

MATTONE™ DIRECT-WIRE LED STEP LIGHT FIXTURE

SPECIFICATION SHEET

- 100-277V AC direct-connect
- Optional new construction housing
- Indoor/outdoor fixture
- Three mounting faceplate options
- Three finish options
- 90 lumen output



Specified Item #	
Project	
Location	




SPECIFICATIONS

MATTONE Light Engine Specifications

MATTONE Light engine is included with each faceplate package.

Input Voltage	100-277VAC, 50/60Hz
Operating Voltage	24VDC
LED Chip Beam Angle	110°
Power Consumption	3W / .025A (120V), 0.11A (277V)
Color Temp (Kelvin)	3200K
Lumens ¹	90 (max). Varies per faceplate model.
Efficacy (lm/W)	30
CRI	70+
Total LED Chips	24x LEDs per light engine
Mounting	Mounts in MATTONE housing.
Dimmable	No
Ambient Temperature ²	-4° ~ 122°F (-20° ~ 50°C)
Operating Temperature ³	-4° ~ 176°F (-20° ~ 80°C)
Environment ⁴	Outdoor / wet location / IP65

	Photo of light engine only.
Connections	5 in. 18 AWG Hot (L) and Neutral (N) connections. Attach Ground (GND) to MATTONE Light Engine Housing Chassis.
Knockouts	(3x) 1/2 in. knockouts on Light Engine Housing. See housing for more details.
Dimensions	7 x 2.3 x 2.3 in. (W x H x D) (does not include light engine housing)
Warranty	5 years
Certifications	cULus Listed (USA & Canada) Surface Mount Luminaire, UL # E336778.

Note ¹ LED chips have a luminous flux range with a tolerance of +/- 5%. In other words, lumen output may vary +/- 5%.

Note ² Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.

Note ³ Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.

Note ⁴ Only IP65 rated for outdoor applications when installed with the MATTONE Light Engine Housing.

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MATONE FIXTURE PACKAGES

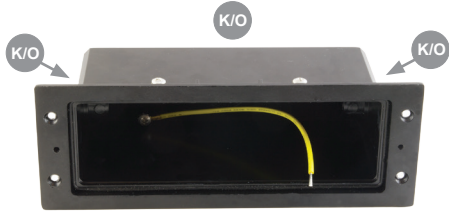
MATONE Faceplate Packages

Included items: MATONE light engine, faceplate mounting screws, and screw caps included with each faceplate.

Faceplate Model	Color	Item #	Lumens*	
Louvered Mounting Faceplate 8.75 x 3.30 x 0.36 in. (W x H x D)	Dark Bronze	DI-MATB-LVDB	80 (max)	 Shown in brushed nickel finish.
	Powder White	DI-MATB-LVWH		
	Brushed Nickel	DI-MATB-LVBN		
Lensed Mounting Faceplate 8.75 x 3.30 x 0.36 in. (W x H x D)	Dark Bronze	DI-MATB-LNDB	90 (max)	 Shown in dark bronze finish.
	Powder White	DI-MATB-LNWH		
	Brushed Nickel	DI-MATB-LNBN		
Shroud Mounting Faceplate 8.75 x 3.30 x 1.00 in. (W x H x D)	Dark Bronze	DI-MATB-SHDB	90 (max)	 Shown in powder white finish.
	Powder White	DI-MATB-SHWH		
	Brushed Nickel	DI-MATB-SHBN		

* Lumen output varies per faceplate model.

New Construction and Support Housing

Model	Color	Item #	
MATONE Light Engine Housing 8.5 x 3.15 x 3.15 in. (W x H x D) (3x) 1/2 in. knockouts.	Black	DI-MATB-HOUS	

SYSTEM DIAGRAMS & INSTALLATION

For system diagrams and installation see the 'MATONE LED Step Light Fixture Installation Guide.' For additional questions and concerns please contact technical support.

SS032114-1.1

SAFETY / WARNINGS / DISCLOSURES

- Install in accordance with the National Electric Code and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Ensure applicable wire is installed between fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- This fixture must be grounded to the light engine housing chassis.
- Only IP65 rated for outdoor applications when installed with the MATTONE Light Engine Housing.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- Lighting technology has some amount of gradual light degradation (output and/or color) over the lifespan of the products. Diode LED products are designed to minimize degradation, but some light degradation and color shift is a normal part of the life span of any LED lighting system.
- We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY

Limited Warranty

This LED fixture has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.DiodeLED.com under the 'Tools & Resources' tab. For warranty related questions, please contact customer service.

Consumer's Acknowledgment

Diode LED stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the right components is essential. Diode LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Diode LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Diode LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgement that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.