

lampar^{ARCH}

LLHB | Titan-II ^{PRO+}

Product Data Sheet



COMMERCIAL-GRADE

LED Linear High-Bay



WATTselect



CCTselect



NLC Compliant



TAA Compliant

155W — 600W

Product Overview

INTENDED USE — Titan-II series luminaire is the latest in high-performance LED linear highbay technology. Engineered to replace traditional fluorescent or metal halide highbays, Titan-II delivers superior performance in a compact, easy-to-manage package.

The Titan-II is also versatile and easy to install. It can be mounted in suspended or mounted environments, and is compatible with a variety of control systems. May be Made in Mexico, making it **TAA-compliant**. This allows for more market utility and broader implementations across commercial and government projects.

CONSTRUCTION — The durable cast-aluminum housing is designed for durability and ruggedness. Finished with iron phosphate coating with rust inhibitor to protect against contaminants and oxidation.

OPTICS — The advanced optical design combines precision and uniform output. Crafted from high-grade polycarbonate, the refractor is carefully engineered to optimize light extraction, creating a radiant luminaire that enhances nighttime aesthetics. The UV-stabilized polycarbonate lens provides vandal resistance and improved light dispersion for better visibility.

ELECTRICAL — The light engine comprises long-lasting, energy-efficient LEDs mounted on an internal aluminum heat sink. This setup improves heat dissipation and extends the product's lifespan. These LEDs maintain 90% of their light output even after 50,000 hours of continuous operation.

WARRANTY — With a standard 7-Year/75,000hrs warranty, the Titan-II is built to last. It can replace up to 2,000W MH, making it a reliable and cost-effective solution for a wide range of applications.

ARCHIPELAGO luminaires and LED components undergo rigorous testing by an independent laboratory to meet IESNA LM-79 and LM-80 standards for light output and lumen maintenance. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Applications



Warehouse



Gym



Industrial



Retail

Main Features

- Thermally isolated driver design with 0-10V dimming
- Die-cast aluminum for superior thermal & structural integrity
- Built-in 6KVa surge protection w/ option for in-line surge protection
- Compact design weighs less, minimizes installation time, and performs at the highest levels as a full-sized linear high bay
- Advanced lensing meets DLCv5.1 standard for Unified Glare Rating (UGR) with optional distribution optics
- Eco-friendly contractor packaging reduces packaging waste
- Standard suspend mounting hardware (included)
- 70% lumen maintenance at >100,000 hours
- Advanced driver is rated for AC97-305Vin
- Suitable for use in -40°F to 140°F

Product Warranty*

7-Year Warranty



75,000 Hrs



* Standard warranty. Extended warranty available.

Archipelago Lighting, Inc.

| **Headquarter:** 4615 State Street, Montclair, CA 91763

| **USA Production:** 7345 Sycamore Canyon Blvd, Riverside, CA 92508

Contact Us

www.archipelagolighting.com

+1 (866) 912-3220



Highlights

Features		Description
3-WATTselect		Wattage selectable: 3-way dip-switch
2-CCTselect		CCT selectable: 2-way dip-switch
blueARCH™ Controls		SIG-qualified Bluetooth Mesh lighting control solution. Technology by Silvair.
Ultra-High Performance		Up to 600W, replacing up to 2,000W MH
TAA-Compliant		Optionally may be Made in Mexico. More market utility and broader implementations across commercial and government projects.



TAA-Compliant

Model Specifications

Model	3-WATTselect (W) ¹	Lumen (lm)	Efficacy (lm/W) ²	2-CCTselect (K)	Voltage (V)	CRI
LLHB155-2CS	85W	12,750lm	150lm/W	4000K 5000K	120-277V 277-480V	>80
	130W	19,500lm	150lm/W			
	155W	23,250lm	150lm/W			
LLHB320-2CS	215W	32,465lm	151lm/W			
	255W	38,505lm	151lm/W			
	320W	48,320lm	151lm/W			
LLHB400-2CS	330W	50,490lm	153lm/W			
	360W	55,080lm	153lm/W			
	400W	61,200lm	153lm/W			
LLHB600-2CS	450W	66,600lm	148lm/W			
	510W	75,480lm	148lm/W			
	600W	88,800lm	148lm/W			

1. Default settings on WATTselect and CCTselect is max wattage and highest CCT.

2. Measured at 5000K.

Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Key Specifications

• Dimming:	0-10V
• Efficacy:	≤155lm/W
• Housing:	Die-Cast Aluminum
• IP:	IP20 Indoor Damp Location
• Input Voltage:	120-277V & 277-480V
• Power Factor (PF):	>0.9 Non-Flicker
• Operating Temperature):	-40°F - 140°F
• Total Harmonic Distortion (THD):	<20%
• Color Rendering Index (CRI):	>80

Certifications



**Suspension Aircraft Cables**

Suspended mount aircraft cables comes standard on every fixture.

