

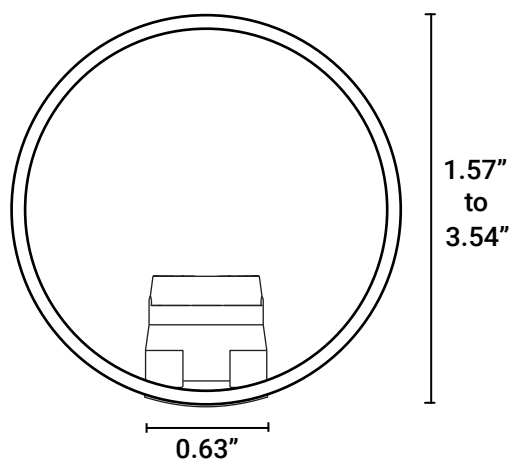
R65

RE65

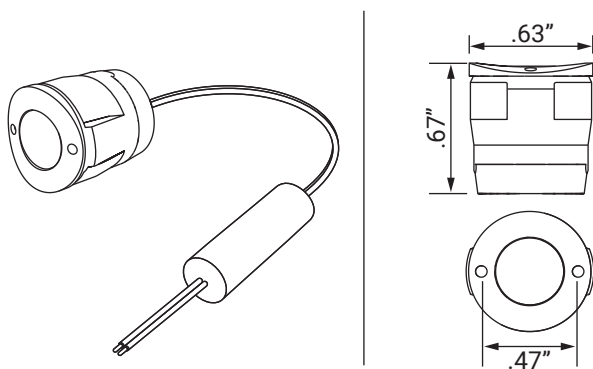
RA30



M16 DOT MODULES



Dimensions



FEATURES

M16 Dot Modules illuminate each step with focused, downward light, reducing the risk of missed steps and giving users clear visual cues at every level. Engineered for visual comfort, Dot Modules deliver subtle illumination that stays out of the line of sight. The downward focused beam minimizes glare and uplighting, reducing sky glow while keeping pathways clearly lit. This compact design integrates seamlessly into any environment, from modern corporate campuses to historic buildings, without compromising aesthetics or sight lines.

LUMENS	73L - 122L
CCT	27K/30K/35K/40K/50K/60K/590nm
DIMMING	Fixed Output
CRI	90+ CRI
VOLTAGE	24v DC - Constant Voltage
IP RATING	IP 67
BEAM PATTERNS	25°/35°/45°/65°/Asymm. 30°
WORKING TEMPERATURE	-4° F to 113° F
LIFETIME (TM-21)	L70 > 55,000 hours



OPTICS

The IP67 rated M16 modules provide directed illumination utilizing precision acrylic optics to shape light into six distinct beam distributions; a 25°, 35°, 45° or 65° Symmetric, a 30° Asymmetric or 65° Elliptical. Dot modules are available in 1 watt or 1.5 watt power options and may be spaced 12" - 60" apart depending on the desired level of illumination.

CONSTRUCTION

The M16 LED module is constructed from 316L stainless steel for corrosion resistance and long-term durability in outdoor environments. Each module features a secure 1/4-turn connection that fastens directly to the handrail using the included installation tool, creating a clean and reliable fit. The internal components are potted with epoxy encapsulant to protect against moisture, dirt, and environmental exposure. With an IP67 ingress protection rating, the module is built for long service life in wet location and exterior applications.

INSTALLATION

Designed for quick installation, M16 Dot Modules install into existing round handrails in minutes using the optional drilling kit and simple wire splice connections. The system works with round stainless steel or aluminum handrails with diameters from 1.57" to 3.54" and is designed for wall thicknesses from 0.06" to 0.10".



*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).

REMOTE DRIVER WIRING DISTANCE

TOTAL FIXTURE WATTAGE	MAX. CABLE LENGTH FROM DRIVER TO FIXTURE				
	18G	16G	14G	12G	10G
10W	134'	215'	345'	539'	784'
20W	68'	109'	174'	272'	397'
30W	45'	72'	115'	181'	263'
40W	33'	54'	86'	135'	197'
50W	27'	43'	69'	108'	158'
60W	22'	36'	57'	90'	131'
70W	19'	31'	49'	77'	112'
80W	17'	27'	43'	68'	98'
90W	15'	24'	39'	62'	95'
100W	14'	22'	36'	56'	82'

