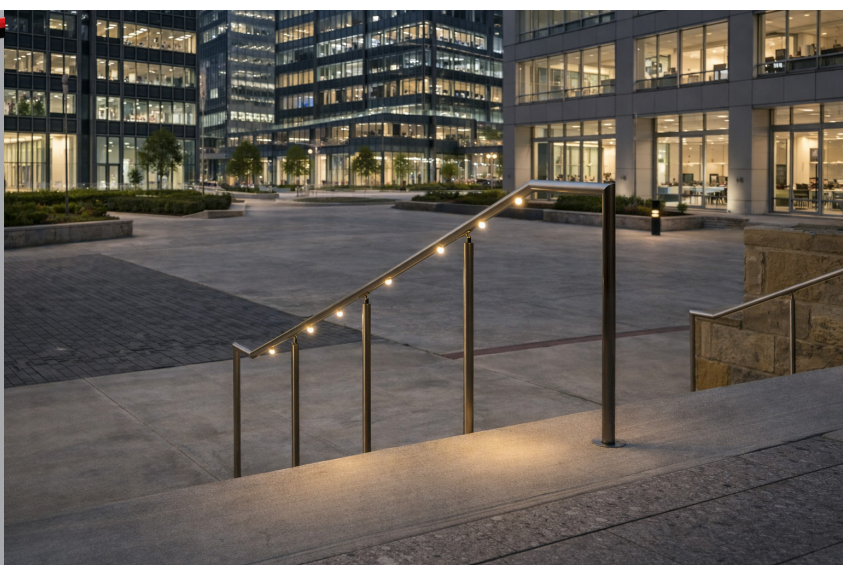
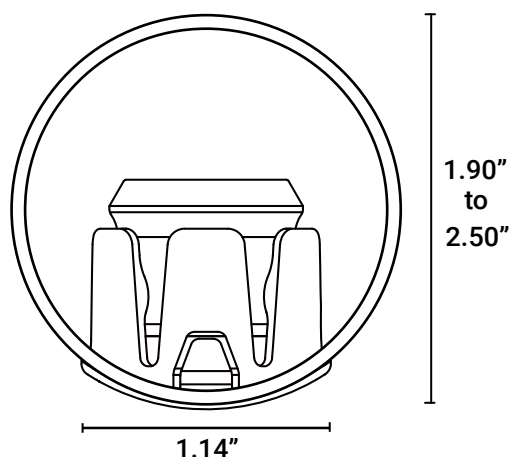
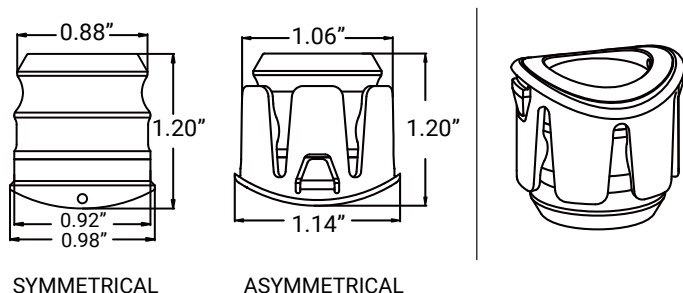




M25 DOT MODULES



Dimensions



FEATURES

The M25 Dot Modules cast a clean, downward beam across the tread below - defining steps without excess light spill. Machined from 316L stainless steel and sealed to IP67, they're made to last in the places they're most likely to be used — outdoors, in wet conditions, and under regular wear. Two beam distributions, an asymmetric and a narrow flood option, give you the flexibility to get the light exactly where you want it.

LUMENS	109L - 128L
CCT	27K/30K/35K/40K/RGB
DIMMING	Fixed Output
CRI	90+ CRI
VOLTAGE	24v DC - Constant Voltage
IP RATING	IP 67
BEAM PATTERNS	60° / Asymmetric 45°
WORKING TEMPERATURE	-4° F to 113° F
LIFETIME (TM-21)	L70 > 55,000 hours

OPTICS

The M25 Dot Modules use an acrylic optic to shape a clean, controlled downward beam across the tread below. Available in asymmetric and narrow flood distributions, the optics allow light to be placed precisely where needed while limiting glare and unnecessary spill. With 90 CRI standard, the modules deliver accurate color rendering across 2700K-4000K, Amber, and optional RGB with DMX512 control.

