

Model #

32C-HB-2P-56-8-110

Hennessy II Series High Bay Luminaire



TITAN LED
LIGHTING SOLUTIONS

Hand Crafted with Pride in The United States of America

140 Watt Solid State High Bay Fixture

Total Lumen Output:
25,683 lm INITIAL
22,078 lm DELIVERED
Kelvin Temp: 5000K
Max. Candela: 8041
CRI: 72
Lighting Angle: 110°

Specifications - Electrical

Voltage Range:	120 - 277V
Max. Ambient Temperature:	-4° to 139°F / -20 to 59°C
Efficacy INITIAL	179.6 lm/W
Voltage	120 V
Frequency	60.0 Hz
Current	1.171 A
Power	140 W
Drive Current	800 mA
Power Factor	1.0
Efficacy DELIVERED	157.5 lm/W
THD	3.1 %
Voltage	277 V
Frequency	60.0 Hz
Current	0.538 A
Power	138 W
Drive Current	800 mA
Power Factor	.93
Efficacy DELIVERED	159.9 lm/W
THD	6.9 %

Specifications - Mechanical

LED Count: 56 High Power-Lumileds LUXEON Tier One Diodes
Dimensions: 16-5/8" L x 16-1/8" W x 4-5/8" H
Net Weight: 18.05 lbs / 0.45 kg
Rugged 18 Gauge Aluminum Housing
Durable Powder Coated Finish
Optional Colors with a Minimum Order Requirement
Polycarbonate Flame Retardant Lensing
Proprietary Optics
Solid Core Circuit Boards
Extruded Aluminum Heat Sink
Active Chamber Cooling Technology
Stainless Steel Hardware
Mounting: Built In J-Box 3/4" Meyers Hub Ready
Four Built In Top Side Cable Hanging Hooks
Replaces up to 600 Watt HPS or MH

Additional Model SKU

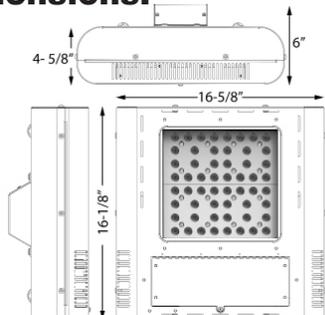
32C-HB-2P-56-8-80

32D-HB-2P-56-8-120

Options:

- # 50-SD480V-IP66-168 (Required for 480V Installation)
- # 50-SENSOR-PC (120 - 277V) (Photo Cell)
- # 50-SENSOR-PC-480V (Photo Cell)
- # 50-MSOD-SENSOR (Hybrid)

Dimensions:



155,000
RATED HOURS



Increased Safety

- Ideal for illuminating Warehouses, Gymnasiums, Manufacturing area's, Garages, Etc.
- Simple and Secure Installation with industry standard Meyers Hub Based Hardware
- Improved Bright White Color and Increased Light Levels Improve Safety

Improved Maintainability

- Lowers Cost of Ownership - Pays Back Purchase Amount with Energy Savings
- Industry Leading Low LED Junction Temperature
- Decorative Heavy Gauge Powder Coated Aluminum Housing
- Environmentally Friendly, No Toxic Gasses, Chemical Free, Over 95% Recyclable
- Typically Reduces Energy Consumption 60 - 70% Over Metal Halide Lighting
- Noise Free, Instant On - Off Operation, No Flickering, No Warm Up Time
- Lumileds LUXEON Tier One Diodes
- L-70 at Over 155,000 Rated Hours with DOE TM-21 Calculator
- Quickly Go Green and Greatly Reduce a Companies Carbon Footprint

Optional Control

- Photo Cell and Motion Control Options for Title-24 Compliance Certification

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Additional Model SKU

32D-HB-2P-56-8-120

32C-HB-2P-56-8-80

Electrical Option SKU's

DRIVER-480V-1 (Required for 480V Installation)

50-SENSOR-PC (120 - 277V) (Photo Cell)

50-SENSOR-PC-480V (Photo Cell 480V)

50-MSOD-SENSOR (Hybrid)

Optional Accessory SKU's:

