Alphalite Inc.

| | |
|---|---|
| PROJECT | |
| TYPE | DATE |
| ITEM NO. | |
| NOTE | |

# ARCHITECTURAL LED LINEAR-DIRECT

## ILA Series
LED Linear Luminaire

## DESCRIPTION

The Alphalite ILA Series makes it an ideal choice for size-restricted architectural applications. The ILA Series can be the illumination solution in commercial, industrial, retail, and residential applications. Fixtures can be used in storage/utility areas, coves, display cases, shops, tasks, and general area lighting.

**APPLICATION**
A versatile solution for general purpose applications. Ideal for parking garages, corridors, hallways, stairwells, offices, closets, storage rooms, and spaces that demand energy demand reduction and high-quality light.

0-10V Continuous DIMMING DLC LISTED

c ETL LISTED us

## SPECIFICATION FEATURES

**Benefits**
- Lower installation costs and maintenance costs
- CCT field adjustable
- High quality light for a more productive space
- Multiple mounting options
- Convenient access to replaceable, standard components reduces life cycle costs

**Construction**
Housing constructed of extruded aluminum. Polycarbonate diffuser lens provides even and consistent light while eliminating pixelation and glare. Toolless removal of diffuser allows access to LED array. LED module and driver are replaceable. Housing and optics maintain damp location rating with all internal components.

**Finish**
Highly reflective finish. Baked paint applied after fabrication.

**Electrical**
120-347V input voltage for increased versatility. 0-10V continuous dimming comes standard. Ideal when used in conjunction with controls and sensors. Comes equipped with a quick disconnect for compliance with US code.

**Optics**
The LED light engine and integrated optics deliver enhanced light quality and distribution. Diffuser and reflector are designed LED light consistently, reducing glare and pixelation. The beam angle of direct light is 110°.

**Certifications / Regulatory**
cETLus, IC rated, DLC5.1 Standard Listed. (6FT DLC is not listed)

**Warranty**
5-year limited warranty. See complete warranty terms for details.

### Quick Ship Product

**ILA-4DB(40)-8AK-BK**
**ILA-4DB(40)-8AK-WH**
**ILA-8DB(70)-8AK-BK**
**ILA-8DB(70)-8AK-WH**

## ORDERING INFORMATION

**Sample Number: ILA-4DB(40)-8AK-WH**

| Series | Length | Lumen Package | | | | CRI | CCT |
|---|---|---|---|---|---|---|---|
| **ILA** - Architectural LED Linear | **2** - 2' | **2'** | **4'** | **6'** | **8'** | **8** - 80+ CRI | **AK** - Adjustable CCT (4000/3500/3000K) |
| | **4** - 4' | **2DB(20)** - 20W, 2600lm | **4DB(40)** - 40W, 5200lm | **6DB(50)** - 50W, 6500lm | **8DB(70)** - 70W, 9100lm | **9** - 90+ CRI | |
| | **6** - 6' | Note: check the details as energy performance data. | | | | | |
| | **8** - 8' | | | | | | |

| Optics | Control Option | Emergency Backup | Color | Assembly in USA |
|---|---|---|---|---|
| **(Blank)** - Diffuser with 110°x110° | **OS** - Step dimming PIR motion sensor and daylight sensor | **EM15W** - 15W constant power with integrated self-diagnostic test | **WH** - White | **(Blank)** - Non-BAA |
| **P** - Parabolic lens (UGR<19) | **MMS** - Step dimming Microwave Sensor and daylight sensor | **EM700** - 700lm | **BK** - Black | **BAA** - Assembly in USA |
| **BA** - Batwing distribution | **AWNR** - Lutron Athena wireless node integral fixture control (RF only) | **EM1400** - 1400lm | | |
| **WW** - Wall Wash distribution | **AWNS** - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing) | | | |
| | Remarks: Sensor configuration tool remote control required,not included | | | |

### Accessories

**Connector**
**ILA-LDB(20)** - L shape connector
**ILA-TDB(30)** - T shape connector
**ILA-XDB(40)** - X shape connector

