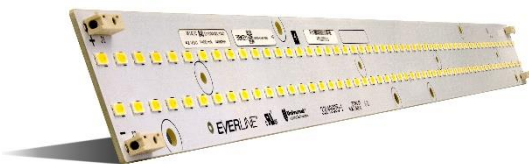




M18CC8xxD156N2S

Description: 10000 Lumen Linear LED Module

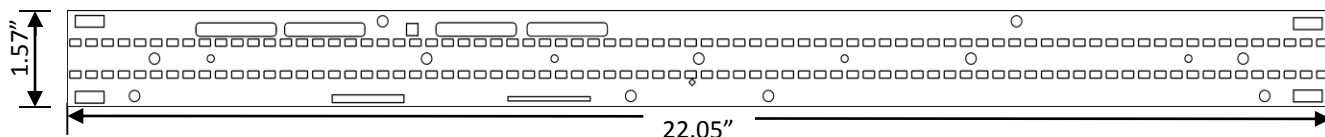
- For use in Class 2 lighting systems
- Dual row LED
- Suitable for DLC High Bay applications



Part Number	Nominal					CRI
	Current (A)	Initial Lumens ⁽¹⁾	V _f ⁽²⁾ (Volts)	Power (W)	Lm/W	
M18CC840D156N2S	1.800	10145	40.6	73.1	139	>82
	1.400	8142	39.3	55.0	148	
	1.150	6819	38.4	44.2	154	
	1.050	6274	38.1	40.0	157	
	0.700	4296	36.7	25.7	167	

(1) MID Flux Bin Values are shown for CCT of 4000K. Tolerance of ±10% at 65°C

(2) V_f is at T_c of 65°C with max tolerance of +/- 5%.



General Performance Specifications

- Lumen Maintenance : L85 50Khrs, t_c=75°C
- Color Consistency: <3 SDCM

Application:

- Min. Ambient Operating Temp.: -22°F, -30°C
- Max. Board Temp. (at t_c): 194°F, 90°C
- Control Range: 100% to 1%
- Maximum Current rating of 1.800 Amps

Regulatory

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

Notes:

- Performance data taken at T_c = 65°C.
- V_f increases by 2% at 25°C at initial turn on.
- V_f increases by 10% at -30°C at 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: 22.05"
- Width: 1.57"
- Height: 0.25"
- Weight: 0.16 lbs

Part Number Options

Part Number	CCT	Lumen Multiplier
M18CC830D156N2S	3000K	95.0%
M18CC835D156N2S	3500K	97.0%
M18CC840D156N2S	4000K	100.0%
M18CC850D156N2S	5000K	101.0%
M18CC865D156N2S	6500K	103.0%

M18CC8xxD156N2S50C	Dry/Indoor Use Only	50
M18CC8xxD156N2SC50C	Conformal Coat	50



Assembled in North America

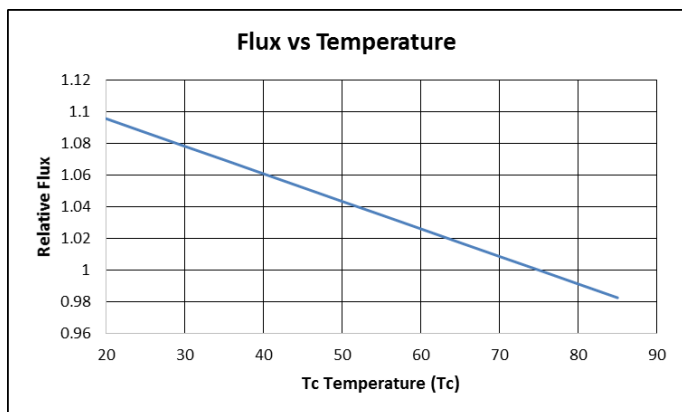
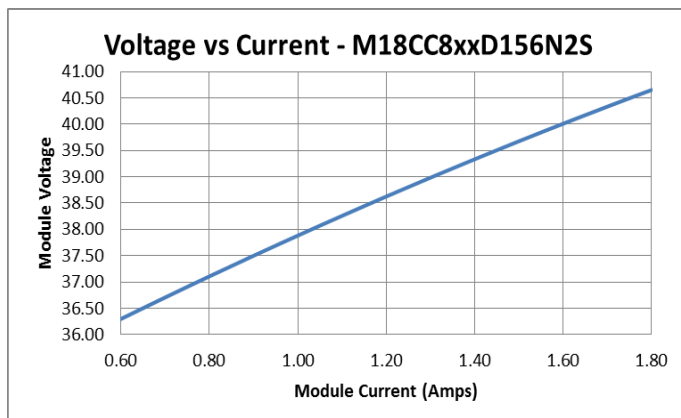
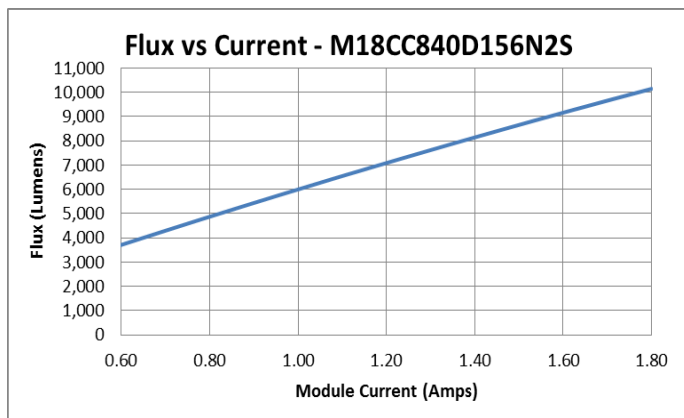


Application and operation performance specification information subject to change without notification.



