

aisle LIGHTING (AL) SERIES

THEATER / AUDITORIUM LIGHTING



PROJECT

TYPE

NOTES

FEATURES

DESCRIPTION

Aisle lighting profile is designed to safely illuminate plain aisles in theaters, auditoriums, and indoor public spaces.

CONSTRUCTION

- Black, flexible, non-slip, durable PVC rubber extrusion.
- Field cuttable for exact length and miter cut
- 0.25W, 4-LED replaceable modules available in a variety of colors
- Standard Led Spacing 9" O/C, 12" O/C and 18" O/C, custom available.
- Snap in Polycarbonate lens
- 12VAC system powered by low voltage class II transformers
- Dimmable

OPTIONS

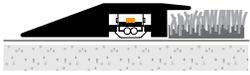
- Five trim styles:
- Carpet to floor
- Carpet to carpet
- Floor to floor
- Floor to wall
- Carpet to wall
- Various LED colors
- Custom spacing
- Custom mix of led colors available



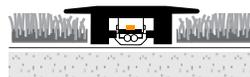
SERIES	LED SPACING	LED COLORS	QUANTITY / LENGTH
AL-C/F CARPET TO FLOOR	9 9" O/C	W27K WHITE 2700K	SPECIFY
	12 12" O/C	W3K WHITE 3000K	
AL-C/C CARPET TO CARPET	18 18" O/C	W35K WHITE 3500K	
	C CUSTOM (Specify)	W4K WHITE 4000K	
AL-F/F FLOOR TO FLOOR		W5K WHITE 5000K	
AL-F/W FLOOR TO WALL		A AMBER	
AL-C/W CARPET TO WALL		R RED	
		B BLUE	
		M MIX COLORS (Specify)	
Refer to PG. 3	Refer to PG. 3	Refer to PG. 3	Refer to PG. 3

AISLE LIGHTING (AL) SERIES

SPECIFICATIONS



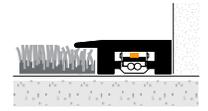
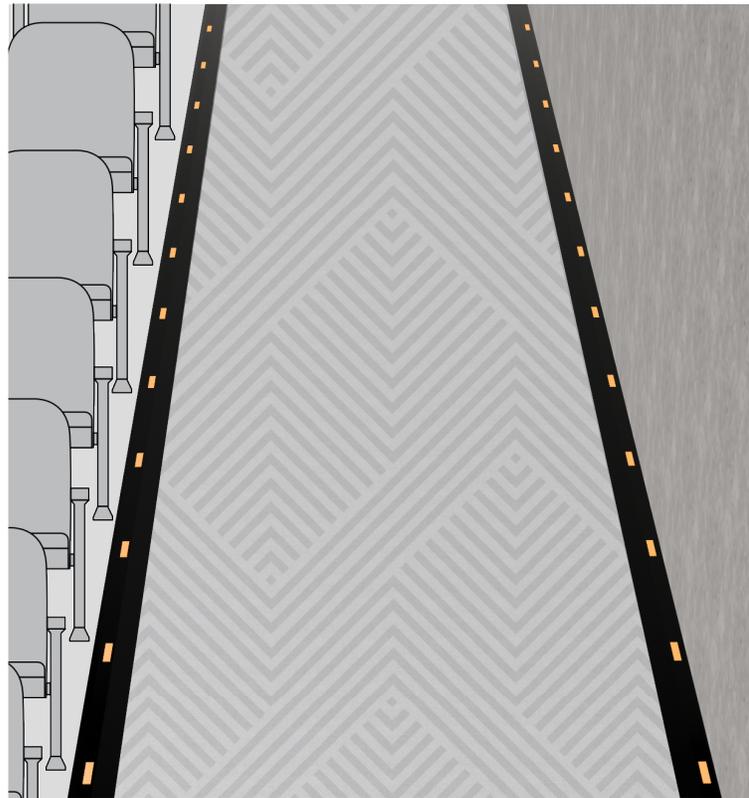
AL-C/F
CARPET TO FLOOR



