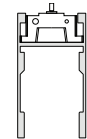


PROJECT INFORMATION

Project Info	Date
<input type="text"/>	<input type="text"/>
Type	Quantity
<input type="text"/>	<input type="text"/>



(S) Aircraft Cable



Need help?
Don't see what you need?
We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have. Our talented Design Assist team is here to make the process move smoothly.

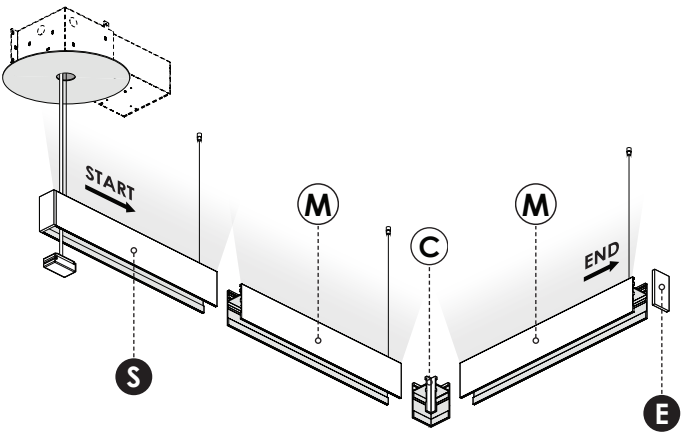
CUSTOM PATTERN ORDERING STEPS

S
START
SEGMENT

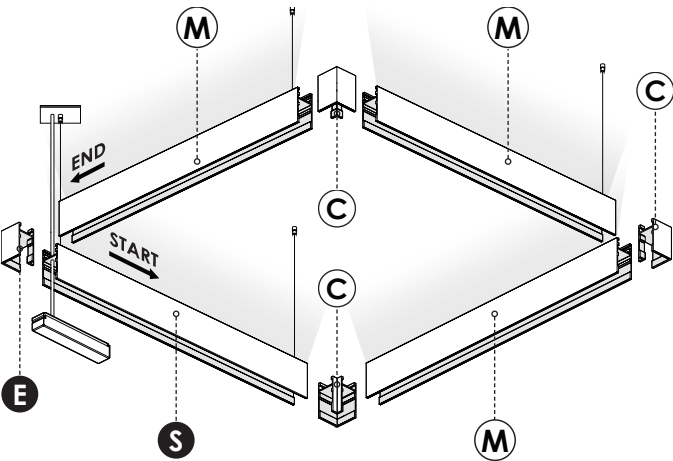
C REPEAT
AND/OR **M**
AS NEEDED

E
END
SEGMENT

OPEN PATTERN EXAMPLE:



CLOSED PATTERN EXAMPLE:



OPEN PATTERN ORDER SEQUENCE:

S + **M** + **C** + **M** + **E**

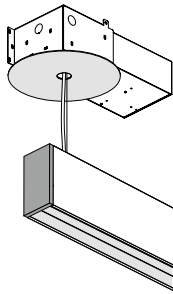
CLOSED PATTERN ORDER SEQUENCE:

S + **C** + **M** + **C** + **M** + **C** + **M** + **E**

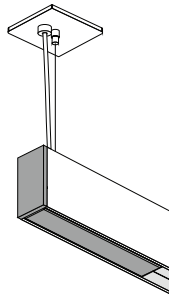
The open shape pattern
An open shape pattern always starts with 'open start segment', followed by a succession of 'mid segments' and/or corners and finishes with an end cap.

The closed shape pattern
A closed shape pattern always starts with a 'closed start segment', followed by a succession of 'mid segments' and/or corners and finishes with a segment to match the 'closed start segment'.

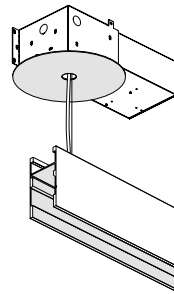
S START SEGMENT



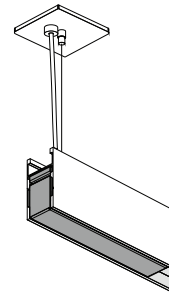
Recessed J-box
open start segment



Profile Integrated J-box
open start segment



Recessed J-box
closed start segment



Profile Integrated J-box
closed start segment

ALG2S						
SERIES	POWER SOURCE	START SEGMENT	LENGTH	INDIRECT OUTPUT	INDIRECT CCT	VOLTAGE
ALG2S	RJ Recessed J-box with cover plate IJ Profile Integrated J-box	OR Open configuration start segment CR Closed configuration start segment	2 Nominal 2' 4 Nominal 4' 6 Nominal 6' 8 Nominal 8'	LS Standard output LH High output	30 3000K 35 3500K 40 4000K	U Universal 120V-277V

