

ALFA SERIES

8 FT LINEAR LIGHT

ADJUSTABLE LUMEN + COLOR



LENGTH
8 FT

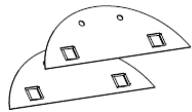
WATTAGE
40 / 50 / 60 W

COLOR
3000 / 4000 / 5000 K

CONTROL
0-10 V DIMMING

ACCESSORIES

INCLUDED / OPTIONAL



J-Box Mounting Plate

INCLUDED



Suspension Mount Kit

INCLUDED



Alignment Bracket

SOLD SEPARATELY

PRODUCT FEATURES

COMMERCIAL-GRADE

- Operating temperature: -4 F to +104 F / -20 C to +40 C
- Suitable for damp locations
- Lumen maintenance over 70% at 50,000+ hours
- CRI 80+; power factor greater than 0.9
- 120-degree beam angle
- White aluminum body and efficient heat sink
- Linkable with included wire-harness connection kit
- Low-profile PMMA lens for even, low-glare distribution
- Selectable wattage and CCT; optional motion sensor or emergency driver

ORDERING GUIDE

8 FT CONFIGURATIONS

Model	Length	Wattage	CCT	Lumens	Dimming	Voltage	Included
RY-8FT-LS100-3W3CCT	8 ft	40/50/60 W	3000/4000/5000 K	5200/7800/10400	0-10 V	120-277 V	Standard
RY-8FT-LS100-3W-3CCT-MS	8 ft	40/50/60 W	3000/4000/5000 K	5200/7800/10400	0-10 V	120-277 V	Bi-Level Motion
RY-8FT-LS100-3W-3CCT-EM	8 ft	40/50/60 W	3000/4000/5000 K	5200/7800/10400	0-10 V	120-277 V	Emergency Battery
RY-8FT-LS100-3W-3CCT-MS-EM	8 ft	40/50/60 W	3000/4000/5000 K	5200/7800/10400	0-10 V	120-277 V	EM + Motion