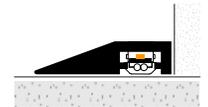
AL-C/C
CARPET TO CARPET



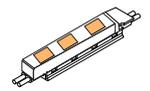
AL-F/F
FLOOR TO FLOOR



AL-C/W
CARPET TO WALL



AL-F/W
FLOOR TO WALL



AL-LRB
LED REPLACEABLE BOARD

SPECIFICATIONS

- EXTRUSION** Durable black, UL approved material, non slip, high grip, flexible PVC rubber. Designed for heavy foot traffic.
- LENS** 2" long, clear prismatic, impact-resistant polycarbonate lens, snaps in and out for easy relamping.
- LEDs** Available in white, amber, red, blue.
- LED BOARD** Replaceable custom LED board with four LEDs 0,25 watt/board, designed for easy snap-in and snap-out relamping.
- SOCKET** Custom-made socket designed to securely hold the wiring, LED board, and lens cover.
- LED SPACING** Standard spacing 9"o/c, 12"o/c, and 18"o/c. Custom spacing available.
- ELECTRICAL** Low voltage 12VAC system, 0.25 watt per LED module for all colors, refer to page 4 for maximum runs.
- ADHESIVE** Premium construction high quality adhesive.
- TRANSFORMER** Low voltage, 120 or 277VAC / 12VAC class 2 remote transformer is required, refer to page 6 for details and options.

COMPLIANCE CERTIFICATIONS

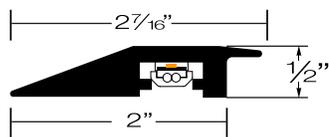


AISLE LIGHTING (AL) SERIES

SERIES - OPTIONS

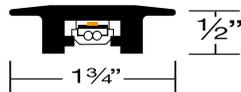


SERIES



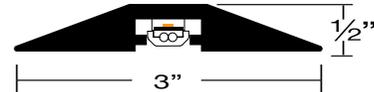
AL-C/F

CARPET TO FLOOR



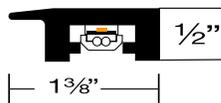
AL-C/C

CARPET TO CARPET



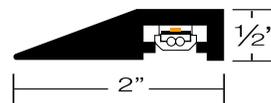
AL-F/F

FLOOR TO FLOOR



AL-C/W

CARPET TO WALL



AL-F/W

FLOOR TO WALL

LED SPACING

PART NUMBER	9	12	18	C
DESCRIPTION	9" o/c	12" o/c	18" o/c	Custom, Specify

LED COLORS



W27K - 2700K



W3K - 3000K



W35K - 3500K



W4K - 4000K



W5K - 5000K



A - AMBER



R - RED



B - BLUE

LENGTHS

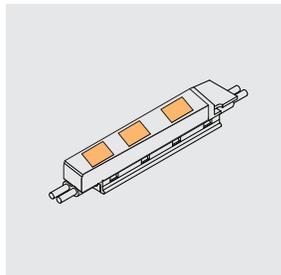
QTY / LENGTHS

Specify the quantity and exact aisle light length required, field trim to exact length optional.

LED BOARD

LED replaceable board available in white, blue, green, red, amber and yellow amber.

PART NO.	DESCRIPTION
AL-LRB-W27K	LED REPLACEABLE BOARD 2700K
AL-LRB-W3K	LED REPLACEABLE BOARD 3000K
AL-LRB-W35K	LED REPLACEABLE BOARD 3500K
AL-LRB-W4K	LED REPLACEABLE BOARD 4000K
AL-LRB-W5K	LED REPLACEABLE BOARD 5000K
AL-LRB-A	LED REPLACEABLE BOARD AMBER
AL-LRB-R	LED REPLACEABLE BOARD RED
AL-LRB-B	LED REPLACEABLE BOARD BLUE



ADHESIVE

Premium construction high quality adhesive.
One tube of 28 fl oz covers 30 ft of Aisle lighting.

