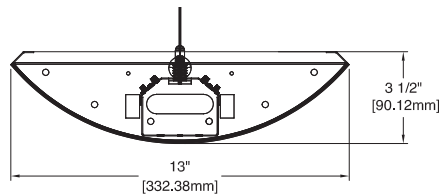


Date		Notes
Project		
Type	Qty	

### Features

- 20 gauge cold rolled steel housing and internal components
- LED optimized optics for smooth, efficient illumination.
- Individual fixtures, continuous rows or custom patterns.
- Programmable driver for custom lumen packages.
- 0-10V dimming to 1% standard. Dim-to-off available.
- DMX, Lutron and DALI protocols also available.
- Sensor Ready for wireless Smart Lighting Solutions.
- 80/90CRI, Tunable White, RGBW & RGBWW.
- Bios SkyBlue™ circadian solutions available.

**Declare** Red List Approved.



### Ordering Guide



MODEL	OPTICS	CCT <sup>1</sup>	LUMENS <sup>2</sup>	LENGTH	MOUNTING <sup>3</sup>	FINISH	OPTIONS
<b>JAZL-FE-DI</b>	<b>WOA</b>						
JAZL-FE-DI Direct/Indirect	WOA = White Opal Acrylic overlay with clear acrylic dust cover.	<b>STATIC WHITE</b> 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K  <b>BIOS SkyBlue</b> Spectrally optimized circadian solutions.  <b>TUNABLE WHITE</b> (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron  <b>DIM-TO-WARM</b> (2700K-6500K) DTW = Dim-to-Warm  <b>RGB + WHITE</b> RGB = RGB RGBW = RGBW RGBWW = RGBWW	LO = 1382/ft Indirect 120/ft Direct (10/ft, 150LPW)  SO = 1840/ft Indirect 160/ft Direct (14W/ft, 148LPW)  HO = 2290/ft Indirect 200/ft Direct (16W/ft, 150LPW)  Consult factory for additional lumen packages.  All values are nominal.	4 = 4 ft 6 = 6 ft 8 = 8 ft  For other enter row length (e.g. 48 = 48 ft)	AC = Aircraft Cable  PD = Pendant	W = White  CC = Custom Color  AMW = Anti-Microbial White	<b>DIMMING DRIVERS</b> DIM10 = 0-10V (1%) - <b>Standard</b> DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming 347 = 0-10V (347V) DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX  <b>LUTRON™ DIMMING DRIVERS</b> LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire  <b>SENSORS &amp; CONTROLS<sup>4</sup></b>  <b>EMERGENCY BATTERY<sup>5</sup></b> EPC4 = 4W Integral Battery EPC6 = 6.5W Integral Battery EPC10 = 10W Integral Battery EPC12 = 12W Integral Battery  <b>WIRING &amp; OTHER</b> EMC = Emergency Circuit GTD = Generator Transfer Device FWH = Flexible Wiring Harness DWH = DMX Wiring Harness

<sup>1</sup>All LED, BIOS, Tunable White, DTW, and RGB/W options and Ordering Codes page 2.  
<sup>2</sup>Lumens at 80CRI, 3500K, FL lens. Photometry page 5. Custom lumens may be specified at an level below HO.  
<sup>3</sup>See page 2 for mounting option details.  
<sup>4</sup>All Sensor & Control options page 2.  
<sup>5</sup>EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

**BAA** letter of compliance available at [www.dayolite.com](http://www.dayolite.com). Please consult factory for **BABAA** requests.

## LED, BIOS, Sensor & Control Ordering Codes

### LED

#### Static White

30 = 3000K 80 CRI  
35 = 3500K 80 CRI  
40 = 4000K 80 CRI  
50 = 5000K 80 CRI

927 = 2700K 90 CRI  
930 = 3000K 90 CRI  
935 = 3500K 90 CRI  
940 = 4000K 90 CRI

#### Tunable White<sup>1</sup> (2700K-6500K)

2DIM10 = 0-10V 80 CRI  
2DMX = DMX 80 CRI  
2CAS = Casambi Wireless 80 CRI  
2ESN = Philips EasySense 80 CRI  
2LUT = Lutron (LD2) 80 CRI

92DIM10 = 0-10V 90 CRI  
92DMX = DMX 90 CRI  
92CAS = Casambi Wireless 90 CRI  
92ESN = Philips EasySense 90 CRI  
92LUT = Lutron (LD2) 90 CRI