**Mounting**
**Suspension Mount**
**ILA-ACC-(6/12)** - 6.5ft or 12ft Aircraft cable without canopy
**ILA-PSCA-CRD7-(WH/BK)** - Canopy with AC cable K/O + AC cable + 6.5ft aircraft cable
**ILA-SCA-(WH/BK)** - Canopy + 6.5ft aircraft cable
**Pendant Mount**
**ILA-PMK-(WH/BK)** - Pendant mount kit, suitable for 3/8" and 1/2" OD stem (Stems not provided)
**Wall Mount**
**ILA-WMKB-(WH/BK)** - B version wall mount kit (Factory modification required)
**ILA-WMKC-xFT-(WH/BK)** - C version wall mount kit
**Surface Mount**
**ILA-SMK-xFT-(WH/BK)**- Surface mount kit
**Ceiling Recessed Mount**
**ILA-TRIMS-xFT-(WH/BK)** - Trim for recessed mount
**ILA-MSC** - Springs clips kit (Factory installed and TRIMS required)
**ILA-TR** - T-bar recessed mount kit (TRIMS optional)
**ILA-FR** - Frange recessed mount kit (TRIMS optional)
**ILA-CRD7-(WH/BK)** - 7ft 5 cords AC cable in (white or black) color with connector
**ILA-CRD13-(WH/BK)** - 13ft 5 cords AC cable in (white or black) color with connector
**ILA-SMK-xFT-(WH/BK)** - Surface mount kit
**ILA-CRD7-300-EM-(WH/BK)** - 7ft 6 cords 300V AC cable in (white or black) color with connector
**ILA-LB** - Linking bracket
**ILA-UCOVER-(WH/BK)** - U cover for connection, 100% no light lack

## SUMMARY

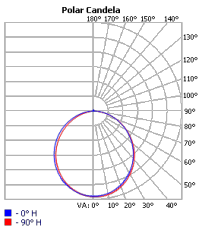
| | |
|---|---|
| Input Voltage | 120-347V |
| Input Power | 20-70W |
| Efficiency | >115LPW |
| Color Temp. | 4000K/3500K/3000K Selectable |
| CRI | >80 |
| Power Factor | >0.90 |
| Dimmable | Full Range 0-10V dimming standard |
| Dimming Range | 10-100% |
| Operating Temp. | -22°F to 122°F (-30°C to 50°C) |
| Rated Life | 50,000 hours |

## ENERGY PERFORMANCE DATA

| Part No. | Housing Finish | Rated Wattage(W) | Delivered Lumen(lm) | Efficacy (lm/W) |
|---|---|---|---|---|
| ILA-2DB(20)-8AK | WH | 20 | 2600 | 120 |
| | BK | | 2340 | 117 |
| ILA-4DB(40)-8AK | WH | 40 | 5200 | 130 |
| | BK | | 4680 | 117 |
| ILA-6DB(50)-8AK | WH | 50 | 6500 | 130 |
| | BK | | 5850 | 117 |
| ILA-8DB(70)-8AK | WH | 70 | 9100 | 130 |
| | BK | | 8190 | 117 |

