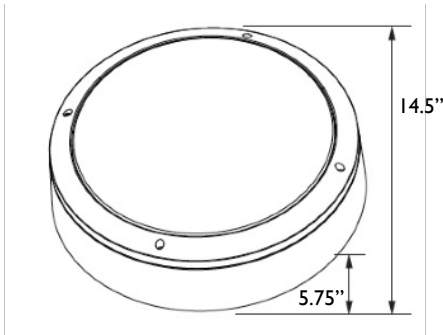


**CANOPY.O**

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PROJECT:	
COMMENTS:	DATE:
PREPARED BY:	

**PRODUCT**



**Product Information**

The Canopy.O is an elegant LED fixture that combines function, efficiency and design.

This LED lighting fixture features die-cast aluminum housing and an open front frame.

Applications: Gas Stations, Parking Garages, Underpasses and large outdoor lighting applications.

**Performance Summary**

Lumens Range: 3,129lm – 8,862lm  
 Lumens Per Watt (Typical) 141  
 CRI: Minimum 70 CRI. Custom CRI available upon request.  
 CCT (Typical): 3000K, 4000K, 5700K  
 Manufactured in the U.S. with parts from U.S. and imported.

**Fixture Information**

Housing: Black / Custom  
 Lens: Opalescent Polycarbonate  
 Mounting: Surface  
 Diffusion: None

**Specifications**

CSA Listed: Wet Locations  
 Height: 5.75"  
 Diameter: 14.5"

**Electrical System Characteristics / Data**

Standard AC input: 120-277 VAC  
 EMI filter: 47CFR, part 2, part 15  
 Power factor: >.9  
 Total harmonic distortion: <20%  
 Surge protection: IEC/EN 61000-4-5 EMC test standard

**Electrical characteristics and performance data verified by independent 3<sup>rd</sup> party testing lab. For full reports and results, visit [www.noribachi.com/reports](http://www.noribachi.com/reports).**

Ordering Information Sample Catalog Number: HEX-042WW-B-MT-CAO						
LIGHT ENGINE	DRIVE CURRENT	COLOR TEMPERATURE	VOLTAGE	FIXTURE CODE	OPTIONAL UPGRADES	OPTIONAL BEAM SPREAD AND TYPE DISTRIBUTION
HEX-021 HEX-021 HEX-042 HEX-042	A B A B	CW – COOL WHITE (5700K TYPICAL) NW – NEUTRAL WHITE (4000K TYPICAL) WW – WARM WHITE (3000K TYPICAL)	MT	CAO – CANOPY.O	COL-[RAL] – CUSTOM COLOR COAT – CUSTOM COAT EPOXY – EPOXY COATING SGR1 – 100V -277V SURGE PROTECTOR SGR2 – 480V SURGE PROTECTOR 010V – 1-10V DIMMING FUNCTIONALITY STEP – STEP DIMMING FUNCTIONALITY	80D – OPTIONAL 80° BEAM SPREAD T1 - OPTIONAL TYPE 1 DISTRIBUTION T2 - OPTIONAL TYPE 2 DISTRIBUTION T3 - OPTIONAL TYPE 3 DISTRIBUTION T4 – OPTIONAL TYPE 3 DISTRIBUTION TRS 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](http://www.noribachi.com/products/warranty)

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**ELECTRICAL**

**Construction**

Die-cast aluminum housing, opalescent polycarbonate lens and an open front frame.

**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 100-722V (SGR1) and 480V (SGR2) Surge Protectors. 0-10V (010V) and Step (STEP) Dimming functionality.

**Mounting**

Surface mounting available for this fixture.

**Driver**

Available in A (350mA) drive current and 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/IEEE62.41. 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).

Electrical Load					
LIGHT ENGINE	DRIVE	DRIVE CURRENT (AMPS@120V)	DRIVE CURRENT (AMPS@277V)	DRIVE CURRENT (AMPS@480V)	SYSTEM POWER* (WATTS)
HEX-021	A	0.18	0.08	0.04	21.03
HEX-021	B	0.26	0.11	0.07	31.46
HEX-042	A	0.35	0.15	0.09	42.13
HEX-042	B	0.53	0.23	0.13	63.02

\*Ideal Wattage

Operating Characteristics (Typical @5700K CCT)				
LIGHT ENGINE	DRIVE	LUMENS (T5)	INPUT POWER (WATTS)	LUMENS PER WATT
HEX-021	A	3,129	21.03	148.81
HEX-021	B	4,431	31.46	140.87
HEX-042	A	6,258	42.13	148.55
HEX-042	B	8,862	63.02	140.62

**Manufacturing**

Manufactured in beautiful Harbor City, CA. ARRA Compliant. NAFTA Compliant. Test and burn-in of 100% of all luminaires 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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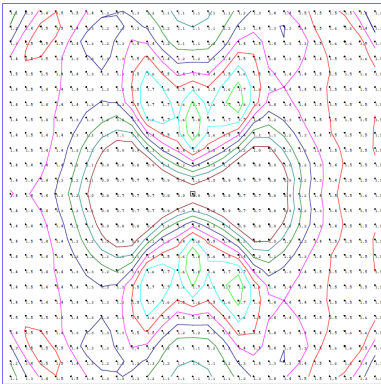
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**PERFORMANCE / DISTRIBUTION**

