SIGN TORNADO™

LED DC Module



SKU	Model #
156850	ZX03QB3

Introducing the SIGN TORNADO – the ultimate innovation in edge-lit signage solutions. Engineered specifically for low-profile sign cabinet lighting, display light boxes, the SIGN TORNADO delivers an intense, narrow beam angle that is perfect for illuminating tight, shallow, and hard-to-reach spaces. This high-performance module is ideal for edge lighting in both double-sided and single-sided signs, ensuring brilliant uniformity without hot spots. With a waterproof and dustproof design, it's built for reliability in a variety of environments. Its advanced lens technology projects a powerful, focused beam that travels farther and brighter, optimizing performance even in the narrowest applications.

Product Features

- Up to 115 lm/W
- 6.8 Watt
- CCT 6500K
- Applicable for both double-sided and single-sided sign cabinets
- Optimal for push-thru signs and blade signs
- Heat sink technology for effective heat management
- Powerful narrow beam that reaches far distances and covers extensive areas
- Installation is made easy with peelable double-sided tape andavailable mounting holes
- Supports up to 20 modules per Class 2 power supply

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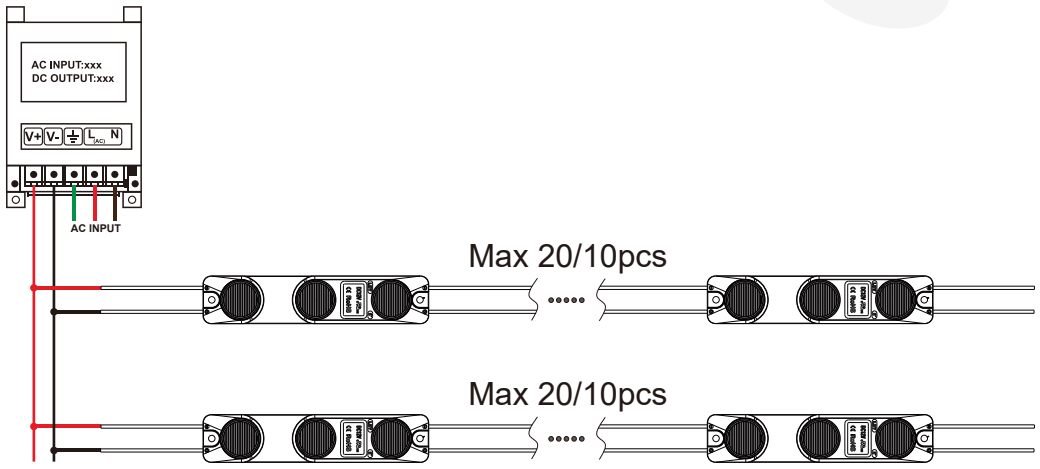
LED DC Module

SKU	WATT	MAX LUMENS	CCT	INPUT VOLTAGE	CRI	LIGHT SPREAD	CONSTRUCTION	IP RATING	CERTIFICATIONS
156850	6.8W	780	6500K	24VDC	>75	10x40°	PC	IP65	UL

Specifications

Parameter	Description	Value
General Performance	Model #	ZX03QB3
	Watt	6.8W
	Max Lumens	780
	Lumen Efficacy	Up to 120LM/W
	Color Temperature	6500K
	Input Voltage	24VAC
	CRI	≥75
	Light Spread	10x40°
	Operating Temperature	-25～+60
	Storage Temperature	25～+70
	IP Rating	IP65
	Warranty	5 Year Warranty

