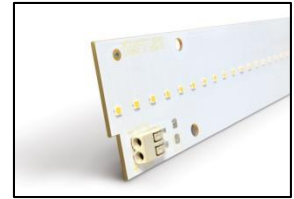




# M700C8xxD72N2A

## Description: ZH Constant Current Linear LED Module – Gen B

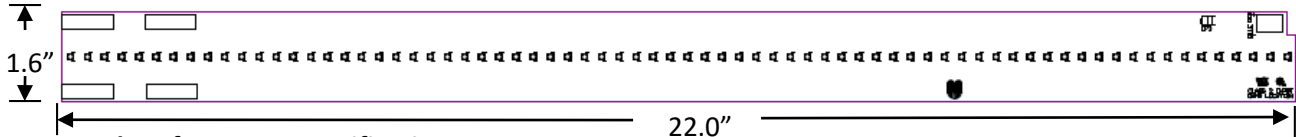


- For use in Class 2 lighting systems
- Zhaga-Hybrid Mounting Hole Pattern
- Suitable for DLC 4.0 Applications

Performance:						
Part Number	Nominal					CRI
	Current (A)	Initial Lumens <sup>(1)</sup>	V <sub>f</sub> <sup>(2)</sup> (Volts)	Power (W)	Lm/W	
M700C840D72N2A	0.900	4965	37.8	34.0	146	>82
	0.750	4240	36.9	27.7	153	
	0.700	3985	36.6	25.6	156	
	0.525	3070	35.5	18.6	165	
	0.350	2100	34.2	12.0	175	

(1) MID Flux Bin Values are shown for CCT of 4000K. Tolerance of ±10% at 45°C

(2) V<sub>f</sub> is at 45°C with max tolerance of +/- 5%.



### General Performance Specifications

- Lumen Maintenance : L85 50Khrs, t<sub>c</sub>=75°C
- Color Consistency: <3 SDCM

### Application:

- Min. Ambient Operating Temp.: -22°F, -30°C
- Max. Board Temp. (at t<sub>c</sub>): 185°F, 85°C
- Control Range: 100% to 1%
- Maximum Current rating of 0.900 Amps

### Regulatory

- Recognized - UL8750
- CAN/CSA-C22.2 No. 250.13-12
- RoHS Compliant

### Notes:

- Performance data taken T<sub>c</sub> = 45°C.
- V<sub>f</sub> max increases by 2% at 25°C initial turn on.
- V<sub>f</sub> max increases by 10% at -30° C initial turn on.
- Power consumption and photometric performance are typical values.
- Lumen maintenance value is based on LM80 testing and TM-21 calculation projections.

### Mechanical Dimensions

- Length: 22.00"
- Width 1.61"
- Height: 0.25"
- Weight: 0.16 lbs

### Part Number Options

Part Number	CCT	Lumen Multiplier
M700C830D72N2A	3000K	95.2%
M700C835D72N2A*	3500K	96.8%
M700C840D72N2A	4000K	100.0%
M700C850D72N2A	5000K	103.0%

\* Consult Factory for 3500K Upgrade Timing Status

Ordering Codes	Description	Qty/Ctn
M700C8xxD72N2A00C	Dry/Indoor Use Only	10
M700C8xxD72N2AC0C	With Conformal Coat	10



