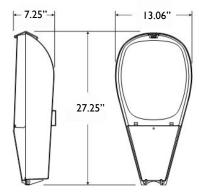
COBRAHEAD.A

All products feature Noribachi's exclusive Bespoke Engineered and Specifically Tailored (BEST) manufacturing methodology.

PRODUCT





CATALOG #:	TYPE:
PROJECT:	
COMMENTS:	DATE:
PREPARED BY:	

Product Information

The Cobrahead.A is a heavy-duty, outdoor LED lighting solution.

This LED lighting fixture features precision die-cast aluminum housing with powdercoat finish.

4,43 lm - 26,586lm

Applications: Municipal Buildings, Parking Lots, Roadways and multiple outdoor lighting applications.

Performance Summary

Lumens Range: Lumens Per Watt (Typical): CRI:

I4I Minimum 70 CRI. Custom CRI available upon request. 3000K, 4000K, 5700K arts from U.S. and imported.

CCT (Typical): 3000K, 4000K, 5700K Manufactured in the U.S. with parts from U.S. and imported.

Fixture Information Housing:

Lens: Mounting: Diffusion: **Specifications**

UL Listed:

Length:

Height:

Width:

Tempered Glass Pole Mount None

Gray / Custom

Wet Locations 27.25" 7.25" 13.06"

Electrical System Characteristics / Data

Standard AC input:I 20EMI filter:47CPower factor:.>9Total harmonic distortion:<20</td>Surge protection:IEC

120-277 VAC 47CFR, part 2, part 15 .>9 <20% IEC/EN 61000-4-5 EMC test standard

Electrical characteristics and performance data verified by independent 3rd party testing lab. For full reports and results, visit www.noribachi.com/reports.

	Ordering Information Sample Catalog Number: HEX-126-WW-B-MT-CBA						
LIGHT ENGINE	DRIVE CURRENT	COLOR TEMPERATURE	VOLTAGE	FIXTURE CODE	OPTIONAL UPGRADES	OPTIONAL BEAM SPREAD AND TYPE DISTRIBUTION	
HEX-021 HEX-042 HEX-063 HEX-084 HEX-105 HEX-126	8 8 8 8 8	CW – COOLWHITE (S700K TYPICAL) NW – NEUTRAL WHITE (4000K TYPICAL) WW – WARM WHITE (3000K TYPICAL)	мт	CBA – COBRAHEADA	HVI – 480V UP TO I50W HV2 – 480V QREATER THAN I50W COL-[RAL] – CUSTOM COLOR COAT – CUSTOM COLOR EPOXY – EPOXY COATING SGRI – 100V - 277V SURGE PROTECTOR SGR2 – 480V SURGE PROTECTOR 010V – 1.10V DIMMING FUNCTIONALITY STEP – STEP DIMMING FUNCTIONALITY POLE – ALSO AVAILABLE. SEE SEPARATE POLE SPEC SHEET AT NORIBACHI.COM/ POLES	 80D – OPTIONAL 80° BEAM SPREAD T1 - OPTIONAL TYPE 1 DISTRIBUTION T2 - OPTIONAL TYPE 2 DISTRIBUTION T3-OPTIONAL TYPE 4 DISTRIBUTION T4 – OPTIONAL TYPE 4 DISTRIBUTION TKS or TLS – OPTIONAL RIGHT OR LEFT SLANTED DISTRIBUTION 	

Warranty:

Five-Year Limited Warranty. Optional 10-Year Manufacturer's Warranty Available. Full Warranty Terms Available At www.noribachi.com/products/warranty

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ELECTRICAL

Construction

Precision die-cast aluminum housing with powdercoat finish and heat impact tempered glass.

Optics

High brightness, high efficiency LEDs. Color temperature options include Cool White (5700K typical), Neutral White (4000K typical) Warm White (3000K typical) with minimum 70 CRI. Custom RGBW colors available. 120° beam angle standard. Optional 80° beam angle available.

Controls

Optional controls include 480V for up to 150W light engines (HV1) and 480V for 150W-299W light engines (HV2). 100-722V (SGR1) and 480V (SGR2) Surge Protectors. 0-10V (010V) and Step (STEP) Dimming functionality.

Mounting

Poles are available for this fixture. See noribachi.com/poles for more information.

Driver

Available in B drive current (525 mA). Highly reliable. Suitable for dry, damp and wet locations. Compliant to worldwide safety regulations for lighting.

Testing Compliance

UL 1598 Issued: 2008/09/17 Ed:3 Rev:2012/10/17 UL Standard for Safety Luminaires CSA C22.2#250.0 Issued: 2008/09/17 Ed:3 Luminaires; General Instruction No.1 2010/01/11, General Instruction No. 2 2012/10/17.

Electrical System

Surge protection meets 10KV/5KA per ANSI/IEEEC62.41. Driver meets maximum harmonic distortion (THD) of 20% and is ROHS compliant. Power Factor = > 0.9.

Ambient Temperature

-40°C to +65°C (-40°F to + 149°F).

