

## Makes Cove Lighting Easy and Illuminating

Magnilumen Plus™ Cove Lighting is a form of indirect lighting typically built into ledges like crown molding, valences and cornices for windows, or any upper-wall recesses of a room. Light is directed up towards the ceiling and can be used as primary or ambient light. It is also commonly used as decorative lighting to accent a room or highlight particularly embellished ceilings.

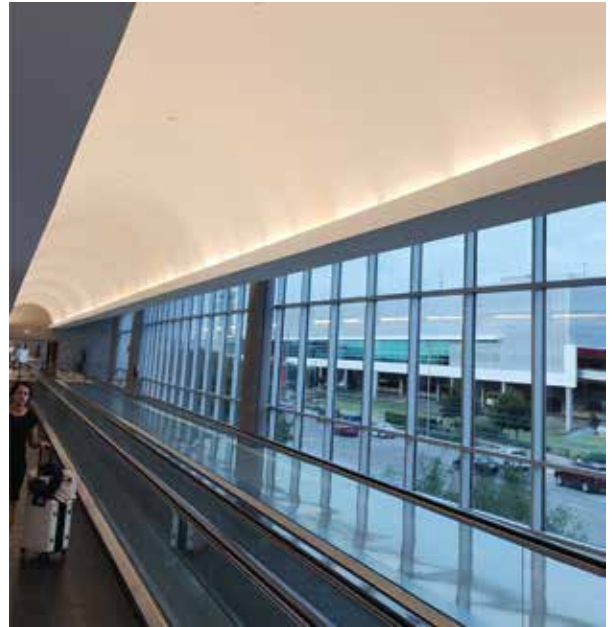
Installing cove lighting is stress-free and easy when using Magnilumen Plus™ Retrofit Kits. The bars give a seamless interlocking connection with no hot or dark spots. LED bars run in a series for each installation up to 32' from one driver.

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### PRODUCT FEATURES:

- **Max Wattages:** 4ft- 30W; 3ft- 22W; 2ft- 15W; 1ft- 8W; 9in- 6W
- **Color Temperatures:** CSK: 30K, 35K, 40K
- **Voltage Input:** 120/277V
- **Lengths:** 4ft- 47.75"; 3ft- 35.75"; 2ft- 23.75"; 1ft- 11 7/8"; 9in- 8 7/8"
- **Lumens:** 150 lm/W with lens  
180 lm/W without lens
- **CRI:** >83. Higher CRI available
- **Warranty:** 5 year

Any combinations of bar lengths can be used in each run. Balancing the wattage and lumens per foot with our adjustable drivers is easy.



Fluorescent Bulbs create gaps in lighting



Magnilumen Plus™ Cove Lighting creates a continuous flow of lighting with no gaps!



Interlocking ends make for an easy and straight fit.  
(Locking bars is optional)

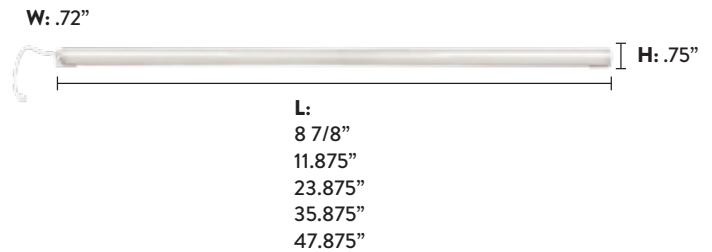


Through power allows for up to 32 feet (ex. 8 4ft. bars)  
of direct power with one driver. Based on selected  
wattage per foot.



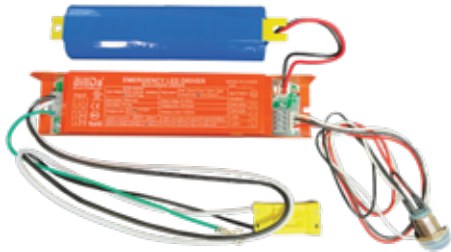
CSK switch on the harness allows for easy color  
temperature selection.

## DIMENSIONS



## OPTIONS

### EMERGENCY BACK-UP LED DRIVER



**PART NUMBER:**  
BL-EMRG-LED-15-1H  
BL-EMRG-LED-20-1H

Plug and Play To Magnilumen Plus™ Retrofit Kit 90 Minutes Minimum  
Run time in Emergency Mode 2200L in Emergency Mode.