Housing

Advanced thermal management anti-rust steel frame with white coat finish. Suitable for suspended pendent and surface mount.

Threaded Conduit

Support threaded throughput wires from conduit holes for easier end-to-end wiring connections.

Optional Microwave/PIR Motion Sensor

Optional motion sensor allows for security and energy savings.

Optional Emergency Driver

Operate for up to 90min w/ out line-voltage power.

CCTselect Dip-Switch

Switch between 4000K, or 5000K right on the luminaire itself.

Ordering Guide¹

Model Series	WATTselect (W)	CCTselect (K)	Voltage (V)	Series	TAA Compliant
LLHB LED Linear High-Bay	155 155W Max 320 320W Max 400 400W Max 600 600W Max	2CS 2-CCTselect: 4000K 5000K	U 120-277V H 277-480V	T2 Titan-II	[Blank] Non-TAA TAA TAA Compliant
CATALOG #:					
LLHB		2CS		T2	

Options Guide²

EM Driver	Motion Sensor	Optics (Field Swappable)	Power Cord / Whip / Plugs ³	Surge Protection (In-Line) ⁴	Wire Guard & Mounts
☐ EM20 20W EM Driver ☐ EM60 60W EM Driver ☐ JBX Mounting J-Box for EM Driver	☐ BLS PIR Bi-Level Sensor ☐ RM Remote Control (for bi-level sensor) ☐ NLC blueARCH™ Controls PIR Bi-Level Sensor	☐ 155-O35 35deg 155W Max ☐ 155-O65 65deg 155W Max ☐ 155-O90 90deg 155W Max ☐ 320-O35 35deg 320W Max ☐ 320-O65 65deg 320W Max ☐ 320-O90 90deg 320W Max ☐ 400-O35 35deg 400W Max ☐ 400-O65 65deg 400W Max ☐ 400-O90 90deg 400W Max	☐ 6C/3 6FT cord, with plug (3-wire: L/N/G) ☐ 15W/5 15FT whip, no plug (5-wire: L/N/G + 0-10V) ☐ L5-15P Twist lock options (Compatible to 6C/3) ☐ L5-20P ☐ L6-15P ☐ L7-15P ☐ L7-20P ☐ L8-20P	☐ SP10U 10KVa / 277V ☐ SP10H 10KVa / 480V ☐ SP20U 20KVa / 277V ☐ SP20H 20KVa / 480V	☐ WG155 Wire Guard (155W Max) ☐ WG320 Wire Guard (320W Max) ☐ WG400 Wire Guard (400W Max) ☐ WG600 Wire Guard (600W Max) ☐ PDM Pendant Kit ☐ SFM Surface Kit ☐ SPM Suspension Kit ⁵
OPTIONAL ACCESSORIES #:					

NOTE:

- Only one selection may be applicable within the same category.
- Multiple selections may be applicable within the same option category. See Compatible Accessories below for details.
- Standard cord length = 1.0FT
- Standard driver on-board SPD = 6KVa
- Standard 6FT suspension kit is included with fixture (**SPM**).

Archipelago Lighting, Inc.

| **Headquarter:** 4615 State Street, Montclair, CA 91763

| **USA Production:** 7345 Sycamore Canyon Blvd, Riverside, CA 92508

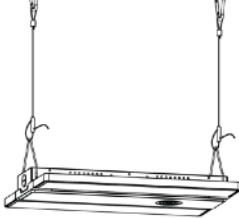
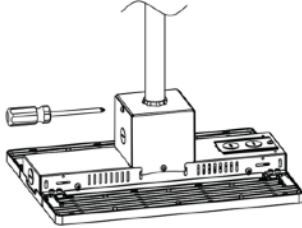
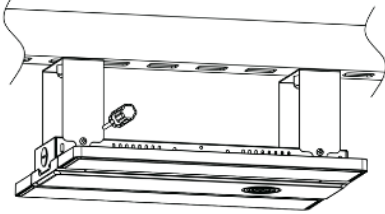
Contact Us

www.archipelagolighting.com

+1 (866) 912-3220



Mounting Options

Suspension Mount w/ Aircraft Cables¹Conduit Pendant Mount²Surface Bracket Mount²

TAA / Made in Mexico

Enhanced Competitiveness	By leveraging Mexico's competitive labor rates and operational efficiencies, we can bring you even more attractive pricing on our LED fixtures. This translates to increased savings for your projects without compromising on quality.
Improved Lead Times	Our Mexican facility positions us closer to major US transportation hubs, streamlining the delivery process and getting you the LED solutions you need faster. This is especially beneficial for time-sensitive projects.
Unwavering Quality	We maintain the same rigorous quality control standards across all our production facilities, ensuring you receive the reliable, long-lasting LED products you've come to expect from us.