MOD-M16-LED

SERIES

M16-M16 Dot
Round Profile

OPTICS

R25 - Symmetric 25°
R35 - Symmetric 35°
R45 - Symmetric 45°
R65 - Symmetric 65°
RE65 - Elliptical 65°
RA30 - Asymmetric 30°

POWER

1.5 - 1.5 Watt
1 - 1 Watt

CCT (90 CRI)

27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K
50K - 5000K
60K - 6000K
A590 - Amber
590nm

DIMMING

DIM10-0-10V Dimming
F0-Fixed Output

DRILLING KIT

DK-Hole Saw +
Accessories

DRIVER

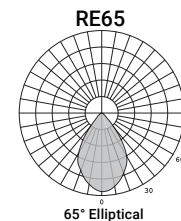
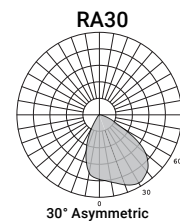
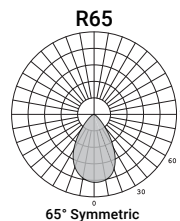
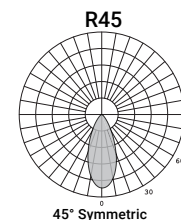
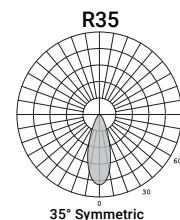
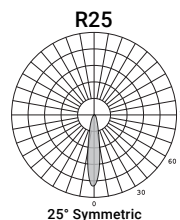
30W-30 Watt
60W-60 Watt
96W-96 Watt

Photometric Data



4000K | 90 CRI | 24V

LED Module	Beam Angle	Lumens @1.5W	Lumens @1W
R25	25°	101	73
R35	35°	119	82
R45	45°	122	87
R65	65°	121	86
RE65	65°	116	84
RA30	30°	115	82



MOD-M16-LED-R25

2	3	3	4	4	4	4	3	3	2
3	6	8	9	9	9	9	8	7	4
6	21	27	28	29	29	28	28	24	8
5	17	22	23	24	24	23	23	19	7
3	5	6	7	7	7	7	6	5	3
2	2	3	3	3	3	3	3	2	2

Rail Height: 36"
Module Spacing 1.0 ft.

MOD-M16-LED-R35

2	3	3	4	4	4	3	3	2	2
5	9	10	10	11	10	10	10	7	3
13	29	34	35	34	34	34	32	22	6
11	25	29	30	30	30	29	28	19	6
6	7	8	8	8	8	7	5	3	1
2	2	3	3	3	3	3	3	2	2

Rail Height: 36"
Module Spacing 1.0 ft.

MOD-M16-LED-R45

2	3	3	4	4	4	4	3	3	2
4	8	10	11	11	11	11	10	9	4
10	24	31	33	33	33	33	31	24	10
10	23	30	31	32	32	31	30	23	10
4	8	10	10	10	10	10	10	8	4
2	3	3	3	4	4	3	3	3	2

Rail Height: 36"
Module Spacing 1.0 ft.

MOD-M16-LED-R65

2	3	4	4	4	4	4	3	3	2
6	10	12	13	13	13	13	12	9	4
12	23	29	31	31	31	31	27	19	8
11	22	28	29	29	29	28	26	19	8
6	10	12	12	13	12	12	11	8	4
2	3	4	4	4	4	4	3	2	2

Rail Height: 36"
Module Spacing 1.0 ft.

MOD-M16-LED-RA30

1	2	1	2	2	2	1	1	1	1
4	6	7	8	8	8	7	6	4	2
9	14	17	18	18	18	17	14	10	6
10	15	20	22	22	22	20	17	13	8
10	15	18	20	20	20	18	16	12	7
7	10	11	12	12	12	11	10	7	4