Assembled in North America

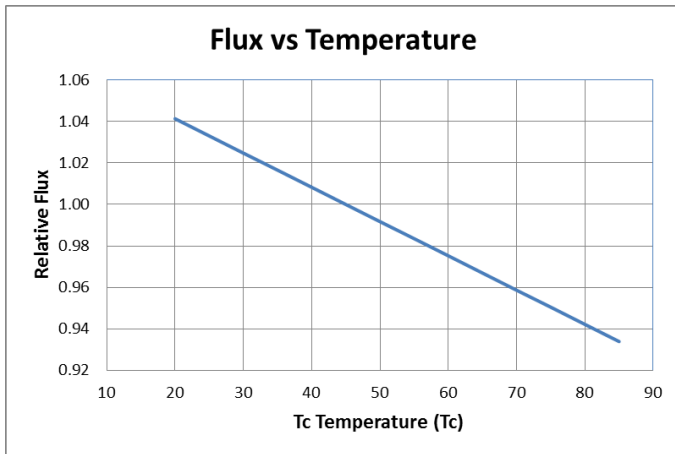
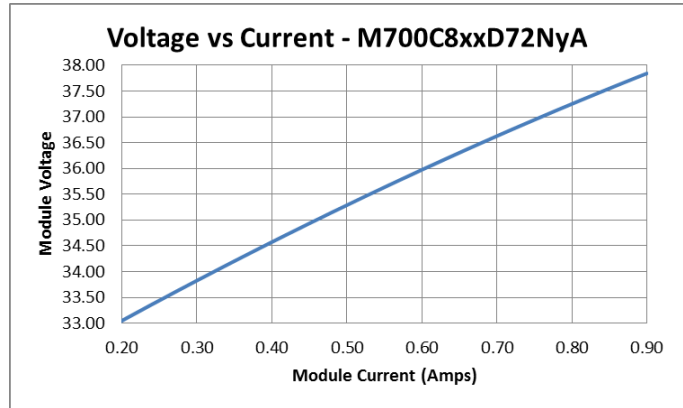
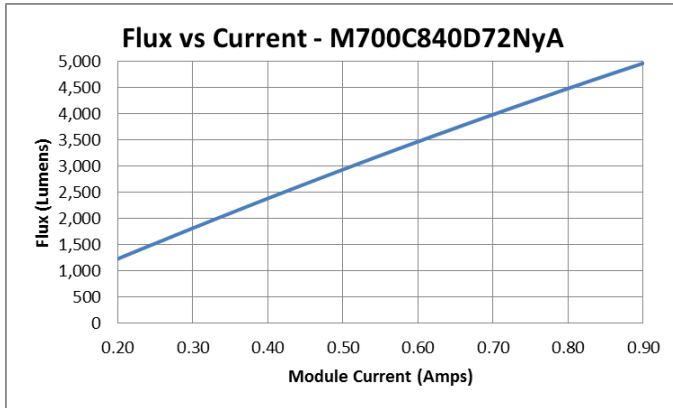


Application and operation performance specification information subject to change without notification.



# M700C8xxD72N2A

## Flux and Voltage vs. Current



Notes:  
Typical Values are shown for flux and voltage graphs with Tc=45°C.

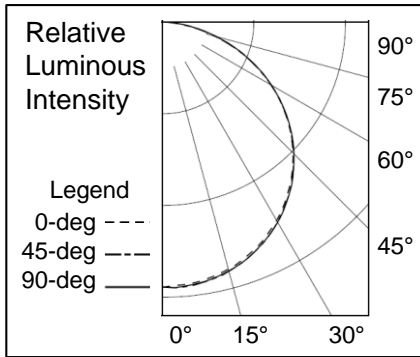


Application and operation performance specification information subject to change without notification.