OPTION SPECIFICATIONS

FIELD-CONFIGURABLE

MOTION SENSOR - ANT-3A

POWER SUPPLY
12-24 V DC

MOUNTING HEIGHT
Max. 13 ft

DIM LEVEL
0 / 10 / 30 / 50%

DAYLIGHT CONTROL
10 / 30 / 50 lux

HOLD TIME
10 s / 1 / 5 / 15 min

STANDBY TIME
Infinite / 1 / 30 / 60 min

EMERGENCY DRIVER

MODEL
BLD-CM20E-480800-8W

INPUT
100-277 Vac

EMERGENCY TIME
>= 1.5 h

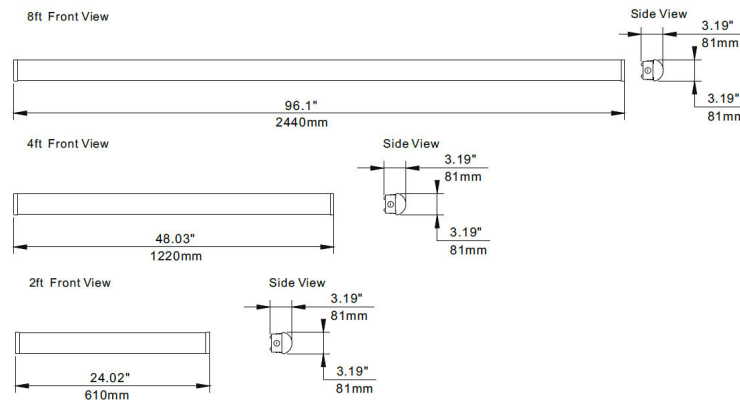
OUTPUT
160-320 mA, 25-48 Vdc

POWER
8 W

ALFA LINEAR SERIES

DIMENSIONS, PACKAGING & PHOTOMETRICS
FIXTURE DIMENSIONS

2 FT / 4 FT / 8 FT

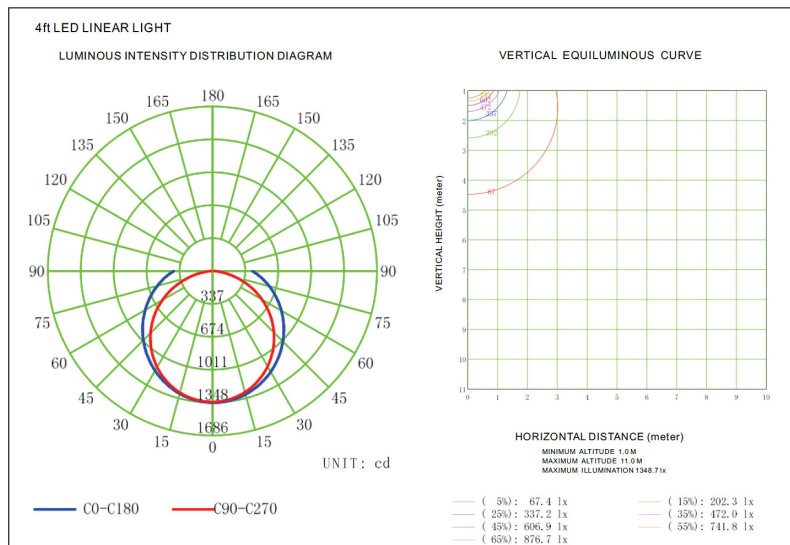

PACKAGE INFORMATION

2 FT / 4 FT / 8 FT

	ALFA-2FT-LS100-20W-3CCT	ALFA-4FT-LS100-3W3CCT	ALFA-8FT-LS100-3W3CCT
Size	2 FT	4 FT	8 FT
QTY / Pack	4 pcs / pack	4 pcs / pack	4 pcs / pack
Package Size	640 x 190 x 195 mm 25.2 x 7.48 x 7.68 in	1285 x 190 x 195 mm 50.59 x 7.48 x 7.68 in	2505 x 190 x 195 mm 98.62 x 7.48 x 7.68 in
Package Weight	4.5 kg / 21.83 lb	9.9 kg / 21.83 lb	18.6 kg / 41.01 lb
Package CBM	0.023712	0.047609	0.09281
40GP Capacity	~9780 pcs	~4870 pcs	~2490 pcs
40HQ Capacity	~11470 pcs	~5710 pcs	~2930 pcs
45HQ Capacity	~13150 pcs	~6550 pcs	~3360 pcs