MOUNTING	FINISH	DIRECT DIMMING	INDIRECT DIMMING	EMERGENCY	INDIRECT OPTIONS
S Aircraft cable* <small>*Standard 48" field adjustable cable, specify length to nearest inch if over 48".</small>	B Black W White <small>* Inside of system is always black</small>	D 0-10V D4 Wireless Casambi NA nLight air* NW nLight wired* <small>*Not available in dual circuit with integrated drivers.</small>	D 0-10V D4 Wireless Casambi NA nLight air* NW nLight wired* <small>*Not available in dual circuit with integrated drivers.</small>	E Emergency* <small>*Only for indirect lighting. Emergency segments indirect lighting only offered with 0-10V dimming. Not available for 347V. Consult factory to specify emergency segments</small>	CRI 90+ <small>*Standard offering is 80+ CRI</small>

Standard 120-277V 100W (DC)

Output options are for the indirect only. To specify options for the direct modules, go to the modules pages.

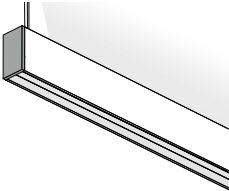
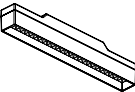

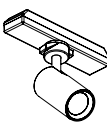
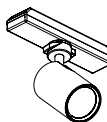
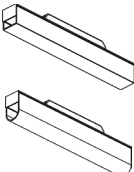
Recessed J-box: ø9.3" cover plate with recessed driver box. Standard is white. Recessed j-boxes are suitable for many kinds of ceiling and leave more space for accessories in the system.

Profile integrated J-box is 8" long and occurs at every power drop. Standard is black.

The Profile Integrated J-box makes it easier to install in the field and requires minimal intervention on the installation environment.

Refer to the previous page to understand the order sequence differences between an open and closed pattern.

MAXIMUM MODULES PER DRIVER

MAGNETIC SYSTEM	LIGHT SOURCES DC LOAD									
ALG2	PACE (22°-55°)		PACE HE TECH		ALTA 45		ALTA 55		STRIDE (SQ-RN)	
										
MAXIMUM DC LOAD 100W (PER DRIVER)	LH 17.0W	LS 10.0W	LH 13.0W	LS 7.0W	LH 13.5W	LS 6.5W	LH 18.5W	LS 10.5 W	LH 11W/FT	

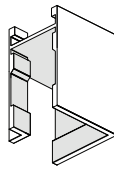
Here is how you determine if and when you need an extra power source :

1. The total DC load (W) of installed light sources exceeds 100W.

2. The total length of indirect lighting exceeds 12'

If your system exceeds either of these conditions (100W or 12'), an additional power source must be added in a M 'mid segment'.

C CORNER

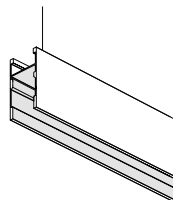


Horizontal flat corner

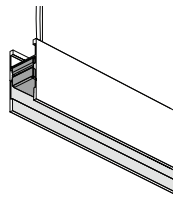
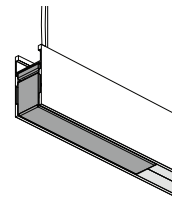
ALG2C		
SERIES	MID SEGMENT	FINISH
ALG2C	FCL Horizontal flat corner left FCR Horizontal flat corner right	B Black W White
	* Electrical connector provided with corner	* Inside of system is always black

C 'corner segments' must be separated by at least one M 'mid segment'.