CONSTRUCTION

The M25 Dot Modules are machined from 316L stainless steel for long-term durability, corrosion resistance, and reliable outdoor performance. A double O-ring seal provides IP67 ingress protection against moisture and dust, while the polycarbonate retaining ring secures each module cleanly within the handrail. Built for wet locations and regular wear, the compact construction delivers a rugged, low-profile lighting solution for architectural handrail applications.

INSTALLATION

The M25 Dot Modules are designed to install effortlessly into standard round handrails using the included 27 mm hole saw and removal key. Each module fits into a 27mm mounting hole and is secured in place with a polycarbonate retaining ring. Wire-splice connections keep installation simple and clean, while a single 24V driver can power up to 50 modules for longer continuous runs. The system is compatible with Ø48-63mm or Ø38-45 mm handrails with wall thicknesses from 1.0-1.5 mm.



*Drilling Kit Sold Separately

DRIVERS

Power is provided by means of industry leading constant voltage LED drivers rated for universal power input from 120V to 277V at a frequency of 50-60Hz. Elite drivers produce less than 20% THD, and have a power factor of .90 to 1.00.

LISTINGS

UL Listed for Wet Location

cULus Listed for Wet Location

FCC 15 - EMI/RFI emission per FCC 47CFR part 15 at 120VAC or 277VAC

RoHS - Contains no mercury or lead and RoHS compliant

Photometric testing completed in accordance with IES LM-79 and TM-30 standards

Qualifies for California Title 24 high-efficacy LED compliance

WARRANTY

Five-year warranty for parts and components (labor not included).

Retaining Ring

HR48

For Handrail
Ø 48-63mm;
Thickness: 1.0-1.5mm



HR38

For Handrail
Ø 38-45mm;
Thickness: 1.0-1.5mm



MOD-M25-LED						
SERIES	OPTICS	POWER	CCT (90 CRI)	RETAINING RING	DRILLING KIT	DRIVER
M25-M25 Dot Round Profile	R60 - Symmetric 60° RA45 - Asymmetric 45°	1.5 - 1.5 Watt	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K RGB - RGB DMX512	HR48 - 48-63mm HR38 - 38-45mm	DK - Hole Saw + Accessories	30W - 30 Watt 60W - 60 Watt 96W - 96 Watt

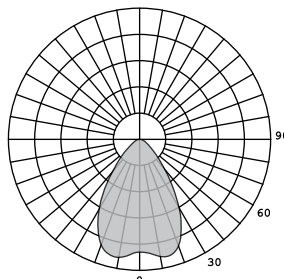
Photometric Data



MOD-M25-LED-R60

3	4	5	5	5	5	5	4	3	2
6	10	13	14	15	14	14	13	10	5
11	20	27	29	29	29	29	26	19	9
11	21	28	30	30	30	29	27	20	10
6	12	13	14	13	13	13	12	9	5
2	3	4	4	4	4	4	4	3	2

Rail Height: 36"
Module Spacing 1.0 ft.



M25 MODULES

4000K | 90 CRI | 24V

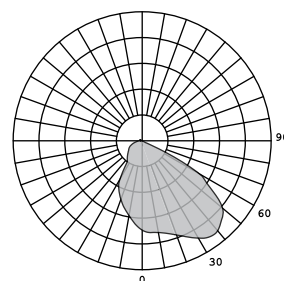
LED MODULE	BEAM ANGLE	LUMENS (lm)	POWER (W)
R60	60°	128	1.5



MOD-M25-LED-RA45

2	3	3	3	3	3	3	3	3	2
3	5	6	7	7	7	7	6	5	4
6	10	13	15	16	15	15	14	11	7
8	13	17	20	21	21	21	19	15	10
8	12	15	18	19	19	18	16	13	9
6	9	11	13	14	14	14	12	10	7

Rail Height: 36"
Module Spacing 1.0 ft.