### SENSORS/REMOTES

#### PIR Sensor



**PART NUMBER:**  
ZL-MS-SENSOR-ANT-4A

**OPTIONAL PART  
BUILDER NUMBER: MS**

Power Supply: 12-24VDC, >50mA  
Dim Control Output: -10V, max. 25mA  
sinking current  
Mounting Height: 15ft (4.5m) max.  
Detection Angle: 120°  
Operating Temp: -20°C-70°C  
IP Rating: IP20

#### Optional Remote: (Sold Separately)



**PART NUMBER:**  
ZL-REMOTE-RC-105

#### Power Supply (Only required when using Non-AO Drivers)



**PART NUMBER:**  
MUSP-12V-03-SW



# MAGNETS

**KITS INCLUDE TWO  
45 DEGREE MAGNETS PER BAR**

45 Degree Angle Magnet

**PART NUMBER:  
MAG-NO-HOOK-45DEG**



**OPTIONAL MOUNTING MAGNETS AND HARDWARE**

Magnet with Hook

**PART NUMBER:  
MAG-HOOK**



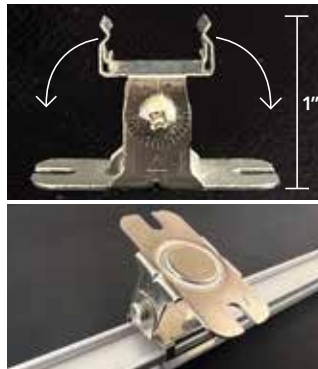
Clip with No Magnet, No Hook

**PART NUMBER:  
NO-MAG-NO-HOOK**



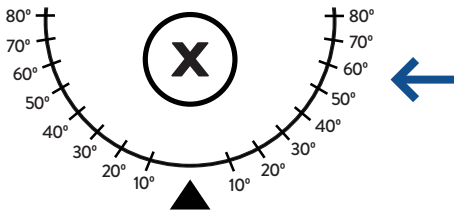
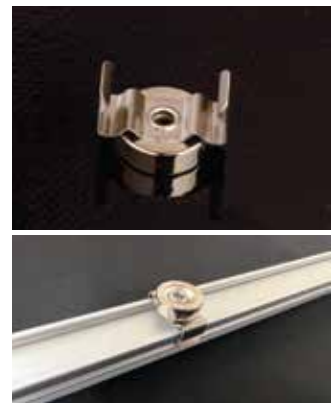
Magnet with Hook  
(adjustable 0-180 degrees)

**PART NUMBER:  
MAG-HOOK-ADJUSTABLE**

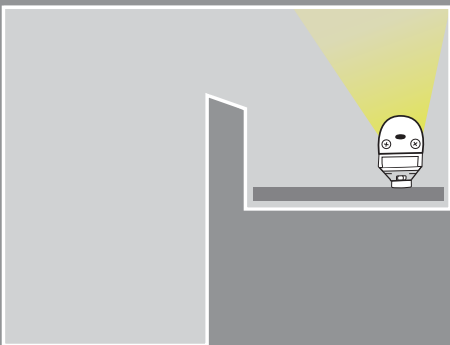


No Hook Magnet

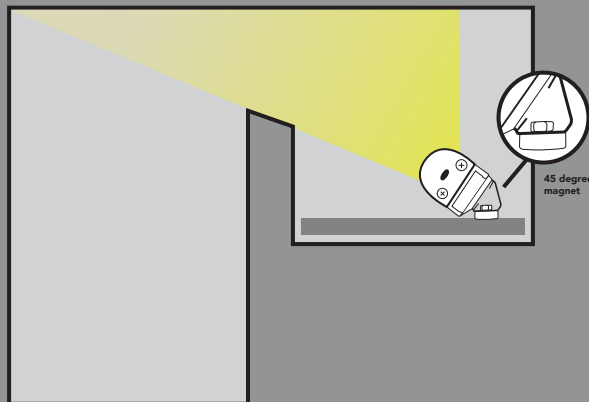
**PART NUMBER:  
MAG-NO-HOOK**



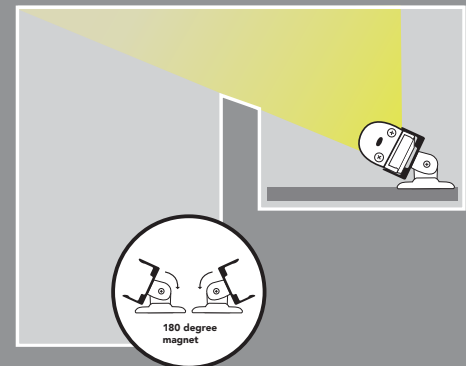
**STANDARD MAGNET**  
(Optional)