M MID SEGMENT



No power mid segment

Powered Recessed
J-box mid segmentPowered Profile Integrated
J-box mid segment

ALG2M					
SERIES	POWER SOURCE	LENGTH	INDIRECT OUTPUT	INDIRECT CCT	VOLTAGE
ALG2M	N No power RJ Recessed J-box with cover plate IJ Profile Integrated J-box	2 Nominal 2' 4 Nominal 4' 6 Nominal 6' 8 Nominal 8'	LH High output LS Standard output	30 3000K 35 3500K 40 4000K	U Universal 120V-277V

MOUNTING	FINISH	DIRECT DIMMING	INDIRECT DIMMING	EMERGENCY	OPTIONS
S Aircraft cable* <small>*Standard 48" field adjustable cable, specify length to nearest inch if over 48".</small>	B Black W White <small>* Inside of system is always black</small>	D 0-10V D4 Wireless Casambi NA nLight air* NW nLight wired* <small>*Not available in dual circuit with integrated drivers.</small>	D 0-10V D4 Wireless Casambi NA nLight air* NW nLight wired* <small>*Not available in dual circuit with integrated drivers.</small>	E Emergency - battery* <small>*Only for indirect lighting. Emergency segments indirect lighting only offered with 0-10V dimming. Not available for 347V. See technical data for more information.</small>	CRI 90+ <small>*Standard offering is 80+ CRI</small>

Standard 120-277V 100W (DC)

Output options are for the indirect only. To specify options for the direct modules, go to the modules pages.

Recessed J-box: ø9.3" flat plate with recessed driver box. Standard is white.

Recessed j-boxes are suitable for many kinds of ceiling and leave more space for accessories in the system.

Profile integrated J-box is 8" long and occurs at every power drop. Standard is black.

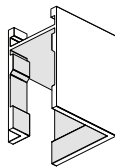
The Profile Integrated J-box makes it easier to install in the field and requires minimal intervention on the installation environment.

Refer to the previous page to understand the order sequence differences between an open and closed pattern.

E END SEGMENT



End cap



Horizontal flat end corner

ALG2E		
SERIES	JOINER / SWIVEL	FINISH
ALG2E	C End cap FCR Horizontal flat end corner right FCL Horizontal flat end corner left	B Black W White <small>* Inside of system is always black</small>

To finish a closed pattern, use the appropriate C corner or M 'mid segment'. To finish an open pattern, use the end cap.

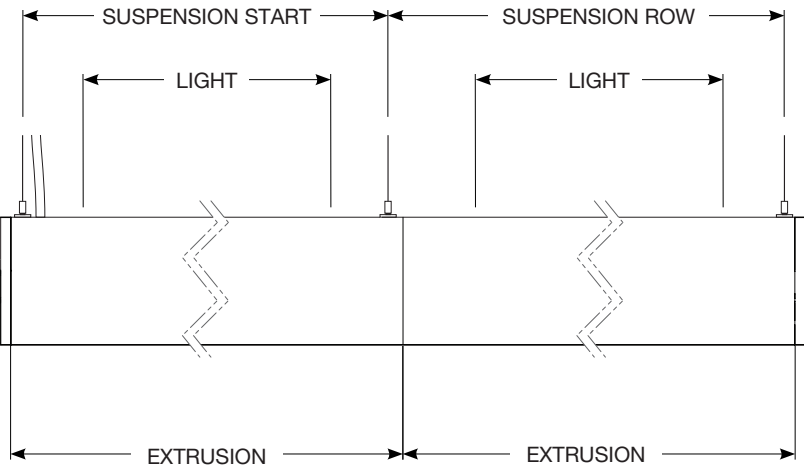
Refer to the page 2 to understand the order sequence differences between an open and closed pattern.

STANDARD ELEMENTS

Standard elements is a simplified product line comprised of 2', 4', 6' and 8' nominal length fixtures that can be joined to create continuous rows or patterns using other segments or corners.

DIMENSIONS				
	NOMINAL 2'	NOMINAL 4'	NOMINAL 6'	NOMINAL 8'
INDIRECT LENGTH	12.00"	36.00"	60.00"	84.00"
LH HIGH OUTPUT	705 lm/ft			
LS STANDARD OUTPUT	353 lm/ft			

NOMINAL LENGTH AIRCRAFT CABLE



DIMENSIONS		
		AIRCRAFT CABLE
NOMINAL 2'	SUSPENSION START	23.42"
	SUSPENSION ROW	24.00"
	EXTRUSION	24.00"
NOMINAL 4'	SUSPENSION START	47.42"
	SUSPENSION ROW	48.00"
	EXTRUSION	48.00"
NOMINAL 6'	SUSPENSION START	71.42"
	SUSPENSION ROW	72.00"
	EXTRUSION	72.00"
NOMINAL 8'	SUSPENSION START	95.42"
	SUSPENSION ROW	96.00"
	EXTRUSION	96.00"

For more information on mounting lengths, go to the aircraft cable mounting length segment.