PART NO.	DESCRIPTION
ADH	ADHESIVE 28 fl oz (828 ml)



AISLE LIGHTING (AL) SERIES

TRANSFORMERS - MAX RUNS - VOLTAGE DROP



TRANSFORMERS

- Class 2 magnetic transformer
- Secondary protection provided (reset-able 5A circuit breakers).
- Isolated secondary output.
- Outdoor listed enclosure NEMA 3R.
- Potted for quiet operation and long life.
- Dimmable with MLV dimmers only.
- ETL listed. Meets UL 1571, 1838 and Article 411 of N.E.C.



PART NO.	WATTS	PRIMARY	SECONDARY	BREAKERS	DIMENSIONS	WEIGHT
PLT2 -60 - 120/12	60W	120VAC	12VAC	1 - 5A	6 3/4" X 4 7/8" X 4 5/8	5 LBS
PLT2 -100 - 120/12	100W	120VAC	12VAC	2 - 5A	6 3/4" X 4 7/8" X 4 5/8	10 LBS
PLT2 -150 - 120/12	150W	120VAC	12VAC	3 - 5A	6 3/4" X 4 7/8" X 4 5/8	11 LBS
PLT2 -250 - 120/12	250W	120VAC	12VAC	4 - 5A	6 3/4" X 4 7/8" X 4 5/8	13 LBS
PART NO.	WATTS	PRIMARY	SECONDARY	BREAKERS	DIMENSIONS	WEIGHT
PLT2 -100 - 277/12	100W	277VAC	12VAC	2 - 5A	6 3/4" X 4 7/8" X 4 5/8	10 LBS
PLT2 -300 - 277/12	300W	277VAC	12VAC	5 - 5A	6 3/4" X 4 7/8" X 4 5/8	13 LBS

MAXIMUM RUNS

The maximum recommended runs below are based on 80% load of 60W, 12V, 5A (80% of 60W is 48W, 12V, 4A).

LED SPACING	WATTS / LED MODULE	WATTS / FT	MAX RUNS
9" O/C	0.25W	0.33W	144' (48W, 4A)
12" O/C	0.25W	0.25W	192' (48W, 4A)
18" O/C	0.25W	0.17W	282' (48W, 4A)

VOLTAGE DROP

Maximum wire distance between the transformer and lighting system to prevent voltage drop

LOAD (Watts)	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG
10W	1124'	722'	454'	285'	179'	113'	71'
20W	559'	359'	226'	142'	89'	56'	35'
30W	373'	240'	151'	95'	60'	38'	23'
40W	280'	180'	113'	71'	45'	28'	18'
280'	224'	144'	90'	57'	36'	23'	14'
60W	187'	120'	75'	47'	30'	19'	12'