**45° MAGNET**  
(Magnets are included standard per bar)



**180° MAGNET**  
(Optional)



# DRIVER SPECIFICATIONS



## FEATURES

- **Input Voltage:** 120/277V
- **Power Factor:** ≥0.9
- **Efficiency:** ≥88%
- **THD:** ≤10%
- **Output Voltage:** 27-42VDC
- **Dimming:** 0-10V
- **Flicker Index:** 0.001
- 7 Selectable Accurate Wattages By DIP Switch
- Adjustable Current By Potentiometer
- Warranty: 5 year
- Magnetic Backed For Easy Installation
- UL Class P Listed

MODEL NUMBER	DEFAULT WATTAGE
MRK-DRIVER-20W-2H-PLUS	20W
MRK-DRIVER-30W-2H-PLUS	30W
MRK-DRIVER-40W-2H-PLUS	40W
MRK-DRIVER-50W-2H-PLUS	50W
MRK-DRIVER-60W-2H-PLUS	60W
MRK-DRIVER-100W-4WH-PLUS	100W

# OPTIONAL TRIAC DRIVERS

## DIMMABLE LED TRIAC DRIVER WITH 5 IN 1 DIMMING (WATTAGE SELECTABLE)

20W, 40W, 60W with DIP Switch (Triac, Forward Phase, MLV, ELV)

### 20W CONSTANT CURRENT DRIVER WITH DIP SWITCH

**Input Voltage:**  
120/277V

**Dimension:**  
6.28" x 1.69" x .78"



### 40W CONSTANT CURRENT DRIVER WITH DIP SWITCH

**Input Voltage:**  
120/277V

**Dimension:**  
6.75" x 2.12" x .78"



### 60W CONSTANT CURRENT DRIVER WITH DIP SWITCH

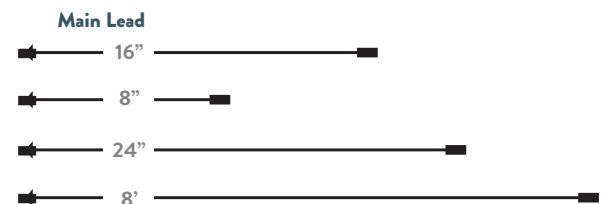
**Input Voltage:**  
120/277V

**Dimension:**  
7.58" x 2.44" x .94"



# COVE LIGHTING HARNESS OPTIONS

PART NUMBER	DESCRIPTION
HARNESS-CSK-COVE-1-WAY-16"	3 WIRE CSK 1 WAY HARNESS
HARNESS-CSK-COVE-1-WAY-8"	8 INCH CSK COVE HARNESS
HARNESS-CSK-COVE-1-WAY-24"	24 INCH CSK COVE HARNESS
HARNESS-CSK-COVE-1-WAY-8FT	8 FEET CSK COVE HARNESS