MAXIMUM MODULE QTY. PER POWER DROP

Maximum quantity of modules per power drop are calculated by dividing the maximum DC load (100W) by the DC power consumption per module. For example, a maximum of 7 "ALIGN ALTA 45" at high output can be powered by a single power feed: $100W \div 13.3W = \approx 7$ units. A variety of different modules are available and combining several modules is possible and recommended.

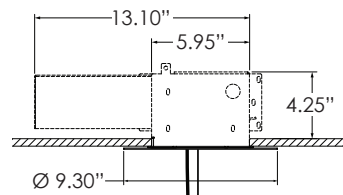


Need several power drops for more modules or rows?
Have questions?
We know that having so many options can be overwhelming. Please reach out to our factory for any specific requests or questions you have. Our talented Design Assist team is here to help.

OUTPUT	MODULE	DC POWER	MAX QTY.
LH HIGH OUTPUT	PACE (22°-55°)	17.0 W	5
	PACE HE TECH	13.0 W	7
	ALTA 45	13.5 W	7
	ALTA 55	18.5 W	5
	STRIDE (RS - SQ)	11.0 W/ft	9 ft
LS STANDARD OUTPUT	PACE (22°-55°)	10.0 W	10
	PACE HE TECH	7.00 W	14
	ALTA 45	6.5 W	15
	ALTA 55	10.5 W	9
	STRIDE (RS - SQ)	-	-

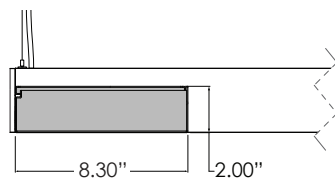
COMPONENT DIMENSIONS

RECESSED J-BOX

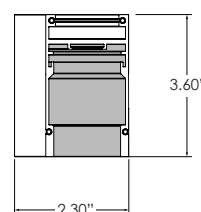


Recessed j-box depth: 5.95"

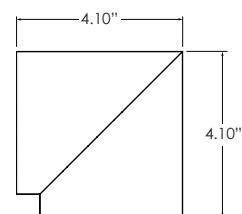
INTEGRATED J-BOX



FLAT CORNER



UP/DOWN CORNER



LIGHT DISTRIBUTION

DISTRIBUTION

Indirect Symmetric

OUTPUT

LH High output 5.8W/ft
LS Standard output 2.8W/ft
C_ Custom tuned output - specify wattage

LIGHT LOSS FACTORS (LLF)

CRI	CCT	FACTOR
80+	4000K	Baseline
80+	3500K	99%
80+	3000K	95%
90+	4000K	83%
90+	3500K	83%
90+	3000K	84%

Factors above for high output (LH).