#### Dim-to-Warm<sup>2</sup>

DTW = 6500K-2700K 80 CRI  
9DTW = 6500K-2700K 90 CRI

#### RGB/W<sup>3</sup>

RGB = RGB only  
RGB27 = RGB w/2700K  
RGB30 = RGB w/3000K  
RGB35 = RGB W/3500K  
RGB40 = RGB w/4000K  
RGB50 = RGB w/5000K  
RGBWW = RGB w/2700K-6500K

#### Single Color<sup>4</sup>

RED = Red  
BLU = Blue  
GRN = Green  
AMB = Amber

### BIOS SkyBlue

BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to target the region that drives wellness benefits including increased alertness, enhanced productivity, better mood, and better sleep. More information may be found at [www.bioslighting.com](http://www.bioslighting.com) or by contacting Day-O-Lite directly. All options for 0-10V control.

#### BIOS Biological Static

For daytime applications. BIOS Static Biological LED features key BIOS SkyBlue (490nm) for maximum daytime circadian impact.

B30 = 3000K  
B35 = 3500K  
B40 = 4000K

#### BIOS Biological Dynamic White

Designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30D = 3000K-2700K  
B35D = 3500K-3000K  
B40D = 4000K-3500K

#### BIOS Biological Tunable White

Designed to transition from daytime to evening in a tunable white protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30T = 3000K-2700K  
B35T = 3500K-2700K  
B40T = 4000K-2700K

### Sensors & Controls

#### Sensors\*

AVO = Avi-On Occ/Day  
AVM = Avi-On Occ (Microwave)  
BNV = BubblyNet Occ/Day  
ENC = Encelium Occ/Day  
ENL = EnLighted Occ/Day/Temp  
LEG = Legrand Occ/Day  
ANW = Lutron Athena Occ/Day  
VIVE = Lutron Vive Occ/Day  
NLT = Acuity nLight Occ/Day  
NXC = Current NX Occ/Day  
ESN = Philips EasySense Occ/Day  
WVL = Cooper WaveLinX Occ/Day

#### Wireless Control\*

CAS = Casambi

#### Other Options

Other sensor and wireless control options are available. Contact factory for details.

\*Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).

<sup>1</sup>Tunable white may be controlled by a number of dimming protocols as shown. The 2ESN Philips EasySense option includes daylight and occupancy sensing plus tunable white control through wireless switches (by others; i.e. Philips, Illumra).

<sup>2</sup>Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed. Simply lower the intensity and CCT changes from high to low. Compatible with most 0-10V dimmers (by others). Ideal for hospitality, restaurants and living facilities.

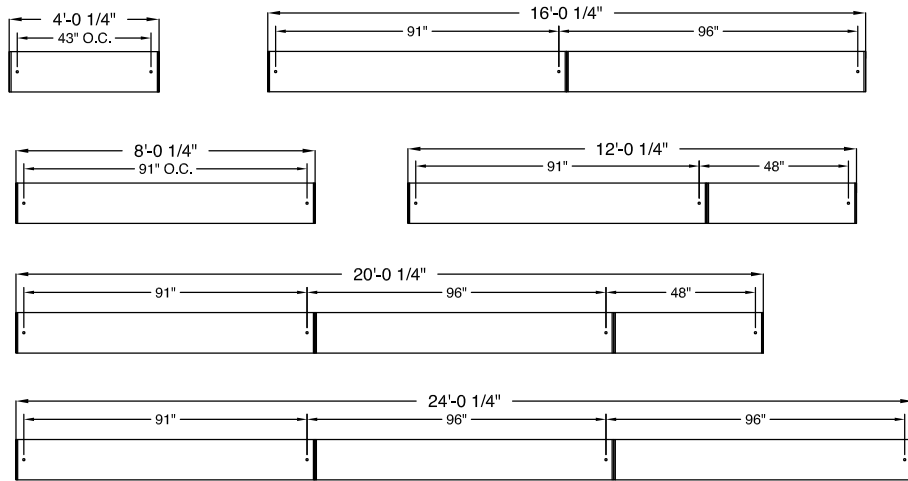
<sup>3</sup>All RGB, RGBW and RGBWW options for DMX control (by others). 80 CRI standard.

<sup>4</sup>Single colors are constant voltage LEDs. Dimming requires ELV controller (by others).

