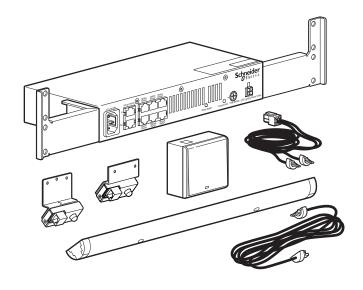
Installation Manual

Aisle Containment System

Lighting Control Kit ACDC2018, ACDC2019

990-5561-001

Publication Date: January, 2013





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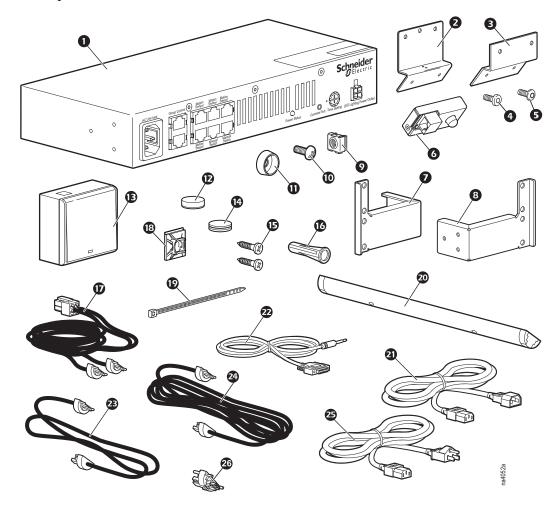
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Overview

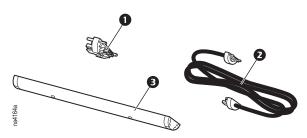
Parts inventory—ACDC2018



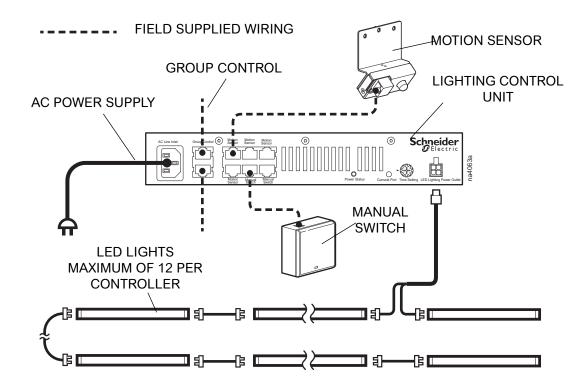
Item	Description	Quantity
0	Lighting control unit	1
2	Motion sensor mounting bracket,	2
€	Motion sensor mounting bracket, sliding door	2
4	M4 × 8mm TORX screw, thread forming	6
6	M4 × 8 mm TORX screw	8
6	Motion sensor	2
0	Lighting control unit mounting bracket, left	1
8	Lighting control unit mounting bracket, right	1
9	M6 caged nut	4
•	M6 × 16 screw, Phillips	4
•	Cup washers	4
Ø	Magnets, manual switch	8

Item	Description	Quantity
Œ	Manual switch	2
•	Hook and loop fastener, manual switch	8
©	Wood screw - #6 × 3/4 - Phillips	4
•	Wall anchor	4
©	Wire assembly, 24 V power	1
B	Wire tie cable holder	45
©	Wire tie	45
20	LED light assembly module, 6W	6
②	Power cord, 15A 250V, C13 to C14	1
2	2.5mm to DB9F cable, console port	1
3	Light-to-light wire assembly	5
24	Light-to-light wire assembly, across aisle	1
25	Power Cord, 15A 125V, C13 to 5-15P	1
26	Light-to-light connector, end-to-end	5

Parts inventory—ACDC2019

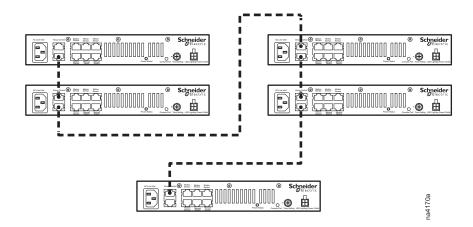


Item	Description	Quantity
0	Light-to-light connector, end-to-end	4
2	Light-to-light wire assembly	4
₿	6W LED light assembly	4



A maximum of five controllers can be connected together via the Group Control connection ports.