M18CC8xxD156N2S

Flux and Voltage vs. Current



Notes:
Typical Values are shown for flux and voltage graphs with Tc=65°C.

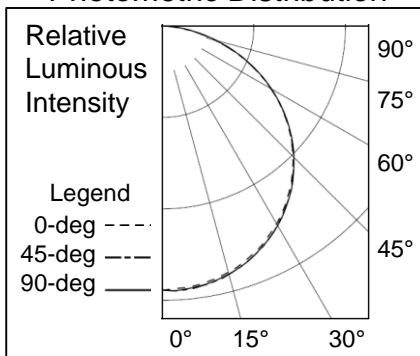


Application and operation performance specification information subject to change without notification.

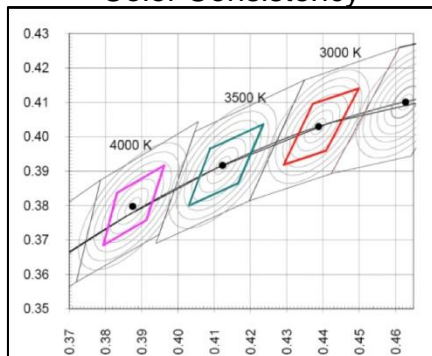


M18C8xxD156N2S

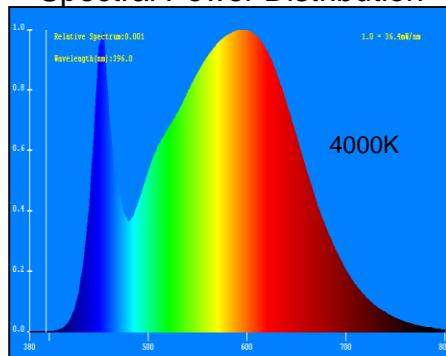
Photometric Distribution



Color Consistency



Spectral Power Distribution



Installation & Assembly Guidelines

Mounting:

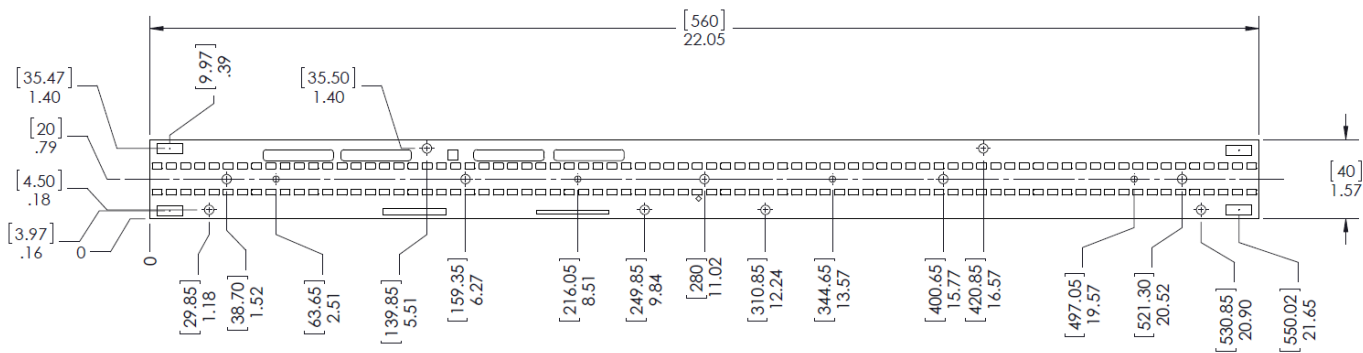
- This module should be mounted using the mounting holes provided.
- Nylon washers should be used on the top side to prevent the screw-head from making electrical contact with traces.
- Thermal interface material is recommended to transfer heat away from the module to the fixture.
- LEDs should not be 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.



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Application Notes:

1. The standard 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 environmental 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.
3. The color is measured at the LED binning condition. The LED module is designed to operate in accordance with ANSI C78 377. Color shift may occur in the system due to deviations in temperature and components that surround or cover the LED in the fixture.

CONDITIONS OF ACCEPTABLE USAGE :

This component has been judged on the basis of the required spacings in the Outline of Investigation for LED Light Sources for Use in Lighting Products, UL 8750.

1. The LED modules are intended for connection to a constant current Class 2 power supply. When the arrays are connected and/or used with power supplies other than class 2, the need for an additional evaluation shall be considered in the end use product investigation.
2. The LED modules shall be installed in compliance with the mounting, spacing, casualty, and the segregation requirements applicable to the ultimate application.
3. The LED modules were not subjected to the Normal Temperature Test. The Temperature Test shall be conducted in the end product with considerations for the following components, their ratings, and LED-to-LED spacing:
Printed Wiring Board – 105°C
Connectors – 60°C
4. The LED modules are intended for use in dry and damp locations. Use in other than dry and damp locations shall be evaluated to the end use application.
5. All models may be marked with any voltage and current rating that doesn't exceed the maximum ratings in the ELECTRICAL RATINGS table of this report. All models are to be used within their marked ratings.



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