### Individual Fixtures & Continuous Rows

NOMINAL LENGTH	ACTUAL LENGTH	SUSP. 1 O.C.	SUSP. 2 O.C.	SUSP. 3 O.C.
4'	4' 1/4"	43"		
8'	8' 1/4"	91"		
12'	12' 1/4"	91"	48"	
16'	16' 1/4"	91"	96"	
20'	20' 1/4"	91"	96"	48"
24'	24' 1/4"	91"	96"	96"

Individual fixtures up to 8' nominal, continuous rows up to 24' and suspension centers are dimensioned as shown below. Continuous rows longer than 8' and patterns including EPC/EMC and sensor locations must be approved prior to manufacturing.

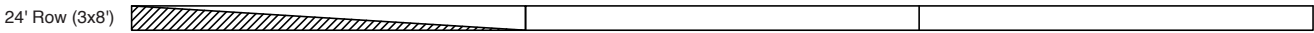


### Emergency & Sensor Locations

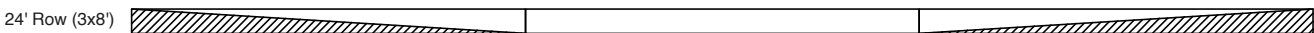
EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally specified, unless dimmed at time of power loss. Consult factory for EMC dimming override device.



For individual fixtures to 8' EPC/EMC will power entire fixture.



For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.



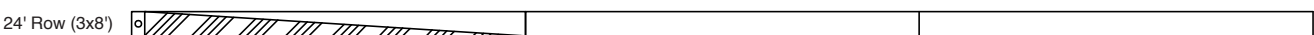
If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.



Custom placement of one or more EPC/EMC's must be clearly identified during ordering.



SENSORS (Integral) for individual fixtures will control entire length of fixture and will be located on feed end of fixture.

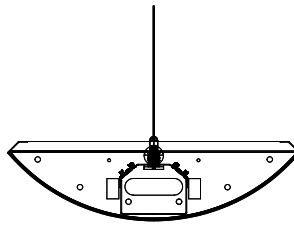


SENSORS for rows by default will control the feed section (end-left) of the row. Sensors can control more than an 8' section within a row. Consult factory for sensor/section options, or for multiple sensors in a continuous row.

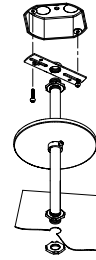
## Standard Suspensions

Standard suspension options include adjustable self-locking aircraft cables (AC) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed.

PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed by others, 24" is standard. Consult factory for longer suspension lengths and other mounting options.



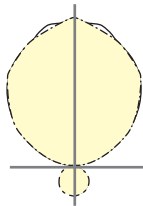
AC = Aircraft Cable



PD = Pendant Stem

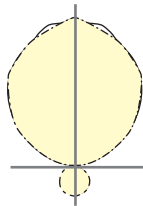
## Photometry

JAZL-FE-DI-SI-40-LO-4



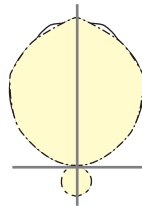
CCT: 4000K  
WATTS: 40  
LUMENS: 6013  
LPW: 150  
Distribution:  
8% Direct  
92% Indirect

JAZL-FE-DI-SI-40-SO-4



CCT: 4000K  
WATTS: 54  
LUMENS: 8007  
LPW: 148  
Distribution:  
8% Direct  
92% Indirect

JAZL-FE-DI-SI-40-HO-4



CCT: 4000K  
WATTS: 66  
LUMENS: 9963  
LPW: 150  
Distribution:  
8% Direct  
92% Indirect

4000K @ 80CRI, 4'.

Use the following multipliers for other CCTs: 2700K x 0.94, 3000K x 0.96, 3500K x 0.98, 5000K x 1.03. IES files @ [www.dayolite.com](http://www.dayolite.com)

## Specifications

**CONSTRUCTION:** Die-formed, 20-gauge, cold rolled steel.

**REFLECTOR:** Highly reflective, die-formed steel finished in baked white enamel is standard.

**OPTICS:** Perforated optics with diffuse acrylic overlays. Clear acrylic dust covers.

**LED:** Static white LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum  $L_{70} = 50,000$  hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW, RGBWW, and Dim-to-Warm options available; field replaceable.

**DRIVER:** Standard driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 120/277V input, PF > 90%, THD < 20 @ 120V. DMX, DALI & Lutron protocols available. All drivers prewired for connection to control system (by others); field replaceable.

**MOUNTING** Standard options include adjustable self-locking aircraft cables (AC), and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 18 gauge power and 22 gauge dimming control SJT feed.

**FINISH:** Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process. Canopies and pendant stems are white enamel unless otherwise specified.

**CERTIFICATION:** cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America. I.B.E.W. RoHS and BAA compliant; contact factory for BABAA requests. Declare Red List Approved.

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