DUVON™

FORGE

100W / 120W / 150W / 200W

Product Overview

Industrial-grade LED high bay lighting solution for warehouses, manufacturing facilities, and indoor sports venues. Designed for efficiency, durability, and consistent performance in demanding indoor environments.

Applications

Sports & Recreation

- Indoor courts (basketball, pickleball, etc.)
- Training gyms & fitness facilities
- Multi-purpose recreation centers
- School gymnasiums

Industrial & Infrastructure

- Warehouse & distribution centers
- Manufacturing & assembly floors
- Maintenance garages & service bays
- Cold storage & large refrigerated rooms

Performance Highlights

- **High-efficacy** soliDV-state LED system
- **Wide optical distributions** for large indoor spaces
- **Advanced thermal management** for long service life
- **Instant on/off operation** with no restrike delay
- **Suitable for high-mounting** height applications
- **5-year limited manufacturer's warranty**

Engineered, Manufactured & Supported in-House

Duvon™ designs and manufactures complete LED lighting systems and turnkey solutions engineered for predictable performance, long-term reliability, and simplified service. Our systems deliver precision and uniformity across sports, stadium, industrial, and municipal applications.

5 YEAR WARRANTY

Specifications

Performance & Environmental Ratings	
Available Beam Angles	90° / 120°
Operating Temp	-104°F to 131°F
Protection Rating	IP65 (IP67 & IP 68 Components)
Rated Life	L70 ≥ 50,000 hrs
Warranty	5 years

Lumen Output	
APL-HBL100N (100W)	13,000 lm
APL-HBL120N (120W)	15,600 lm
APL-HBL150N (150W)	19,500 lm
APL-HBL200N (200W)	26,000 lm

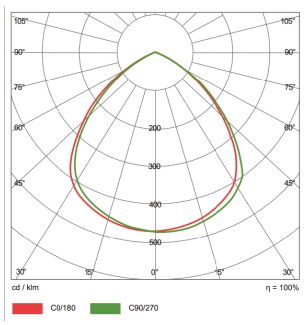
Construction & Mounting	
Housing Material	Die-cast aluminum
Finish	Outdoor rated powder coating
Color	Black / White / Custom
Weight	13.2 lbs / 14 lbs (w/ cover)
Mounting	Hook mount / U-Bracket (opt.)
Cover	Options available

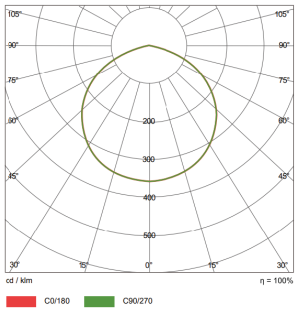
Electrical & Control Components	
LED Chips	Nichia / Cree
Drivers	Meanwell / Inventronics
Surge Protection	10kV / 20kV (opt.)
Controls	Smart control available (opt.)

Motion sensor option available by customization.

Example IES files available.

Luminous Intensity Distribution





Electrical Data — Input Current (Amps)

(Nominal value shown; actual values may vary by driver configuration...)

Input Voltage	100W	120W	150W	200W
110V	0.91A	1.09A	1.36A	1.82A
240V	0.42A	0.5A	0.63A	0.83A
277V	0.36A	0.43A	0.54A	0.72A
480V	0.21A	0.25A	0.31A	0.42A

Ordering Information

Select one option from each column to build the model number. Contact Duvon™ for custom options.

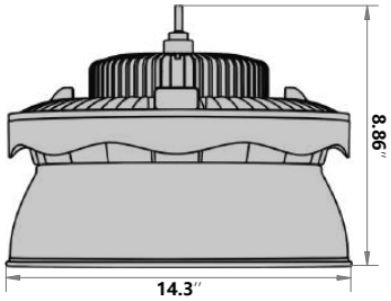
Ex: 12 — DV-HBL100N — 100 — 5K — 70 — 25 — 100-277V — UB — SC

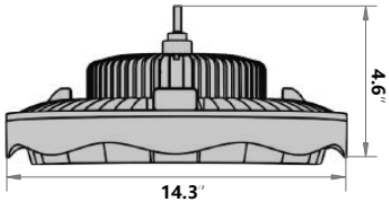
Qty.	Model No.	Watts	Color	CCT	CRI	Optic	Input Power	Accessories	Smart Ctrl (opt.)
	DV-HBL100N	100	Black	3K = 3000K	70	90°	100-277V	UB = U-Bracket	SC = Included
	DV-HBL120N	120	White	4K = 4000K	80	120°	277-480V		[Blank] = None
	DV-HBL150N	150		5K = 5000K	90				
	DV-HBL200N	200		5.7K = 57000K					

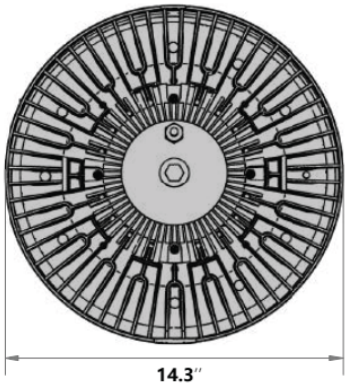
Standard stock: 5000K CCT | 70 CRI (3000K - 6500K CCT / Other CRI options available).

All technical specifications and datas are subject to modification at any time and without notice.
Contact us for the most up-to-date information or visit www.duvonlighting.com
710 Armstrong Dr, Buffalo Grove, IL 60089 / Phone: (224) 567-8070 / Email: sales@duvonlighting.com

Dimensions







Accessories

Add accessory part numbers in the ordering information.

ACCHBL001

ACCHBL002

ACCHBL003

ACCHBL004

ACCHBL005

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① Wireless Zigbee Controller

Versatile Control: Features on/off, dimming, scheduling, and optional clouDV-based monitoring.
Pre-Programmed Switch: Five-button switch with preset dimming for easy operation.
Flexible Connectivity: Compatible with LAN, Wi-Fi, or cellular networks.
Durable Design: Weather-resistant for reliable outdoor use.
Scene Management: Supports Static, Dynamic, and ProFX lighting scenes.

② Wireless DMX Controller

Advanced Control: Includes on/off, dimming, scheduling, scene management, and clouDV-based monitoring.
Mobile App: Easy scene activation and control via Android/iOS devices.
Integrated Display: Real-time system monitoring and configuration updates.
Dynamic RGB: Supports vibrant RGB lighting and customizable scenes.
Reliable Connectivity: Offers cellular and LAN options with interference-free Sub-GHz RF.
Weather-Resistant: Built for harsh outdoor conditions.
Effortless Setup: Simplified commissioning for quick installation.
24/7 Monitoring: Cellular connectivity ensures real-time updates and optimization.

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