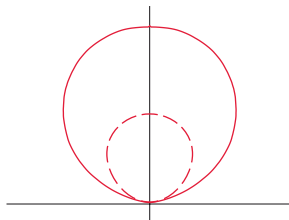
ALIGN INDIRECT PHOTOMETRIC DATA

INDIRECT SYMMETRIC

LH - 4000K

Lumens: 705 lm/ft
Input watts: 5.8W/ft
Efficacy: 121lm/W

LH ———
LS - - - - -

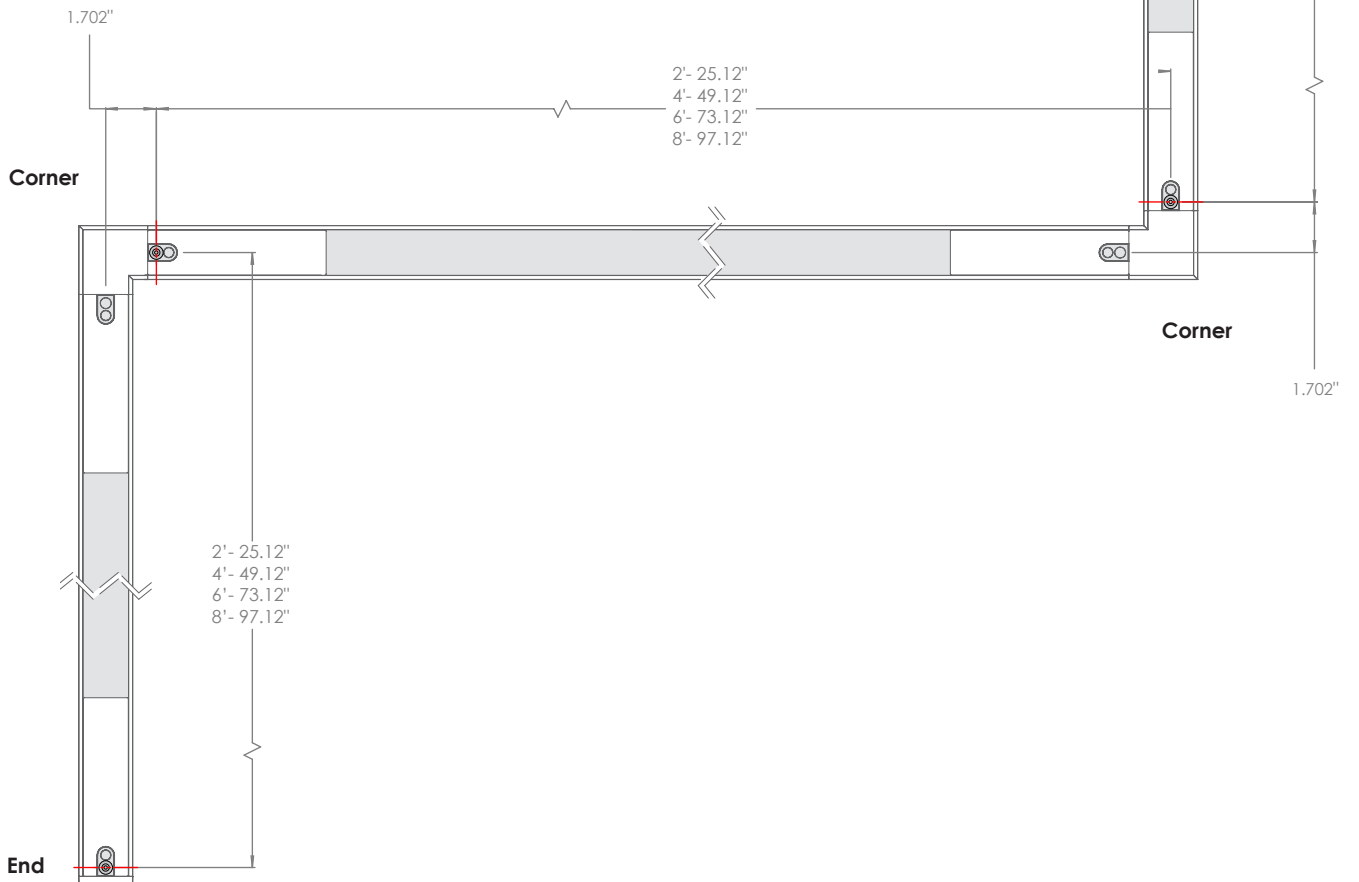
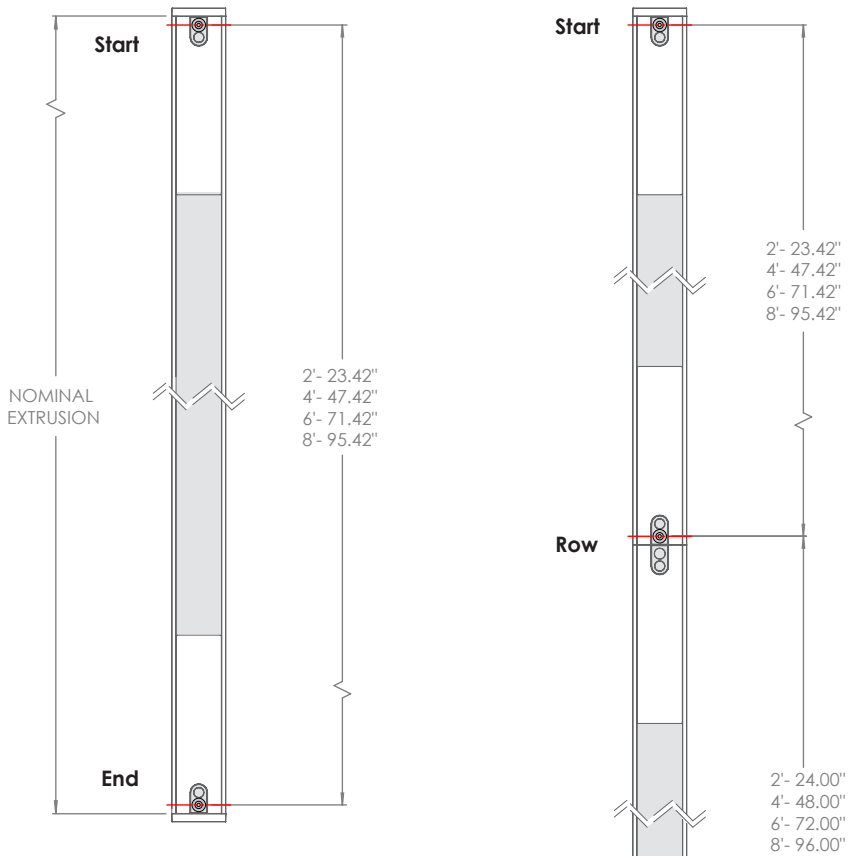