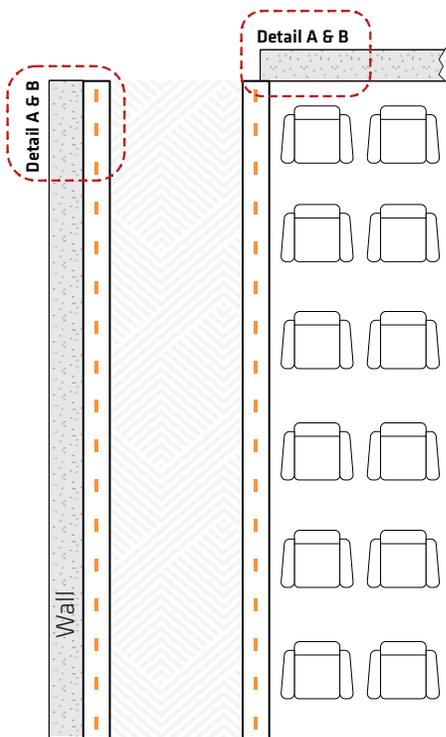
aisle lighting (AL) series

TYPICAL - AISLES LAYOUT & POWER FEED

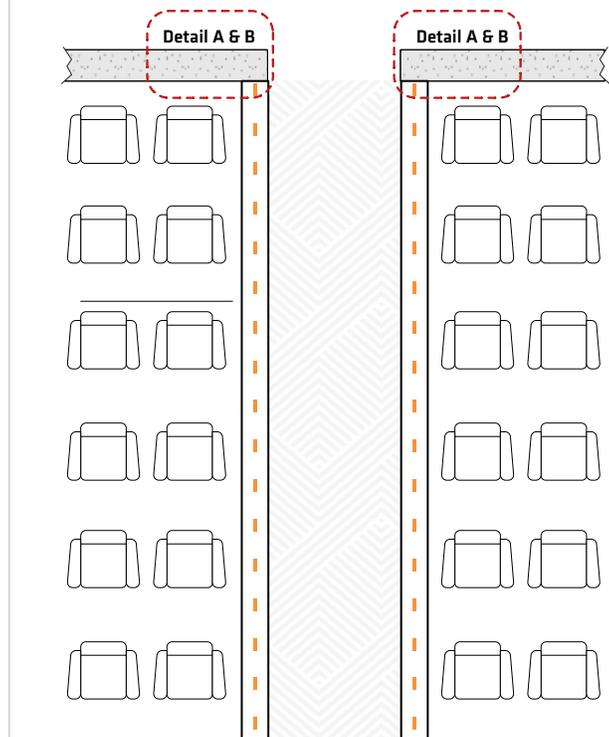


TYPICAL AISLES LAYOUT

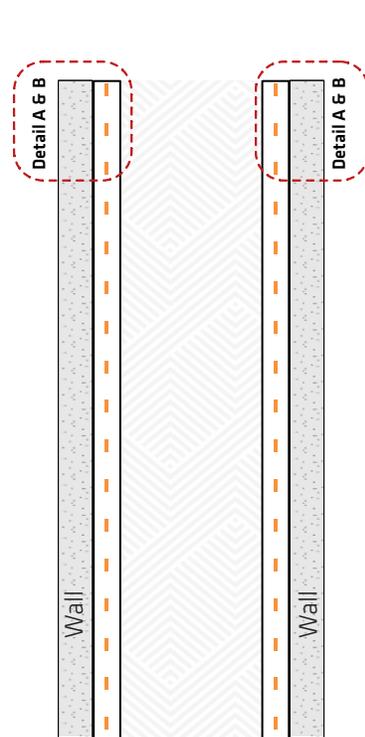
AISLE BETWEEN WALL & SEATS



AISLE BETWEEN SEATS



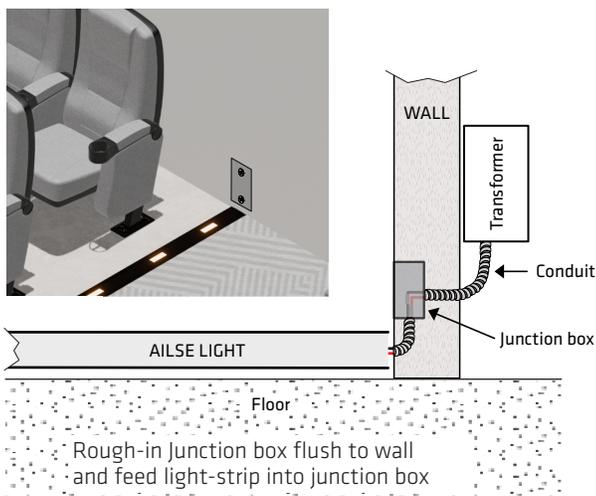
AISLE BETWEEN WALLS



TYPICAL POWER FEED

The details below are examples only
 The contractor is responsible for determining the most appropriate method to power feed the system. Contractor must identify the optimal location(s) for transformers and J-Boxes to ensure a proper and safe installation and in accordance with code requirements.

DETAIL A Wall Junction Box



DETAIL B Floor Junction Box

