HBC7



NICOR®

SELECTABLE LOW-BAY / HIGH-BAY

FEATURES & BENEFITS

1. Visual Aesthetic & Application

The HBC7 features a sleek, ultra-slim circular design with a durable die-cast aluminum housing, available in black or white finishes to complement a variety of commercial and industrial environments. Its compact construction incorporates a vented heatsink and off-board driver for improved thermal management while reducing overall fixture weight. Designed for both low-bay and high-bay applications, the HBC7 delivers powerful, efficient illumination ideal for warehouses, manufacturing facilities, retail stores, gymnasiums, and other large indoor spaces.

2. Performance

High-efficiency LEDs deliver up to 44,227 lumens with efficacy reaching 176 lumens per watt, providing exceptional illumination while minimizing energy consumption. Selectable wattage configurations ranging from 100W to 300W and selectable color temperatures of 3500K, 4000K, and 5000K provide flexibility to meet varying application requirements. The standard 90° polycarbonate optic delivers consistent light distribution, while optional aluminum and polycarbonate reflectors and glare shields provide additional optical control. An impact-resistant polycarbonate lens and standard 80+ CRI ensures dependable performance and accurate color representation.

3. Controls

The HBC7 features selectable wattage and color temperature settings, allowing users to customize light output and appearance to suit specific installation requirements. Standard 0–10V dimming and a pre-installed sensor socket support field-installable microwave or PIR motion sensors for enhanced energy management. Optional NICOR Network Lighting Controls (NLC) utilize Bluetooth Low Energy mesh technology to provide luminaire-level lighting control, occupancy detection, daylight harvesting, scheduling, and scene management. Wireless configuration through the NICOR NLC app simplifies system adjustments while supporting efficient building operation.

4. Installation

A standard mounting hook with locking bolt provides simple, secure installation, while optional pendant and yoke mounting accessories accommodate a variety of mounting configurations. Factory-installed 6-foot power and 3-foot accessory cords simplify electrical connections and integration with compatible sensors and controls. Standard 120–277VAC operation, with optional 277–480VAC compatibility, provides flexibility across commercial and industrial electrical systems. An optional 40W emergency battery backup supports a minimum of 90 minutes of emergency illumination during power outages, providing added safety and reliability.

5. Certifications & Listing

The HBC7 is cULus Listed under UL 1598 for wet locations and carries an IP65 rating for protection against dust and water intrusion. DLC 6.0 Premium listing supports high-efficiency lighting applications, while NSF/ANSI 2 Food Equipment listing expands suitability for applicable food-related environments. The fixture is RoHS compliant and meets FCC Part 15, Subpart B, Class A requirements, with a TM-21 reported L70(9k) lifetime exceeding 102,000 hours for long-term performance and reliability.

6. Warranty

Covered by a 5-year limited system warranty, with recommendations for additional surge protection in installations prone to power surges.