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Electrical Load						
LIGHT ENGINE	DRIVE	DRIVE CURRENT (AMPS@120V)	DRIVE CURRENT (AMPS@277V)	DRIVE CURRENT (AMPS@480V)	SYSTEM POWER* (WATTS)	
HEX-021	В	0.26	0.11	0.07	31.46	
HEX-042	В	0.53	0.23	0.13	63.02	
HEX-063	В	0.79	0.34	0.20	94.70	
HEX-084	В	1.05	0.46	0.26	126.48	
HEX-105	В	1.32	0.57	0.33	158.38	
HEX-126	В	1.59	0.69	0.40	190.38	
					*Ideal Wattage	

Operating	Operating Characteristics (Typical @5700K CCT)						
LIGHT ENGINE	DRIVE	LUMENS (T5)	INPUT POWER (WATTS)	LUMENS PER WATT			
HEX-021	В	4,431	31.46	140.87			
HEX-042	В	8,862	62.02	140.62			
HEX-063	В	13,293	94.70	140.38			
HEX-084	В	17,724	126.48	140.13			
HEX-105	В	22,155	158.38	1 3 9.89			
HEX-126	В	26,586	190.38	139.65			

Manufacturing

Manufactured in beautiful Harbor City, CA. ARRA Compliant. NAFTA Compliant. Test and burn-in of 100% of all luminaries before shipment. No less than 8-years experience in manufacturing LED-based products.

Note

Specifications subject to change without notice.

Actual performance may differ as a result of end-user environment application. Actual wattage may differ by +/-8%.

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PERFORMANCE / DISTRIBUTION

Power And Lumens By Light Engine

		-					
	DISTRIBUTION						
LIGHT ENGINE	DRIVE	ССТ	T I (LUMENS)	T2 (LUMENS)	T3 (LUMENS)	T4 (LUMENS)	T5 (LUMENS)
HEX-021	В	5700	4,354	3,450	3,441	3,988	4,431
HEX-042	В	5700	8,708	6,900	6,883	7,976	8,862
HEX-063	В	5700	13,062	10,349	10,324	11,964	13,293
HEX-084	В	5700	17,416	13,799	13,765	15,952	17,724
HEX-105	В	5700	21,770	17,249	17,207	19,940	22,155
HEX-126	В	5700	26,125	20,699	20,648	23,927	26,586

CATALOG #:

COMMENTS:

PREPARED BY:

PROJECT:

Type Distribution HEX-126

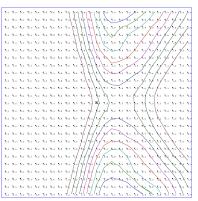
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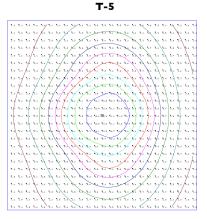
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Distribution

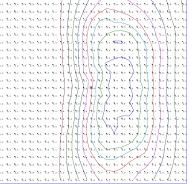
•120° Standard Beam Spread.

•80° Optional Beam Spread Available.

•Other Light Engine Type Distribution available upon request.

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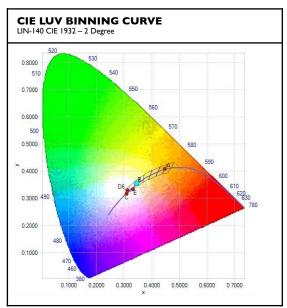


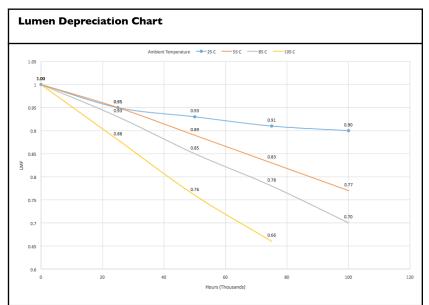
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PERFORMANCE / DISTRIBUTION





Lumen Maintenance Factors (B Drive)						
AMBIENT	INITIAL LMF	25K HR PROJECTED LMF	50K HR PROJECTED LMF	75K HR PROJECTED LMF	100K HR PROJECTED LMF	
25°C	1.00	0.95	0.93	0.91	0.90	
55°C	1.00	0.95	0.89	0.83	0.77	
85°C	1.00	0.93	0.85	0.78	0.70	
105°C	1.00	0.88	0.76	0.66	n/a	

Each temperature has an independent initial value. In accordance with IESNA TM021011, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip). In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)

Lumen Multiplier				
AMBIENT TEMPERATURE	LUMEN MULTIPLIER			
10°C	1.032			
I5°C	1.021			
25°C	1.000			
40°C	0.968			
50°C	0.946			

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Luminaire EPA Chart					
*	Single	0.5			
	ND-180°	1.0			
	ND-90°	0.8			
∎∓∎	NT-90°	1.7			
	NT-120°	1.7			
NQ-90° I.9					
Note: Mounting changes fixture EPA. Please contact Noribachi for additional information.					



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OPTIONAL UPGRADES

480V FOR LIGHT ENGINES <150W ORDER CODE: HVI



480V FOR LIGHT ENGINES >150W ORDER CODE: HV2



DIMMING ORDER CODE: OIOV ORDER CODE: STEP Appearance And Specifications: •010V =1 – 10V Dimming Functionality •STEP = Step Dimming Functionality



SURGE PROTECTOR ORDER CODE: SGRI ORDER CODE: SGR2 Appearance And Specifications: •100V -120V Surge Protector •480V Surge Protector



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