NOTE:

1. Standard — Aircraft cables are included by default.
2. Optional — See Compatible Accessories below.

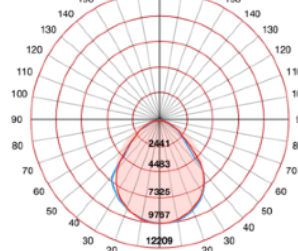
blueARCH™ Controls: Highbay Applications

Commission your own blueARCH™ Controls NLC deployment

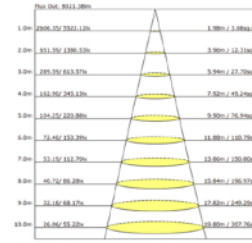
Planning Web App		1. Plan Light Behavior: Decide how lights function in each area. 2. Set Up Project: Create a project and invite collaborators. 3. Zone & Profile: Map your space, define zones, and configure lighting settings (cloud-based).	
Implementation Mobile App		4. Install Devices: Add lights, sensors following the pre-configured plan. 5. Assign Switches: Link physical switches to their zones. 6. Calibrate Sensors: Fine-tune ambient light sensors for optimal performance.	
Verification Mobile Web App		7. Verify Functionality: Ensure everything works as planned (no area errors). 8. Mesh Check: Test mesh network strength. 9. Review Report: Analyze commissioning results.	

Photometrics

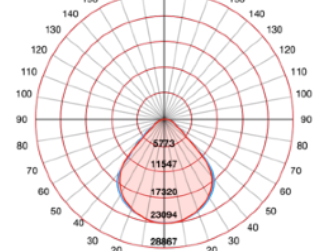
155W



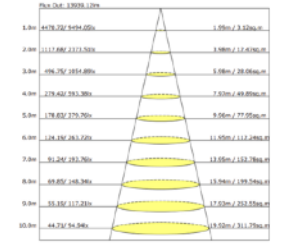
The Average Illuminance Effective Figure



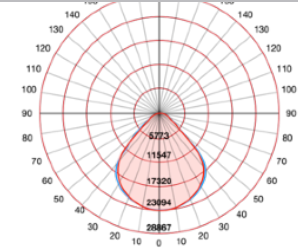
320W



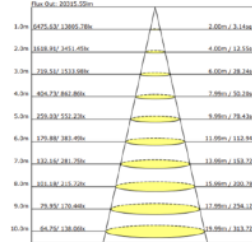
The Average Illuminance Effective Figure



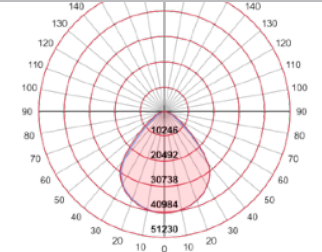
400W



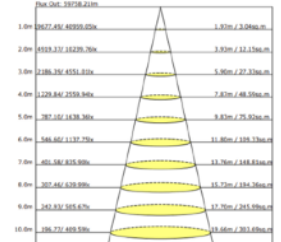
The Average Illuminance Effective Figure



600W

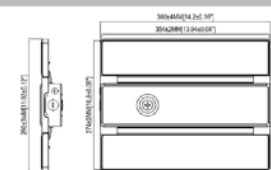
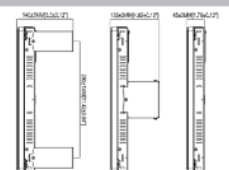
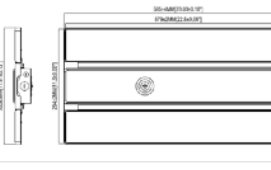
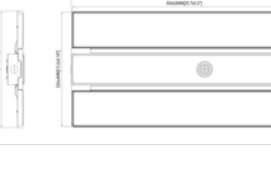