M25 MODULES

4000K | 90 CRI | 24V

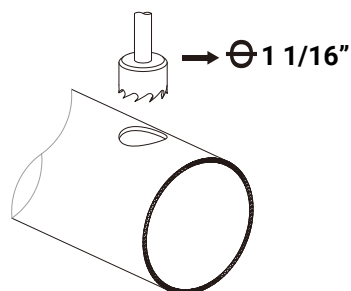
LED MODULE	BEAM ANGLE	LUMENS (lm)	POWER (W)
RA45	45°	109	1.5

LED Module Installation & Removal:

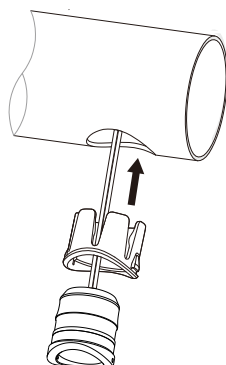


1 1/16" HOLE SAW

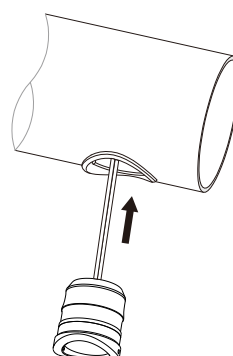
Hole saw suitable for handrail wall thicknesses less than 1/8".
Recommended operating speed: 200-450 RPM.
Do not use more than 20 times.



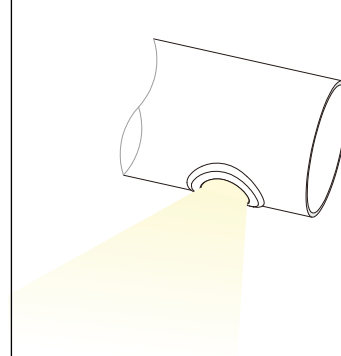
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2

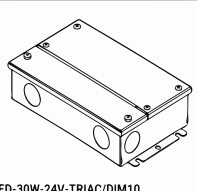
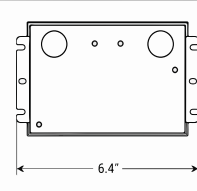
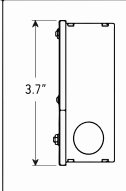
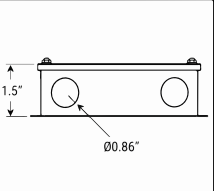
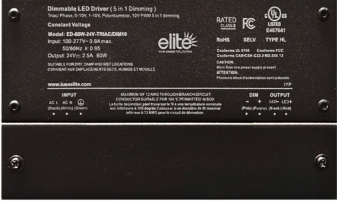
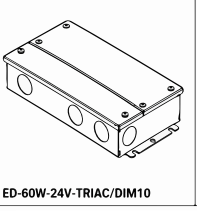
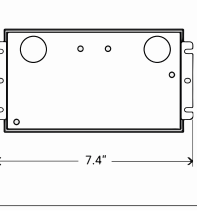
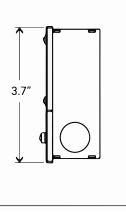
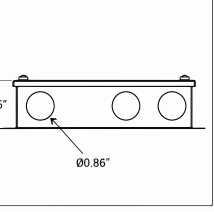
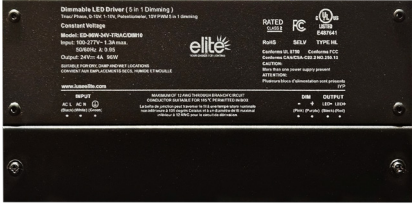
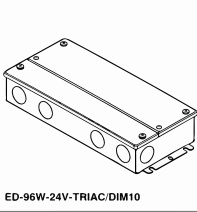
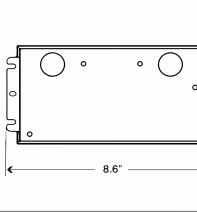
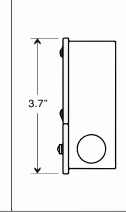
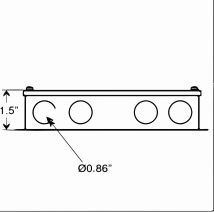