---- FIELD SUPPLIED WIRING



Important Safety Information

Read the instructions carefully to become familiar with the equipment before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a Danger or Warning safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

A DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **will result in** death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, **can result in** death or serious injury.

A CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **can result in** minor or moderate injury.

NOTICE

NOTICE addresses practices not related to physical injury including certain environmental hazards, potential damage, or loss of data.

Installation

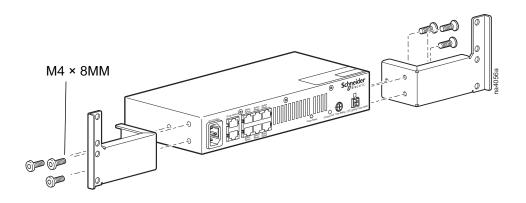
Lighting control unit

The lighting control unit should be placed in the lowest position possible (0U) in the enclosure.

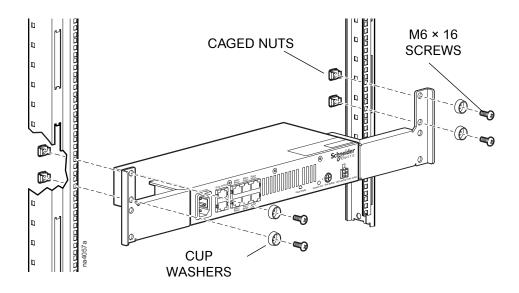


Refer to the Aisle Containment configuration report for more information for locating components.

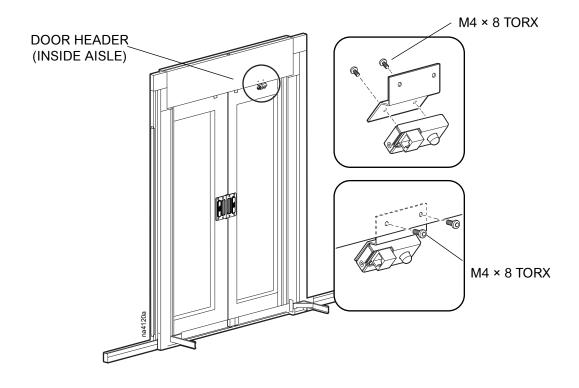
1. Install the mounting brackets onto the lighting control unit.

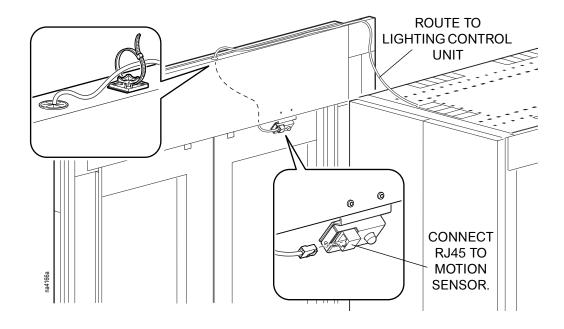


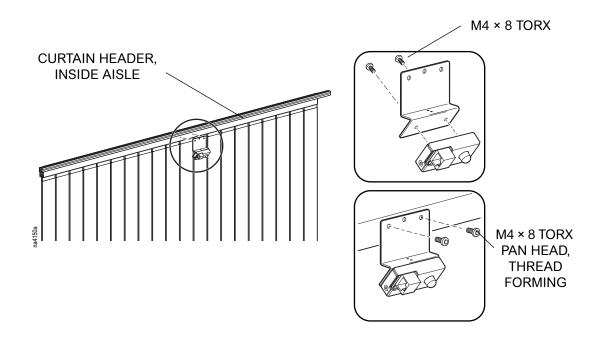
2. Install the controller onto the mounting rails of the enclosure. Use four caged nuts, cup washers, and M6 \times 16 screws.