PHOTOMETRIC REPORT

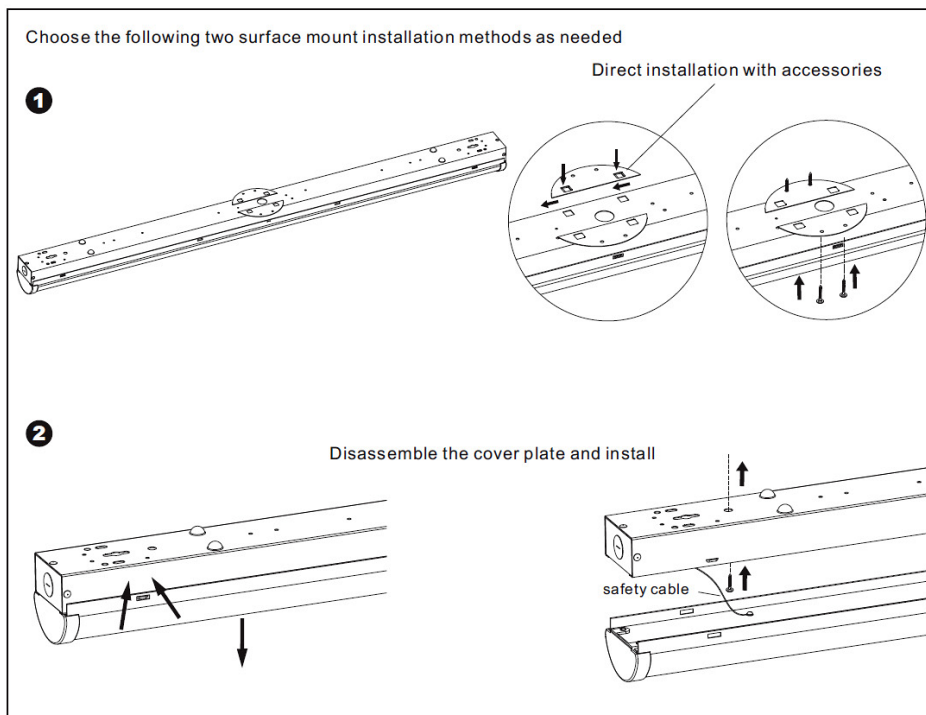
4 FT LED LINEAR LIGHT



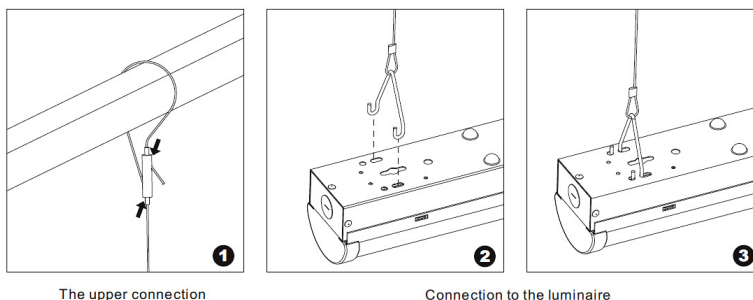
ALFA LINEAR SERIES

INSTALLATION METHODS
01 SURFACE MOUNT

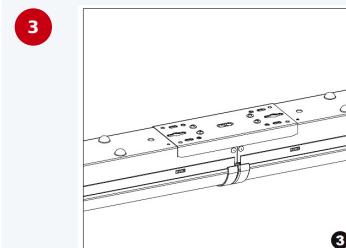
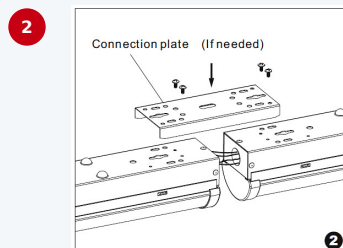
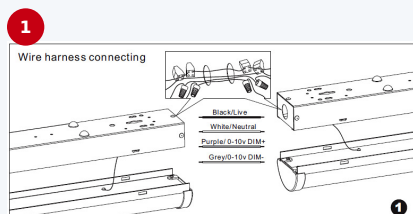
DIRECT OR J-BOX MOUNT


02 SUSPENSION MOUNT

HANGING KIT INCLUDED


03 LINKABLE CONNECTION

WIRE HARNESS + ALIGNMENT BRACKET

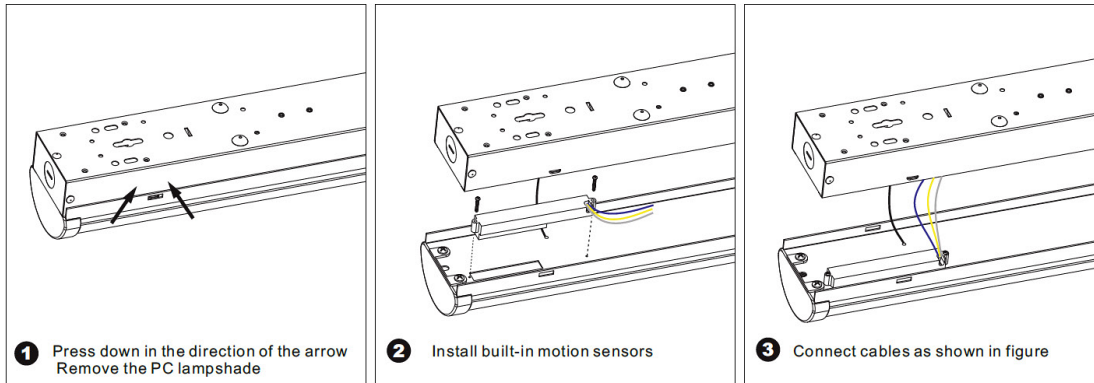


ALFA CONTROL OPTIONS

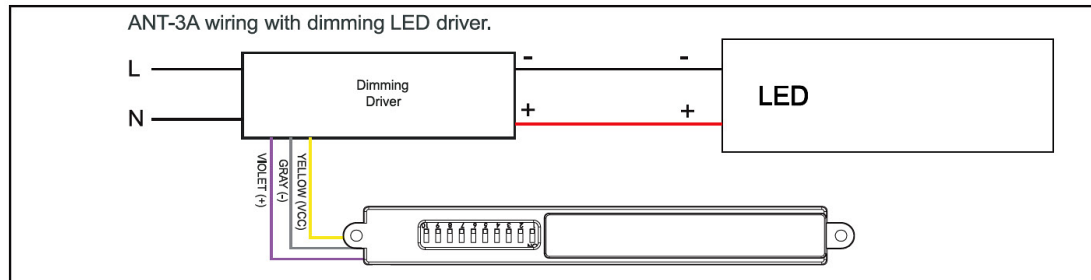
BUILT-IN MOTION SENSOR

INSTALLATION, WIRING & SENSOR DIMENSIONS

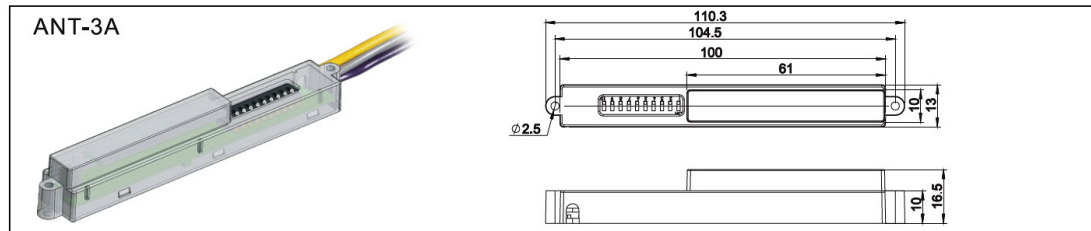
ANT-3A



WIRING DIAGRAMS



BUILT-IN MOTION SENSOR INFORMATION



SETTINGS, WARNINGS & SPECIFICATIONS

DIP SWITCH 1-10

WARNING

NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15 seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, Daylight sensor is 30lux, Dimming level:30%,Dimming time: 60minutes.