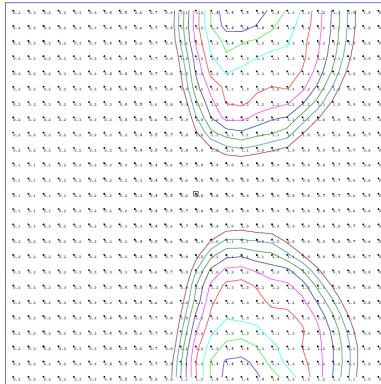
Power And Lumens By Light Engine							
DISTRIBUTION							
LIGHT ENGINE	DRIVE	CCT	T1 (LUMENS)	T2 (LUMENS)	T3 (LUMENS)	T4 (LUMENS)	T5 (LUMENS)
HEX-021	A	5700	3,075	2,436	2,430	2,816	3,129
HEX-021	B	5700	4,354	3,450	3,441	3,988	4,431
HEX-042	A	5700	6,149	4,872	4,860	5,632	6,258
HEX-042	B	5700	8,708	6,900	6,883	7,976	8,862

**Type Distribution  
HEX-042-B**

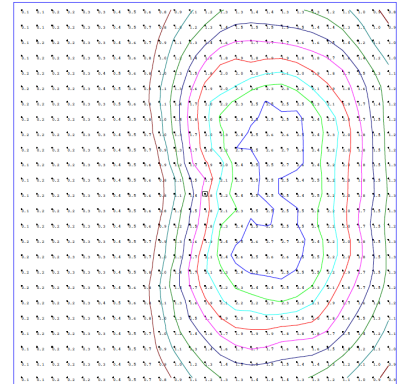
T-1



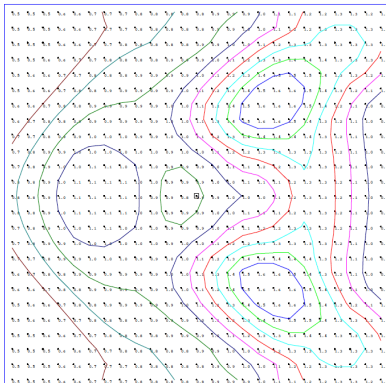
T-2



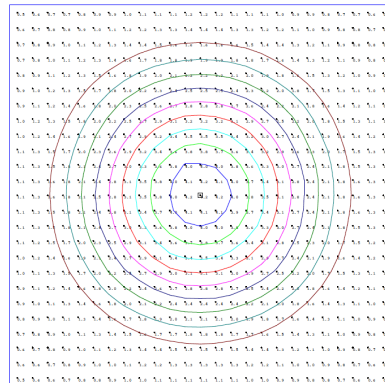
T-3



T-4



T-5



**Distribution**

- 120° Standard Beam Spread
- 80° Optional Beam Spread Available
- Other Light Engine Type Distribution available upon request.

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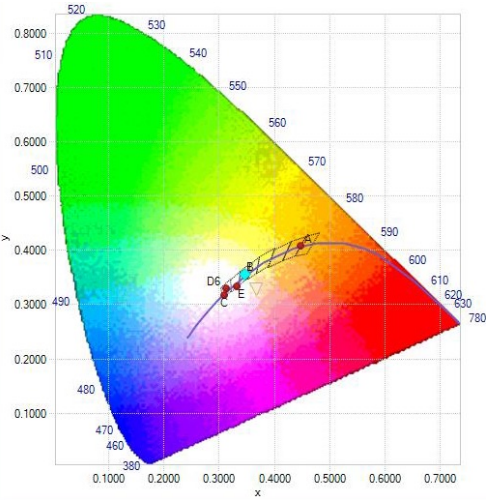
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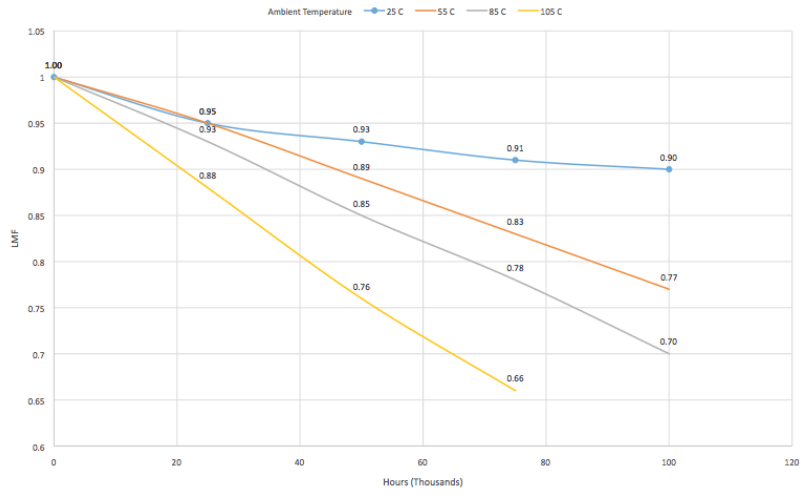
**PERFORMANCE / DISTRIBUTION**

**CIE LUV BINNING CURVE**

LIN-140 CIE 1932 - 2 Degree



**Lumen Depreciation Chart**



**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

**Luminaire EPA Chart**

	Single	0.5
	ND-180°	1.0
	ND-90°	0.8
	NT-90°	1.7
	NT-120°	1.7
	NQ-90°	1.9

Note: Mounting changes fixture EPA. Please contact Noribachi for additional information.

**Lumen Multiplier**

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
10°C	1.032
15°C	1.021
25°C	1.000
40°C	0.968
50°C	0.946

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**OPTIONAL UPGRADES**

DIMMING

**ORDER CODE: 010V**

**ORDER CODE: STEP**

Appearance And Specifications:

•010V = 1 – 10V Dimming Functionality

•STEP = Step Dimming Functionality

\*Compatibility not guaranteed for any particular dimmable light in any particular installation.



SURGE PROTECTOR

**ORDER CODE: SGR1**

**ORDER CODE: SGR2**

Appearance And Specifications:

•100V -120V Surge Protector

•480V Surge Protector



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