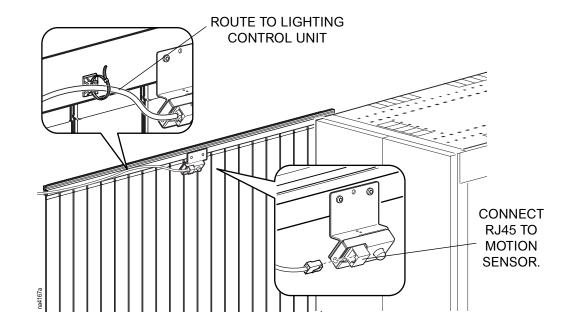


Motion sensor installation for sliding doors





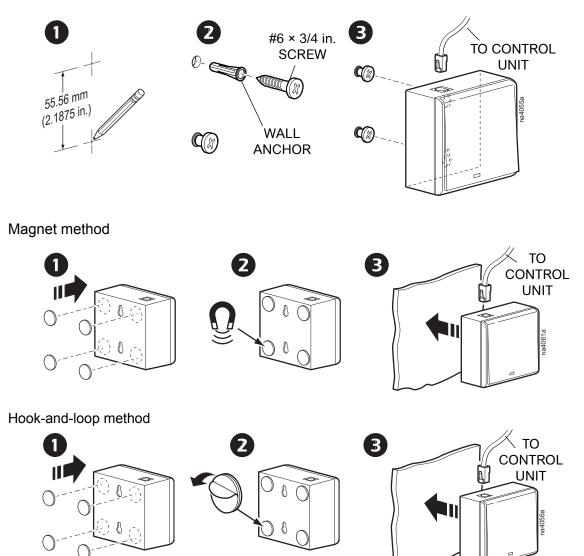




Manual switch installation

The manual switch can be located inside or outside of the containment area and should be attached to a surface using one of the three methods shown below.

Fastener method



LED lighting assembly installation—ceiling containment

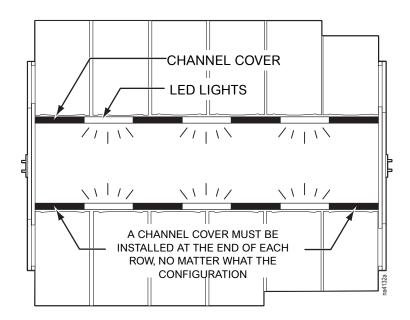
NOTE: A maximum of twelve lights can be installed per lighting control unit.

Arrange LED lights evenly on each side of the row. Install channel covers to fill in space between each light.

NOTE: The provided cable only supports a maximum length of two channel covers.



Refer to the Aisle Containment configuration report for more information for locating components.



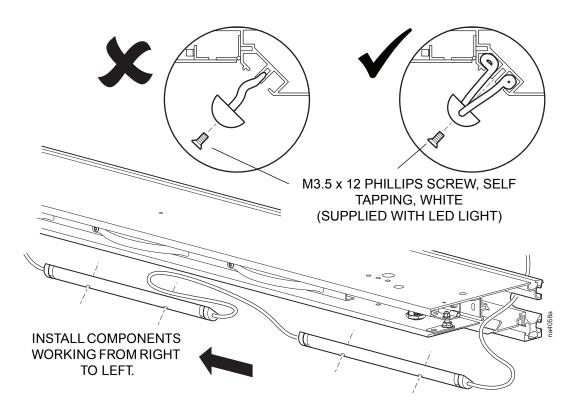
Starting on the right side and working to the left, install the LED lights alternating with channel covers (when appropriate). Place any wires used in the upper and lower channels of the extrusion.

ACAUTION

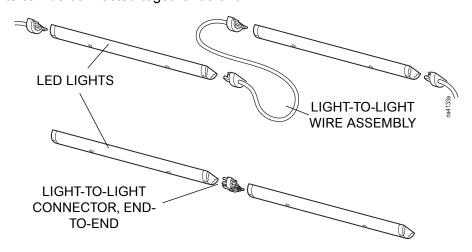
WIRE PINCH HAZARD

Do not use the center channel to route wire. This is reserved for the lighting and wire cover fasteners.

Failure to follow these instructions can result in equipment damage.



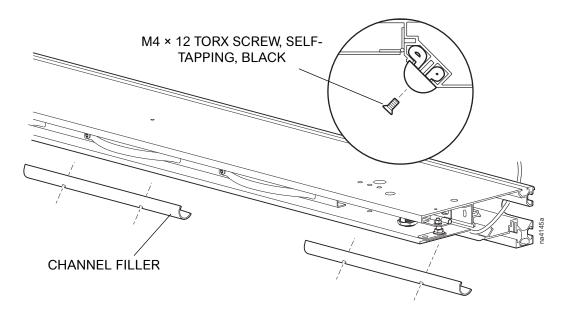
LED lights can be connected together as shown.