3



4

Remote Driver Specifications

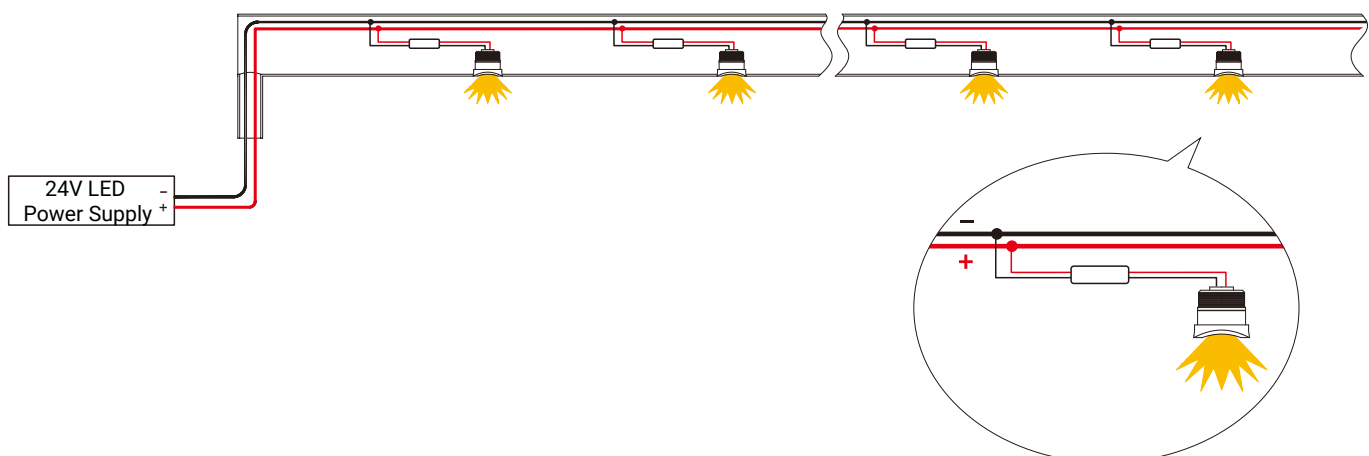
30W Max: 18 Modules	ED-30W-24V-TRIAC/DIM10     
60W Max: 36 Modules	ED-60W-24V-TRIAC/DIM10     
96W Max: 54 Modules	ED-96W-24V-TRIAC/DIM10     

*Max Modules based on 1' spacing with 18AWG wiring

Model	Input Voltage	Output Voltage	Wattage	Max. Output Current	Frequency	Location	Certificate
ED-30W-24V-TRIAC/DIM10	100-277VAC	24V	30W	1.25A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS
ED-60W-24V-TRIAC/DIM10	100-277VAC	24V	60W	2.50A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS
ED-96W-24V-TRIAC/DIM10	100-277VAC	24V	90W	4A	50/60Hz	Dry, Damp, and Wet locations	UL, cUL, FCC, Class 2, RoHS

LED Module Wiring

Suitable for class 2 power, maximum load not to exceed 100W



RGB / AC to DC (DMX WiFi)

This solution enables the RGBW strip light to function with a DMX512 Dimmable LED Driver AC to DC-DMX WiFi system. It includes the following components:

LB-2108-24-96CVF-UL Driver – Powers the RGBW strip light and integrates the DMX decoder, converting the DMX signal to control signals that adjust the color and brightness of the strip light.

Converter – Wired to the LB-2108-24-96CVF-UL Driver, it processes the DMX control signals, ensuring the RGBW strip light operates properly, allowing for smooth adjustments to color and brightness.

DMX-WIFI Wall Controller – Sends the DMX WiFi signal wirelessly to the converter and the LB-2108-24-96CVF-UL Driver, enabling remote control of the RGBW strip light.

LED25W-24 Power Supply – Used in multiple locations: one powers the wall controller by converting 120V AC from the outlet to 24V DC, while another powers the converter, ensuring all components receive the proper voltage.

This configuration ensures seamless, remote control of the RGBW strip light through the DMX512 Dimmable LED Driver AC to DC-DMX WiFi system, providing precise control over the color and brightness of the strip light, while maintaining proper power conversion and signal processing throughout the system.