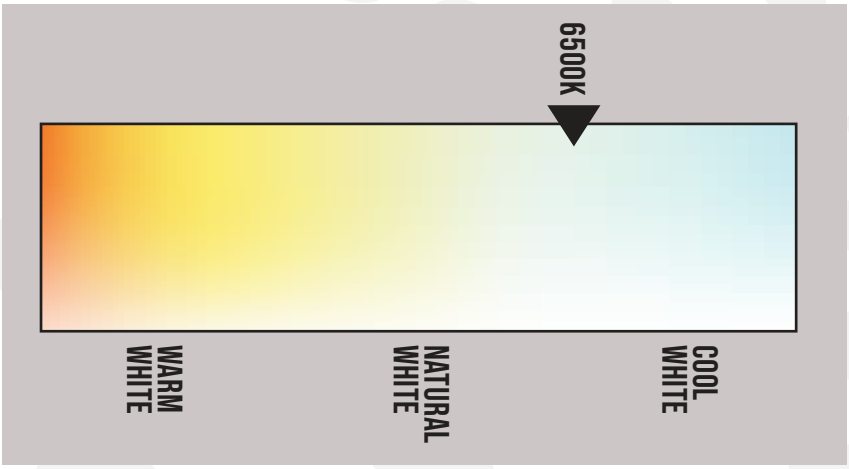
Connection Diagram



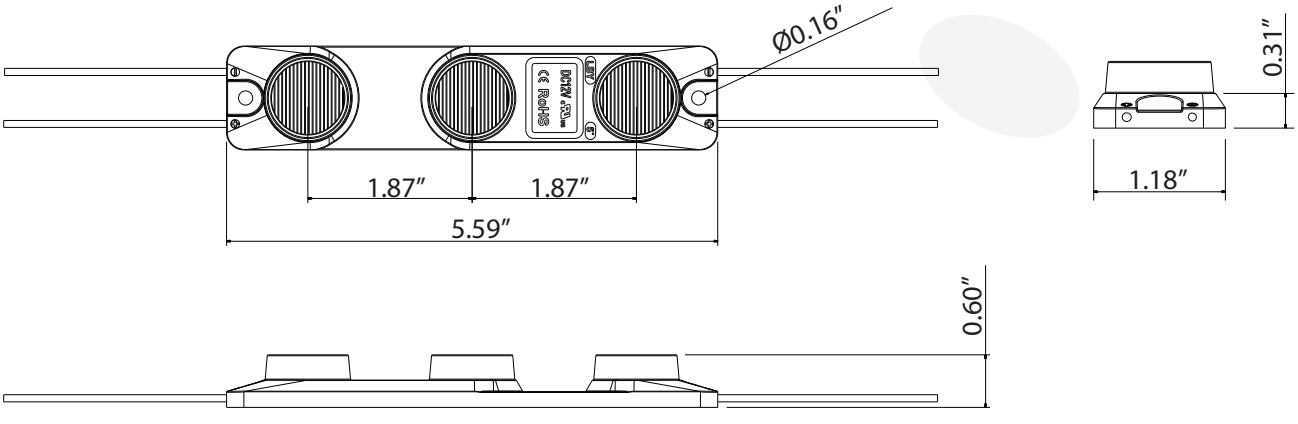
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Correlated Color Temperature (CCT)