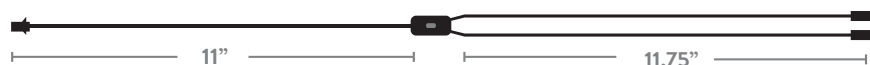


## CSK – PLUG & PLAY COVE SWITCH

Color Selectable Switch with Magnetic Back



**PART NUMBER:** MRK-CSK-SWITCH-PLUS-COVE  
Magnilumen Plus, CSK Switch, Cove 30/35/40K

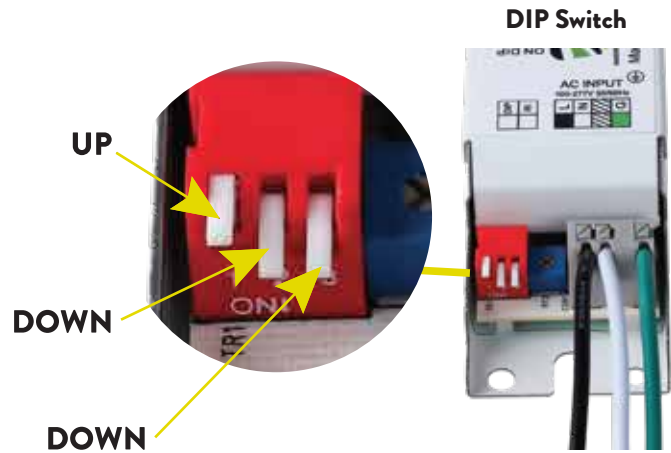


# DRIVER SPECIFICATIONS



**100W DRIVER ENCLOSURE (with two knockouts)**  
 PN: MRK-100W-DRIVER-ENCLOSURE  
 DIMENSIONS: 16" (L) x 1.75" (W) x 1.3125" (D)

**20-60W DRIVER ENCLOSURE (with two knockouts)**  
 PN: MRK-20/60W-DRIVER-ENCLOSURE  
 DIMENSIONS: 12" (L) x 1.75" (W) x 1.3125" (D)



# DIP SWITCH SETTING CHART

MRK-DRIVER-20W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
8W	190MA	27-42V	UP	UP	UP
10W	240MA	27-42V	DOWN	UP	UP
14W	320MA	27-42V	UP	DOWN	UP
16W	370MA	27-42V	UP	UP	DOWN
18W	410MA	27-42V	DOWN	UP	DOWN
20W	470MA	27-42V	UP	DOWN	DOWN
22W	510MA	27-42V	DOWN	DOWN	DOWN

MRK-DRIVER-30W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
10W	230MA	27-42V	UP	UP	UP
16W	360MA	27-42V	DOWN	UP	UP
20W	440MA	27-42V	UP	DOWN	UP
24W	530MA	27-42V	UP	UP	DOWN
28W	610MA	27-42V	DOWN	UP	DOWN
30W	660MA	27-42V	UP	DOWN	DOWN
32W	730MA	27-42V	DOWN	DOWN	DOWN

MRK-DRIVER-40W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
24W	560MA	27-42V	UP	UP	UP
28W	650MA	27-42V	DOWN	UP	UP
30W	700MA	27-42V	UP	DOWN	UP
32W	770MA	27-42V	UP	UP	DOWN
38W	840MA	27-42V	DOWN	UP	DOWN
40W	880MA	27-42V	UP	DOWN	DOWN
42W	940MA	27-42V	DOWN	DOWN	DOWN

MRK-DRIVER-50W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
25W	580MA	27-42V	UP	UP	UP
30W	710MA	27-42V	DOWN	UP	UP
38W	880MA	27-42V	UP	DOWN	UP
40W	910MA	27-42V	UP	UP	DOWN
45W	990MA	27-42V	DOWN	UP	DOWN
50W	1100MA	27-42V	UP	DOWN	DOWN
52W	1160MA	27-42V	DOWN	DOWN	DOWN

MRK-DRIVER-60W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
40W	920MA	27-42V	UP	UP	UP
45W	1020MA	27-42V	DOWN	UP	UP
50W	1120MA	27-42V	UP	DOWN	UP
55W	1230MA	27-42V	UP	UP	DOWN
57W	1290MA	27-42V	DOWN	UP	DOWN
60W	1360MA	27-42V	UP	DOWN	DOWN
62W	1410MA	27-42V	DOWN	DOWN	DOWN

MRK-DRIVER-100W-PLUS					
Input Wattage	Input Voltage	Output Voltage	Switch		
			1	2	3
65W	1520MA	27-42V	UP	UP	UP
70W	1630MA	27-42V	DOWN	UP	UP
75W	1740MA	27-42V	UP	DOWN	UP
80W	1850MA	27-42V	UP	UP	DOWN
85W	1940MA	27-42V	DOWN	UP	DOWN
90W	2050MA	27-42V	UP	DOWN	DOWN
95W	2150MA	27-42V	DOWN	DOWN	DOWN
100W	2250MA	27-42V	DOWN	DOWN	DOWN