The Average Illuminance Effective Figure





Sizing & Measurements

Model	Length (in)	Width (in)	Height (in)	Net Weight (lb)	Carton Qty	Measurements	
LLHB155	14.20	10.80	1.76	4.4	1		
LLHB320	23.00	11.60	1.76	5.95	1		
LLHB400	26.00	15.20	1.96	7.92	1		
LLHB600	46.85	13.38	3.35	16.06	1		

DLC Model Guide

Product ID	Product	Model No.	DLC	Controls	Watt	Lumen	Efficacy	THD	PF
S-4CP19M	LLHB085-2CS-UT/d/b	LLHB155-2CS-UT	Premium	Yes	85W	13,062lm	154lm/W	15%	0.9
S-AEH62D	LLHB130-2CS-UT/d/b		Premium	Yes	129W	19,620lm	153lm/W	15%	0.9
S-L5MOC7	LLHB155-2CS-UT/d/b		Premium	Yes	152W	23,017lm	152lm/W	15%	0.9
S-SHCQIL	LLHB215-2CS-UT/d/b	LLHB320-2CS-UT	Premium	Yes	217W	32,881lm	151lm/W	15%	0.9
S-IFKA6Y	LLHB255-2CS-UT/d/b		Premium	Yes	253W	38,149lm	151lm/W	15%	0.9
S-24XMG6	LLHB320-2CS-UT/d/b		Premium	Yes	323W	49,837lm	155lm/W	15%	0.9
S-H03UNB	LLHB400-2CS-UT/d/b	LLHB400-2CS-UT	Premium	Yes	392W	59,742lm	153lm/W	15%	0.9
S-5UOKF7	LLHB400-2CS-HT/d/b	LLHB400-2CS-HT	Premium	Yes	387W	59,274lm	153lm/W	15%	0.9
S-VYY03C	LLHB600-2CS-UT/d/b	LLHB600-2CS-UT	Premium	Yes	594W	86,850lm	146lm/W	15%	0.9

Compatible Accessories

Category	Ordering Code	Model No.	Description	Sub-Assembly & Compatible Controllers		
				Ordering Code	Model No.	Description
EM Driver	 EM20	EM20-CMB/260	20W 260Vdc Output	 JBX	LLHB-T2/JBX	J-Box EM Driver
	 EM60	EM60-GMB/170DC	60W 170Vdc Output			
Motion Sensor Field Installable	 BLS	MSM-HTO/07P3/BLS	Outdoor Bi-Level Microwave	 RM	RM-HT/06S	H-Series w/ LCD Display
	 NLC	MSP-SRO/903P3/NLC	Silvair BTLE NLC PIR blueARCH™ Controls Technology by SILVAIR	 DCT DDI	CSR-DCT/2421 CSR-DDI/2421	SIG Mesh to DALi
				 SVV SVVT	RSR-SVV/2421 RSR-SVVT/2421	Networked Relay Device
Optics Field Swappable	 155-O35 155-O65 155-O90 320-O35 320-O65 320-O90 400-O35 400-O65 400-O90	35deg 155W Max 65deg 155W Max 90deg 155W Max 35deg 320W Max 65deg 320W Max 90deg 320W Max 35deg 400W Max 65deg 400W Max 90deg 400W Max				
Power Cord / Whip / Plugs	 6C/3	91603 92065	3-Prong Plug 6FT 16AWG 100-300V			
	 15W/5	C15/Whip	15FT Whip 5-Wires	 L5-15P L5-20P L6-15P L7-15P L7-20P L8-20P	PL5-15P PL5-20P PL6-15P PL7-15P PL7-20P PL8-20P	
Step-Down Transformer	 325	SDT-HTO/325	480V to 207V 325Va Max	 BSD	LLHB-T2/BSD	Bracket Mount for SDT
Surge Protection	 SP10U SP10H SP20U SP20H	10SP/277 10SP/480 20SP/277 20SP/480	In-Line SPD 10KVa 277V In-Line SPD 10KVa 480V In-Line SPD 20KVa 277V In-Line SPD 20KVa 480V			
Wire Guard / Mounts	 WG155 WG320 WG400 WG600	LLHB-T2/WG155 LLHB-T2/WG320 LLHB-T2/WG400 LLHB-T2/WG600	Wire Guard 155W Max Wire Guard 320W Max Wire Guard 400W Max Wire Guard 600W Max			
	 PDM	LLHB-T2/PDM	Pendant Mount Kit			
	 SFM	LLHB-T2/SFM	Surface Mount Kit			
	 SPM	LLHB-T2/SPM	Suspension Mount Kit • Standard length is 6FT • Custom length is available, please contact your local sales person			