35-34 - 3/4" NPT Meyers Hub



35-EyeBolt - Heavy duty Eye Bolt



35-GL-AC-10 - 10' Locking Steel Cable



35-GL-AC-15 - 15' Locking Steel Cable



35-6C-NP-Hook - Male Fixture Hook

35-9C-NP - 9' cord Without Plug

35-9C-110P - 9' cord With 110V Plug



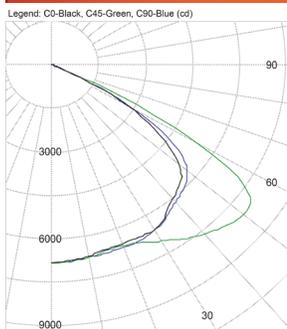
50-LEM05-BB- (Battery Backup System)

Optional Uplight SKU:

3C-3-T5-5K-Uplight

Please Note: The optimal distance to the ceiling from the Top mounted LED Light to achieve Uplight is between 3 to 8 foot

Candela Intensity:



INTENSITY SUMMARY (cd)						
Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	6830	6830	6830	6830	6830	647
5.0	6778	6798	6807	6798	6813	
10.0	6699	6722	6740	6743	6765	
15.0	6605	6629	6662	6683	6719	1889
20.0	6568	6603	6648	6675	6714	
25.0	6577	6682	6765	6728	6690	3110
30.0	6571	6842	7027	6830	6591	
35.0	6342	7009	7342	6994	6410	4348
40.0	6019	7091	7615	7134	6167	
45.0	5806	7045	7861	7129	5983	5375
50.0	5309	6650	8041	6800	5649	
55.0	4215	5496	7861	5961	4774	5100
60.0	2803	3585	5225	4026	2908	
65.0	1000	1238	1534	1243	1008	1496
70.0	196	191	124	164	168	
75.0	96	82	61	69	88	91
80.0	44	54	46	47	41	
85.0	15	22	16	18	10	22
90.0	0	0	0	0	0	



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TITAN LED High Bay Topside Features:

- Rugged 14 Guage Powder Coated Aluminum
- Durable Built In 4 Corner Cable Hangers
- Easy Access Top Side Junction Box with 3/4" Hole



• **OPTIONAL HIGH BAY 9W UPLIGHT**

The above image illustrates the back lid of the Titan LED High Bay fixture with the Optional Uplight SKU installed. This optional top mounted 9W LED board is equipped with a Type 5 optic which provides a wide pattern of uplight disperement.



Titan LED's Patented ACC Technology is designed to deliver the greatest efficacy in today's LED market by utilizing 28 thermal exchange ducts through which cool air is actively vented to drastically reduce the core junction temperature of high power LEDs. A high power LED generates a great deal of heat. Heat however, has a deteriorating effect on the light emitting properties of any LED. It also reduces the amount of light an LED can produce, which is why LED lighting fixtures are brighter when they are initially lit and dim as they heat up. As a result, the fixture may lose as much as 20% of light once the attached heat sink reaches its heat saturation level.

ACC technology prevents the heat sink from reaching full saturation level, thereby consistently maintaining the greatest level of light output a high power LED can produce.

Most modern high powered LED lighting fixtures use internal convection cooling to cool their heat sinks in order to prevent an LED from burning out. This circulates air within the fixture housing basically creating a convection oven and heating up the fixture. ACC Technology divides the fixture interior into two distinct chambers; the cool chamber and the hot chamber. The cool chamber draws cool air in from outside the fixture across the LED driver helping to cool and extend the life span and efficiency of the driver. It then passes the cool air into the hot chamber through 28 thermal exchange ducts within the heat sink ensuring the core junction temperature of the LEDs are at or below the manufacturer's recommended optimal specifications for longest life, greatest efficacy and brightest light emission. The air flow through the thermal exchange ducts has been precisely calculated to provide the highest thermal exchange rate and the lowest noise level. The air is then vented out of the fixture through exhaust ports ensuring not only the coolest running LEDs, but the coolest fixture temperature as well. Our patent pending ACC Technology has set the bar very high for the most efficient LED fixture on the planet.