## COVE LIGHTING KIT CONFIGURATIONS BASED ON LUMENS PER FOOT

PART NUMBER	LENGTH	RUN WATTAGE	DRIVER WATTAGE	Magnilumen Cove Kit at Color Selectable = 3000/3500/4000K
<b>5 WATTS PER FOOT (750 lumens per foot)</b>				
MRK-COVE-6FT-5W-CSK-PLUS	6 ft	30	30	Two 3ft bars - 6ft long, 5W per ft
MRK-COVE-8FT-5W-CSK-PLUS	8 ft	40	40	Two 4ft bars - 8ft long, 5W per ft
MRK-COVE-10FT-5W-CSK-PLUS	10 ft	50	50	Two 4ft bars, One 2 ft bar - 10ft long, 5W per ft
MRK-COVE-12FT-5W-CSK-PLUS	12 ft	60	60	Three 4ft bars - 12ft long, 5W per ft
MRK-COVE-20FT-5W-CSK-PLUS	20 ft	100	100	Five 4ft bars - 20ft long, 5W per ft
<b>4 WATTS PER FOOT (600 lumens per foot)</b>				
MRK-COVE-6FT-4W-CSK-PLUS	6 ft	24	30	Two 3ft bars - 6ft long, 4W per ft
MRK-COVE-8FT-4W-CSK-PLUS	8 ft	32	40	Two 4ft bars - 8ft long, 4W per ft
MRK-COVE-10FT-4W-CSK-PLUS	10 ft	40	40	Two 4ft bars, 1 2ft bar - 10ft long, 4W per ft
MRK-COVE-12FT-4W-CSK-PLUS	12 ft	48	50	Three 4ft bars - 15ft long, 4W per ft
MRK-COVE-20FT-4W-CSK-PLUS	20 ft	80	100	Five 4ft bars - 20ft long, 4W per ft
MRK-COVE-25FT-4W-CSK-PLUS	25 ft	100	100	Four 4ft bars, Three 3ft bars - 25ft long, 4W per ft
<b>3 WATTS PER FOOT (450 lumens per foot)</b>				
MRK-COVE-6FT-3W-CSK-PLUS	6 ft	18	20	Two 3ft bars - 6ft long, 3W per ft
MRK-COVE-8FT-3W-CSK-PLUS	8 ft	24	30	Two 4ft bars - 8ft long, 3W per ft
MRK-COVE-10FT-3W-CSK-PLUS	10 ft	30	30	Two 4ft bars, One 2ft bar - 10ft long, 3W per ft
MRK-COVE-12FT-3W-CSK-PLUS	12 ft	36	40	Three 4ft bars - 12ft long, 3W per ft
MRK-COVE-15FT-3W-CSK-PLUS	15 ft	45	50	Three 4ft bars, One 3ft bar - 15ft long, 3W per ft
MRK-COVE-20FT-3W-CSK-PLUS	20 ft	60	60	Five 4ft bars - 20ft long, 3W per ft
MRK-COVE-25FT-3W-CSK-PLUS	35 ft	75	100	Four 4ft bars, Three 3ft bars - 25ft long, 3W per ft
MRK-COVE-30FT-3W-CSK-PLUS	30 ft	90	100	Seven 4ft bars, One 2ft bar - 30ft long, 3W per ft
<b>2 WATTS PER FOOT (300 lumens per foot)</b>				
MRK-COVE-6FT-2W-CSK-PLUS	6 ft	12	20	Two 4ft bars - 8ft long, 2W per ft
MRK-COVE-8FT-2W-CSK-PLUS	8 ft	16	20	Two 4ft bars - 8ft long, 2W per ft
MRK-COVE-10FT-2W-CSK-PLUS	10 ft	20	20	Two 4ft bars, One 2ft bar - 12ft long, 2W per ft
MRK-COVE-12FT-2W-CSK-PLUS	12 ft	24	30	Three 4ft bars - 15ft long, 2W per ft
MRK-COVE-20FT-2W-CSK-PLUS	20 ft	40	40	Five 4ft bars - 20ft long, 2W per ft
MRK-COVE-25FT-2W-CSK-PLUS	25 ft	50	50	Four 4ft bars, Three 3ft bars - 25ft long, 2W per ft
MRK-COVE-30FT-2W-CSK-PLUS	30 ft	60	60	Seven 4ft bars, One 2ft bar - 30ft long, 2W per ft
MRK-COVE-40FT-2W-CSK-PLUS	40 ft	80	100	Ten 4ft bars - 40ft long, 2W per ft
MRK-COVE-50FT-2W-CSK-PLUS	50 ft	100	100	Twelve 4ft bars, One 2ft bar - 50ft long, 2W per ft

**Custom lengths and configurations available. Consult factory.**