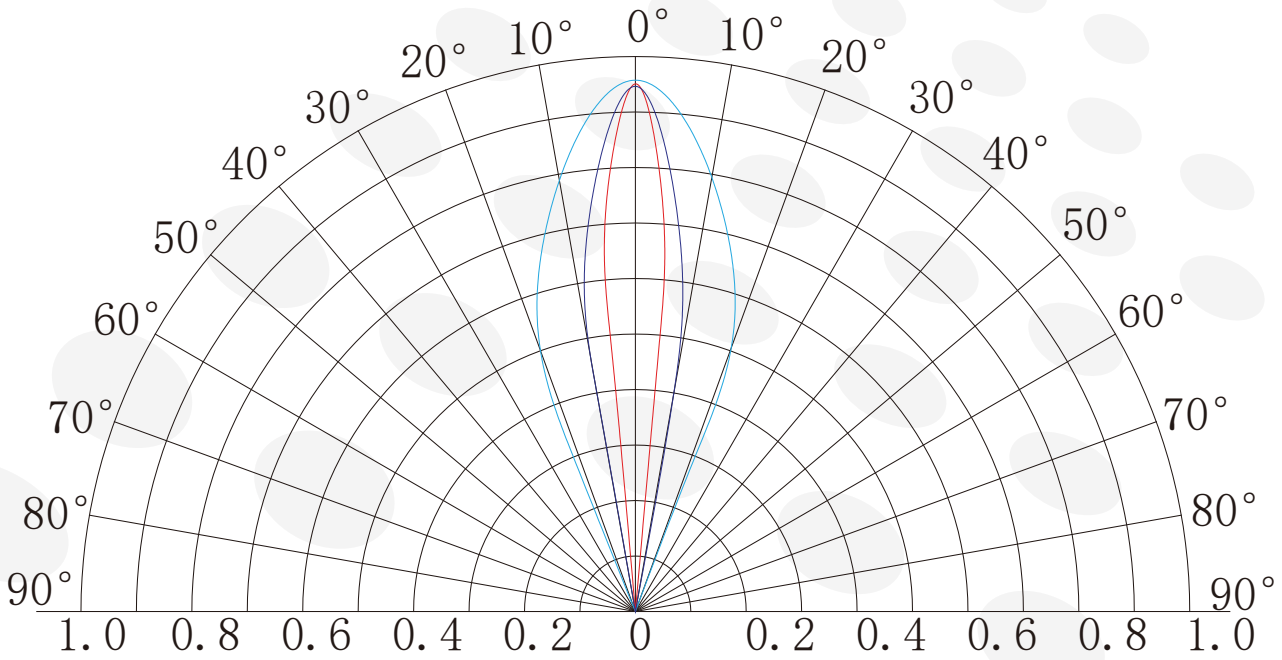
Dimension



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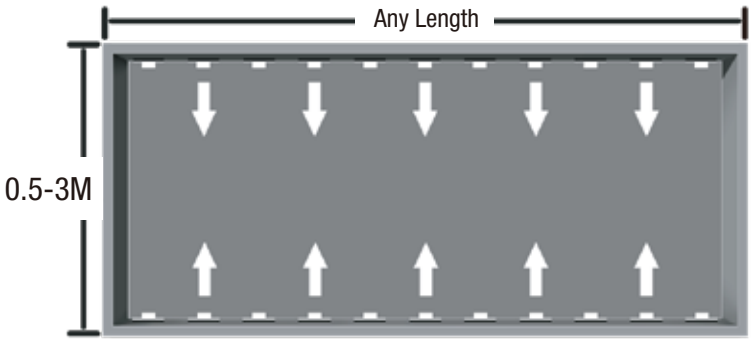
Beam Angle



Beaming Angle 10*40°

Remark

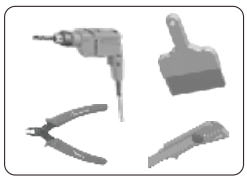
01. The transmittance of the advertising fabric was 32%.
02. The above data is for reference only.



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Self-Provided Tools & Material



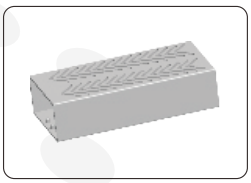
Dust brush, cutter, pencil, wire stripper, and drill



Wire Connector (Standard)



Screw

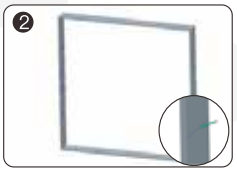


Power Supply

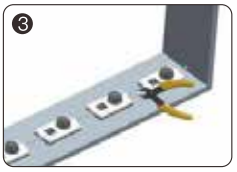
Installation



- Clean inside the light box.



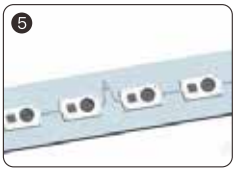
- Determine the appropriate layout.



- Remove the unneeded modules. Note: Cut in the middle position of the wires between modules.



- Strip the end wire for 10mm and cap with the wire connector. Waterproof and anti-corrosion must be done on the connectors.



- Connect the led modules with wire connectors. Avoid connecting more than 20pcs in series connection.



- Drill a hole for connecting power cable. Fixation and protection for the cable must be done on the hole.



- Drill a hole for connecting power cable. Fixation and protection for the cable must be done on the hole.

⚠ Note: Avoid breaking the light box in drilling the hole.



- Connect to power supply and make sure that the polarity for connection is correct

Due to continuous product improvement, information in this document is subject to change.

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Instructions

1. When installing the product, please switch off the power.
2. Please use constant voltage power supply and leave 20% or more balance of its total power.
3. Make isolation and corrosion prevention on all wiring points and wire ends.
4. The maximum connection quantity in a series is 20pcs for ZX01QB3 and 10pcs for ZX03QB3, please do not exceed this number.
5. The products can be installed by screws, rivets as well as silicon gel, while please do not use Acidic or alkaline adhesive.
6. For single side light box, in order to get better and even lighting effect, you can put the products more closer to unilluminated back
7. and attach white reflective poly sheet or sheet with similar function on the inner back.
8. Initial location with 3M tape, then secure with screws.

Declaration

1. Warranty: 5 years.
2. In order to ensure the safety, the broken wires need to be replaced by the manufacturer or the service agent, or by the staff with the
3. similar qualification.
4. The given data in the specification was based on the laboratory testing, there may be discrepancy found in the actual products.
5. The given drawings in the specification are only for reference, there may be discrepancy found in the actual products.
6. The products are subject to change without prior notification.

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Packaging

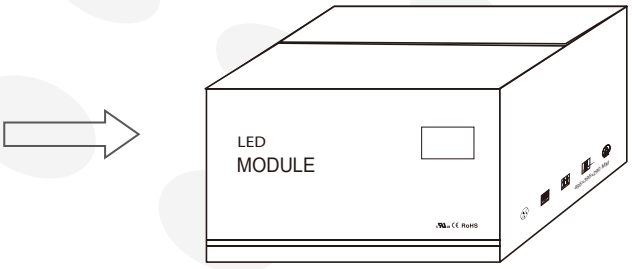
- Antistatic bag adopted
- Packing information

SKU	Box Dimension	Qty	Net Weight	Gross Weight
1560850	16.33" x 10.03" x 7.08"	100 Pcs/Box	14.44LBS	17.37LBS

Due to the packing manner difference, please adhere to the original products in case of discrepancy found between the picture and actual product.



20 pcs paper inner box



100 pcs in a carton

Application Image



Due to continuous product improvement, information in this document is subject to change.

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LED DC Module

Application Image



Warranty

This product is covered under a 5-year warranty. For complete warranty details,
Click Here.