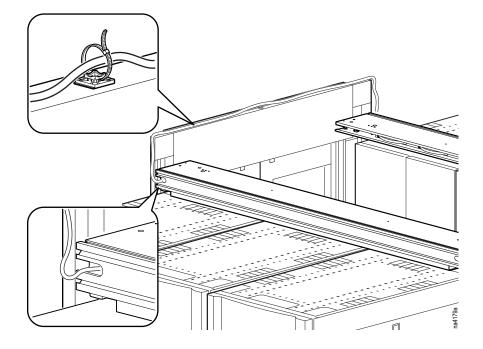
Locate the wire covers in the ceiling panels mounting rail kit. Install the wire covers, filling in the gaps on either side of the LED lights.



Refer to the main installation manual for the Aisle Containment System for more information.



Route the lighting cable over the door frame and across the aisle.

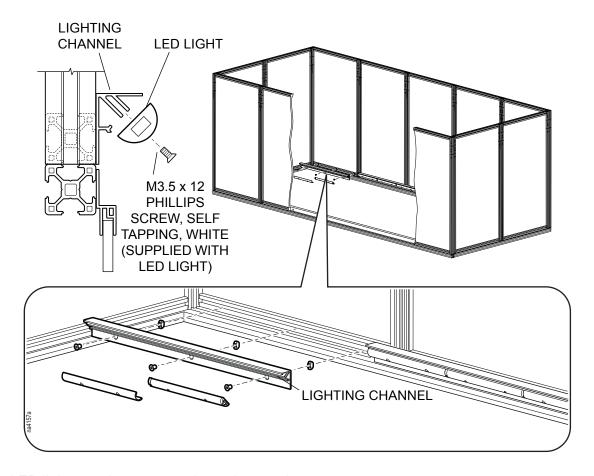


LED lighting assembly installation—ducted

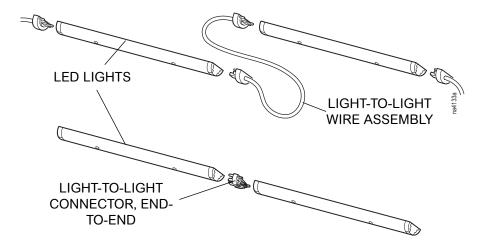
Install the LED lights onto the lighting channel.



Refer to the main installation manual for the Aisle Containment System for more information on installing the light channel in a ducted application.



LED lights can be connected together as shown.



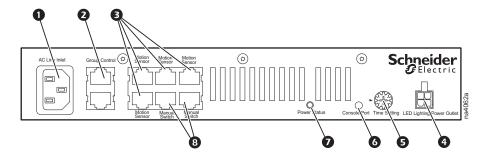
Locate the wire covers in the ceiling panels mounting rail kit. Install the wire covers, filling in the gaps on either side of the LED lights.



Refer to the main installation manual for the Aisle Containment System for more information.

Power and communication connections

Lighting control unit component identification



Item	Description	Item	Description
0	AC line inlet	Ø	Time setting
2	Control group	0	Console port
₿	Motion sensor input (4)	0	Power status
4	LED light power outlet	8	Manual switch input (2)

AWARNING

ELECTRIC SHOCK HAZARD

Do not use an extension cord with this product.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Lighting System Setup and Operation

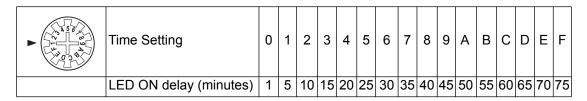
Motion detection

One lighting control unit can support four motion sensors. If any of the sensors detect movement, the lighting control unit will turn on its LED lighting bank.

NOTE: The motion sensors range, or sensitivity, cannot be adjusted

Time setting

The time setting control is used to control the length of time the LED lighting bank will be ON. If the motion sensor is triggered during the ON cycle, the timer will be restarted. The LED lights can be turned OFF using the manual switch.



Manual switch

Pressing a manual switch will turnoff the lights in its group, and the motion sensor function becomes inactive for 10 seconds. After 10 seconds, the motion sensor function will once again become active and take over the control.

Power status indicator

The power status indicator illuminates when power is supplied to the unit and it is functioning normally.

Worldwide Customer Support



990-5561-001 1/2013