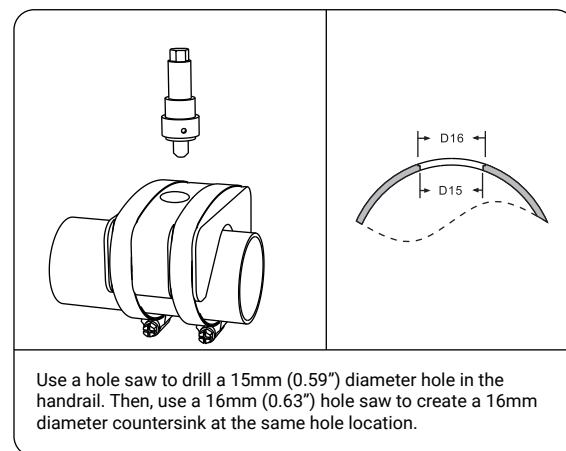
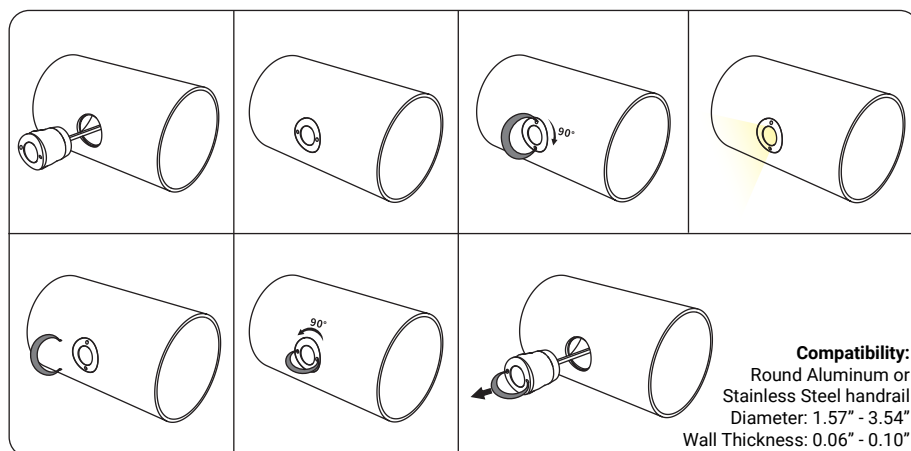
Rail Height: 36"
Module Spacing 1.0 ft.

MOD-M16-LED-RE65

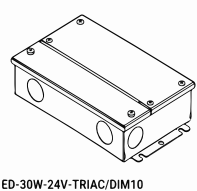
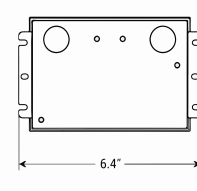
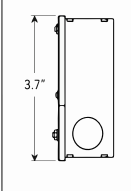
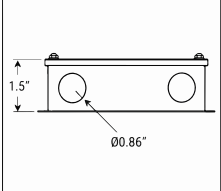
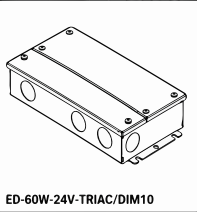
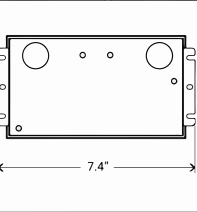
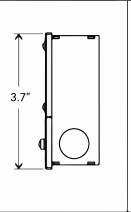
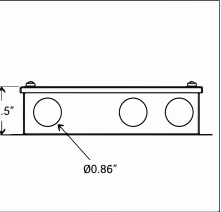
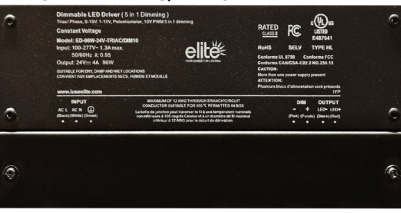
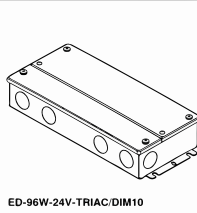
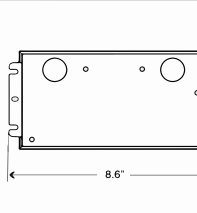
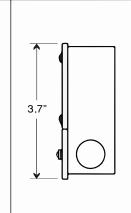
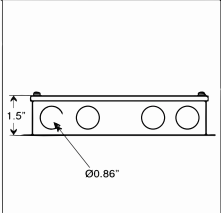
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5	9	11	13	14	14	14	13	10	7
10	16	22	25	26	27	26	23	18	11
10	16	21	24	26	26	25	22	17	10
6	9	11	13	14	14	14	12	10	7
2	3	4	4	4	4	4	4	3	3

Rail Height: 36"
Module Spacing 1.0 ft.

LED Module Installation & Removal:



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

