S*S8	3500	15600	100	156.0	15408	100	157.0
	4000	16544		176.0	16089		173.0
	5000	16200		162.0	15538		160.0
	3500	17760	120	148.0	17767	120	149.0
	4000	19494		171.0	18871		167.0
	5000	18720		156.0	18171		154.0
HBC7240S*S8	3500	21536	150	142.6	21324	150	143.9
	4000	23956		165.2	22662		161.3
	5000	22485		149.2	21666		147.7
	3500	23500	150	157.0	22140	150	157.0
	4000	24464		176.0	23142		174.0
	5000	23700		158.0	22323		160.0
HBC7300S*S8	3500	29800	200	149.0	28787	200	150.0
	4000	32148		171.0	30408		168.0
	5000	30400		152.0	29241		154.0
	3500	33084	240	143.3	33744	240	144.1
	4000	36171		165.1	35678		161.6
	5000	34129		145.6	34191		147.6
	3500	37200	240	155.0	36022	240	152.0
	4000	38808		168.0	38250		170.0
	5000	37400		156.0	37548		157.0
	3500	39690	270	147.0	39098	270	145.0
	4000	41958		162.0	42496		166.0
	5000	40500		150.0	41088		151.0
	3500	40641	300	141.6	40364	300	139.1
	4000	43503		158.5	44227		160.3
	5000	41667		143.6	42290		144.2

*Model # shown as HBC7XXXS*S8: replace * with U (120-277VAC) or H (277-480VAC). See spec sheet for more information on the performance data. Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.







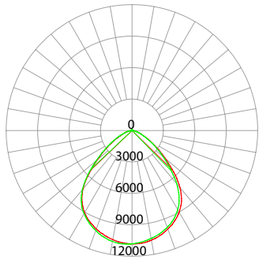


Applications: Warehouses, retail stores, gymnasiums, and other large indoor spaces.

Photometric Data

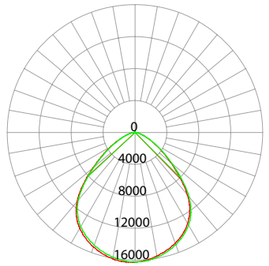
HBC7 150W 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	150.72
Delivered Lumens (Lm)	22485
System Efficacy (Lm/W)	149.18
Correlated Color Temp (K)	5186
Color Rendering Index (CRI)	83.7
Spacing Criteria	1.24



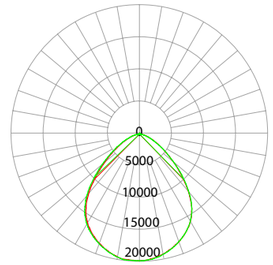
HBC7 240W 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	234.4
Delivered Lumens (Lm)	34129
System Efficacy (Lm/W)	145.6
Correlated Color Temp (K)	4934
Color Rendering Index (CRI)	82.6
Spacing Criteria	1.26



HBC7 300W 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	290.15
Delivered Lumens (Lm)	41667
System Efficacy (Lm/W)	143.61
Correlated Color Temp (K)	5247
Color Rendering Index (CRI)	84.2
Spacing Criteria	1.22



Built to Perform. Built to Last.

>102,000 hrs — TM-21 reported L70 life

5-Year — Limited system warranty

6kV — Surge protection per ANSI C82.77-5

IP65 — Wet location rated, NSF/ANSI 2 listed

-40°F — Operates from -40°F to 122°F*

Ordering Information

Example: HBC7150SUS8BK

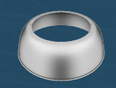
Series	Version	Wattage	Voltage	CCT's	CRI	Finish
HBC	7	**150S** (100W/120W/150W)	**U** (120-277VAC)	**S** (3500K/4000K/5000K)	**8** (80+)	**BK** (Black)
		240S (150W/200W/240W)	**H** (277-480VAC)			**WH** (White)
		300S (240W/270W/300W)				

Specifications and dimensions subject to change without notice. *Operating range is -22°F to 122°F with sensor installed and 32°F to 122°F with emergency pack installed.

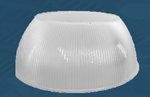
Accessories



Wire Guard



90° Aluminum Reflector



90° Polycarbonate Reflector



Polycarbonate Glare Shield



Pendant Mount Adapter



Yoke Mount



Microwave Motion Sensor



PIR Sensor



H12V2-Remote



Emergency Backup



EM Remote



NLC Wireless

Accessories sold separately. 150W and 240W reflectors require the HBC7RFLADAPT reflector adapter. 277-480V high voltage transformers also available. See spec sheet for part numbers.



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