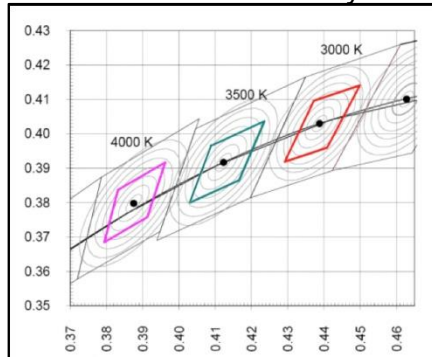


# M700C8xxD72N2A

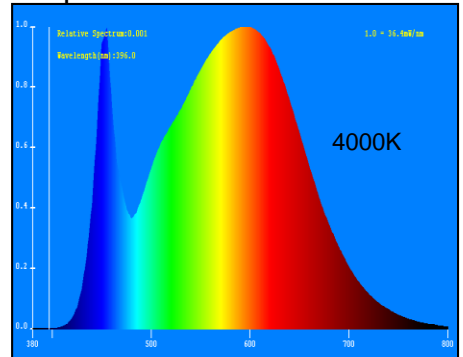
### Photometric Distribution



### Color Consistency



### Spectral Power Distribution



## Installation & Assembly Guidelines

### Mounting:

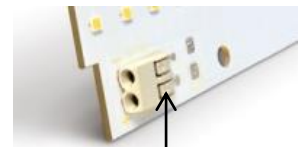
- This modules may be mounted using the mounting holes provided or with a thermal transfer adhesive.
- LEDs should not be touched/contacted during installation to avoid damage

### Wire Connector

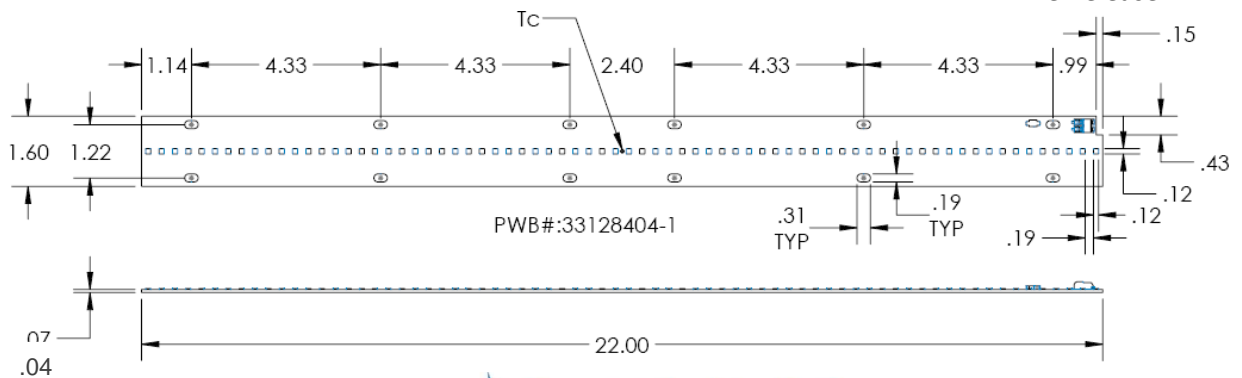
- Wire connectors will accept 18AWG solid or bonded stranded wire.
- The connector is located on the top side of the circuit board.
- To remove wire from connector, depress the indent on the top of the terminal with a pointed tool, and pull the wire.

### Electrostatic Sensitive Product

- Installation of Universal Everline LED Modules should be in a production environment that incorporate ESD protective measures.
- When servicing LED Luminaires, technicians should be grounded, and should avoid contact with the LEDs.



Wire Release



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## **Application Notes:**

1. The standard base model version of this module without Conformal Coating is designed for indoor fixtures in dry applications. Damage caused by corrosion due to moisture, condensation and other harmful elements, is not covered by the warranty.
2. Proper heat sinking is required to ensure that the module does not exceed its rated temperature. Damage caused by improper heat sinking is not covered by the warranty.

## **CONDITIONS OF ACCEPTABLE USAGE (CSA):**

1. These products are for use only in (or with) complete end product equipment where the acceptability of the combination is determined by CSA International or others having jurisdiction.
2. These products are certified as components for construction only. No testing was performed for this certification. Product / product installation into end product is subject to any additional applicable requirement(s) of all applicable end product standard(s). These requirements shall be verified during end product evaluation.
3. These Components shall be installed in the End Product in compliance with the enclosure, accessibility, wiring, segregation, mounting, and spacing requirements of the End Product Standard. Suitability shall be determined during the End Product Certification Evaluation.
4. When these Components are installed into an End Product that is suitable for use in damp or wet locations; all applicable requirements and tests (i.e. Rain Test, Humidity Test, etc) of the End Product Standard shall be conducted on the these Components after they have been installed as intended into the End Product. Suitability shall be determined during the End Product Certification Evaluation.



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