NOTE: Any setting changed by DIP Switch or remote control, the led light that sensor connect will on/off as confirm.

PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level 9, 10 set stand-by time;



For detailed adjustment methods, please refer to the ANT-3A instruction manual

SPECIFICATIONS

Power supply	12V~24V DC, >50mA
HF System	5.8GHz±75MHz
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 17ft(5.2m)/360°
Mounting height	Max 13ft(4m)
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ 158°F (-40°C ~ 70°C)



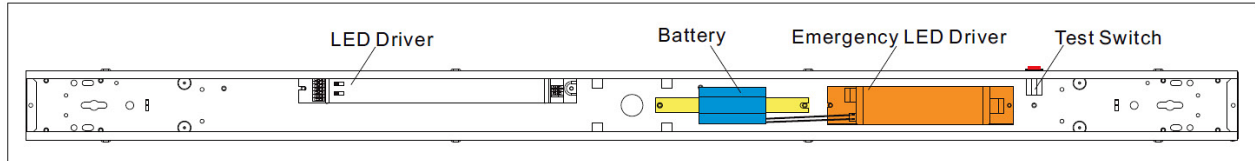
ALFA EMERGENCY OPTION

BUILT-IN EMERGENCY SYSTEM

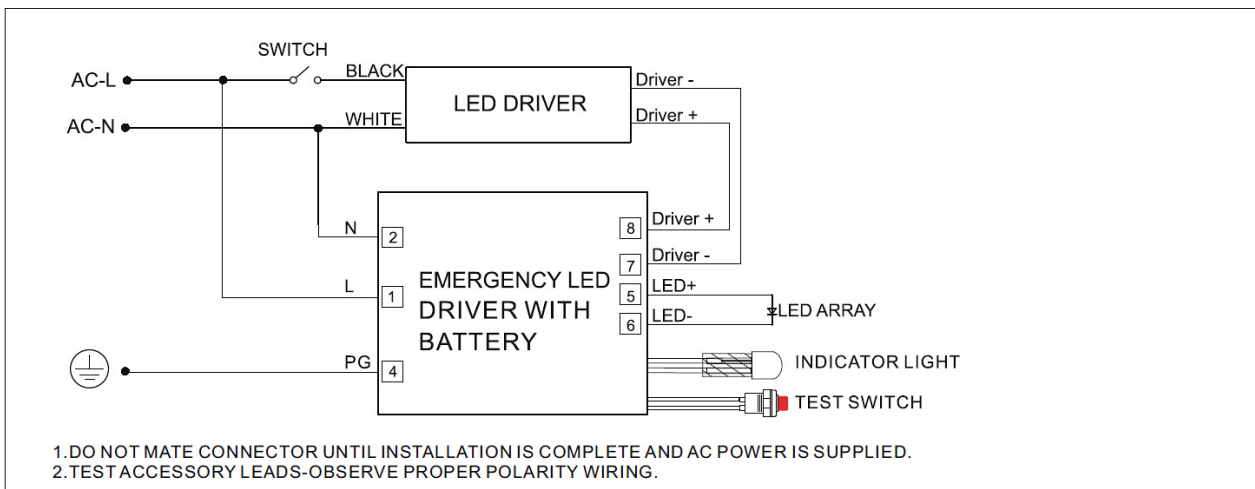
INSTALLATION, WIRING & DRIVER INFORMATION

8 W / 90+ MINUTES

EMERGENCY LED DRIVER INSTALLATION POSITION



WIRING DIAGRAM



EMERGENCY LED DRIVER INFORMATION

Specifications:



Specifications:

Universal Input Voltage	100-277Vac 50/60Hz
AC Input Current	100mA max.
AC Input Power Rating	7.0W max.
Output Current and Voltage	160-320mA 25-48Vdc
Output Power	8W
Emergency Time	≥1.5H
Full Warranty	5 Years
Test Switch Indicator Light	Illuminated Test Switch, indicator Light
Battery	Li-ion battery-7.4V/2500MAH
Battery Charging Current	250mA
Charging Time	≥24Hours
Temperature Rating (Ambient)	Li-ion 0°C to +40°C (32°F to 104°F)

AC Operation:

AC power is present, The LED load from the LED driver is normal power supply, AC LED driver output current can not exceed 150W or 4A, the emergency driver is charging in a standby mode, The green LED light on to indicate that it is charging.

Emergency operation:

When the AC power goes out, The emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

Dimensions:

Case-7.4"x1.5"x1.14"(mounting center-7.0")
 Battery 6.1"x1.57"(mounting center-5.66")