NOMINAL EXTRUSION DIMENSIONS	
	SUSPENDED
NOMINAL 2'	24.00"
NOMINAL 4'	48.00"
NOMINAL 6'	72.00"
NOMINAL 8'	96.00"

Dimensions are always calculated from the center of the aircraft cable

Refer to aircraft cable installation sheet to properly install your mounting points

Refer to shop drawings for exact segment dimensions



LINEAR DIMENSIONS

Align 2 - Nominal length available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

Align 3 - Nominal length to the nearest inch available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

Align 5 - Nominal length to the nearest inch available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

Alta - Linear length of module is 6.50"

Pace - All pace modules are 12.40" long.

Stride - Stride is offered in 1', 2', 3' and 4' nominal length. Consult the factory for custom solutions.

OPTICS

Alta - Both Alta projectors offer 1 narrow and 1 wide beam angle.

Pace - Precise 0.5" baffled optics offer precise regressed lighting with a 22°,55° beam angle and A-light's proprietary HE Tech™ for a softer lambertian illumination.

Stride - Beautifully evenly diffused lens offered in 2 shapes, rounded and square, that can be dropped by half an inch on site without any tools.

Indirect - Diffuse dust cover for a wide lambertian distribution.

LED LIGHT SOURCE

All LEDs in this system are Nichia® LED combined with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, and High outputs. Refer to photometry for delivered lumens.

LED DRIVER

Standard 48V constant voltage universal 120-277V electronic driver provide power to DC to DC drivers that control the individual light sources Max Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 70°C, maximum case temperature of 90°C. Electrical specifications at maximum driver load: PF >0.90, THD <2.0%, 92% Efficiency.

DIMMING CONTROLS

0-10V - The DC to DC drivers in each direct modules and indirect segment provide standard 0-10V dimming. Each Direct module can be individually tuned to set max output using graded potentiometer on top of fixtures.

Wireless Casambi - Each module and indirect segment can be ordered Casambi ready. Any bluetooth enabled iOS or Android smartphone with the free Casambi app can control the dimming of one or multiple light sources wirelessly.

nLight® AIR - A simplified wireless lighting control solution that give users the ability to regulate devices on any handheld device. Using the CLARITY APP, you can pair and group devices as well as customize sensor settings.

nLight® WIRED - A collection of lighting control solutions that function wired together to adapt to a space's lighting. With a collection of sensors and switches it is possible to adapt fixtures to any environment

EMERGENCY

This luminaire is provided with a LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This emergency pack contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, by others in accordance with local code. Emergency mode provides constant power to a nominal 10W LED load for a period of 90 minutes. Please consult the factory for emergency configuration assistance. Our talented Design Assist team is always available for collaboration and specification support. Only segments with integral drivers can be emergency wired.

MOUNTING

For T-bar - rest lower fixture flange on top side of t-bar ceiling system and secure to structure with tie wires.

Gyp - lower fixture flange is attached to gyp ceiling and blocking (by others), then mudded over and/or painted by installing contractor.

Pendant - Suspension with aircraft cables. Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included.

Surface - Die-cast mounting blocks are used to provide a firm and flexible mounting option in any orientation the system might be installed in.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 4 lbs/ft approximate fixture weight.

FINISH

Electrostatically applied powder coat finish. Standard finish options include white and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for a period of one (1) year. LED products (LED boards and drivers) will be covered for a period of five (5) years. Please refer to full terms and conditions on our website.