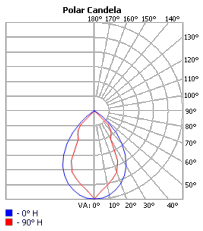
## OPTICS

Standard Diffuser



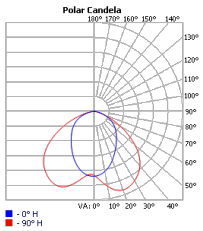

Beam Angle110°x110°

Parabolic



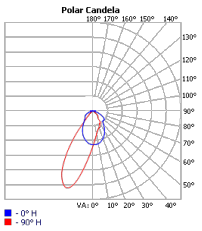

Beam Angle 55°x80°

Batwing




Beam Angle 115°x95°

Wall Wash

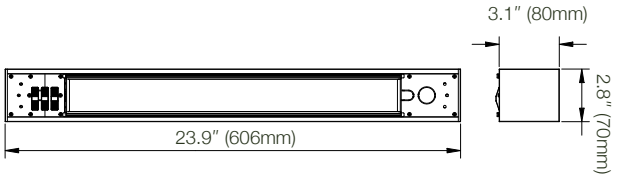



Beam Angle 30°x70°

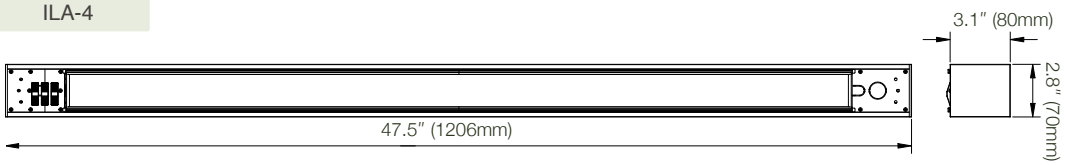
# PHYSICAL PARAMETERS

## DIMENSION

ILA-2

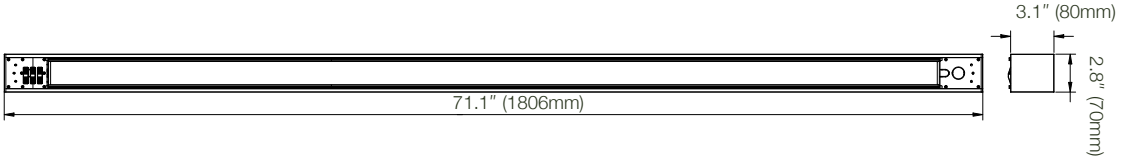



ILA-4

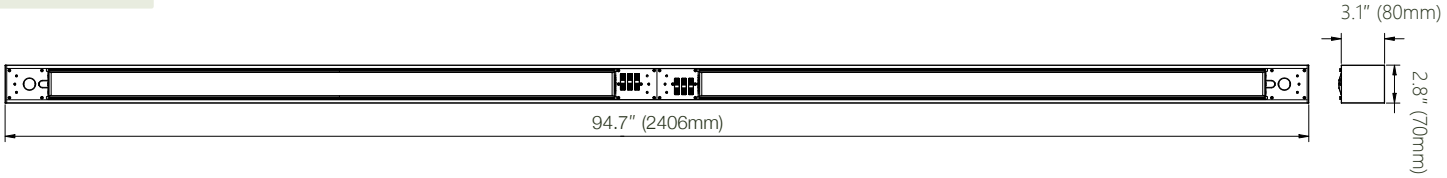


## DIMENSION

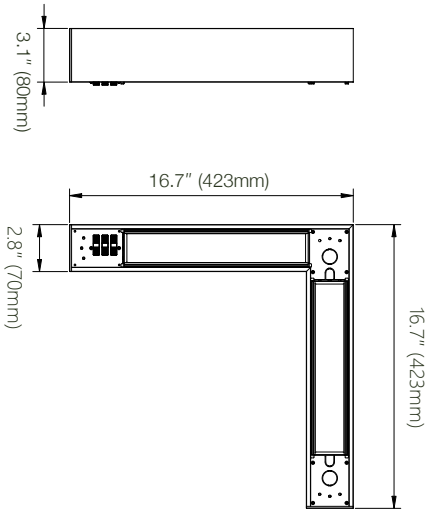
### ILA-6



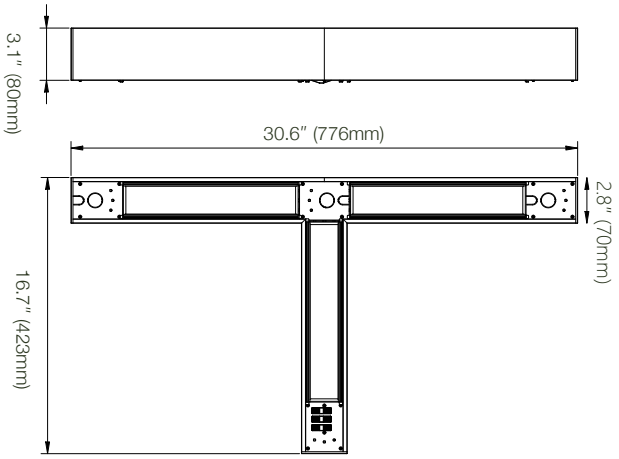

### ILA-8



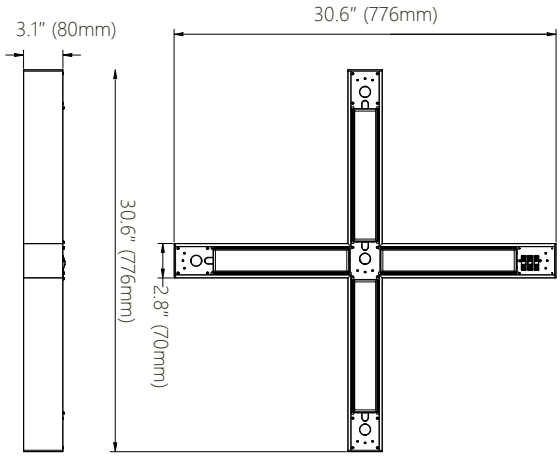

### ILA-L



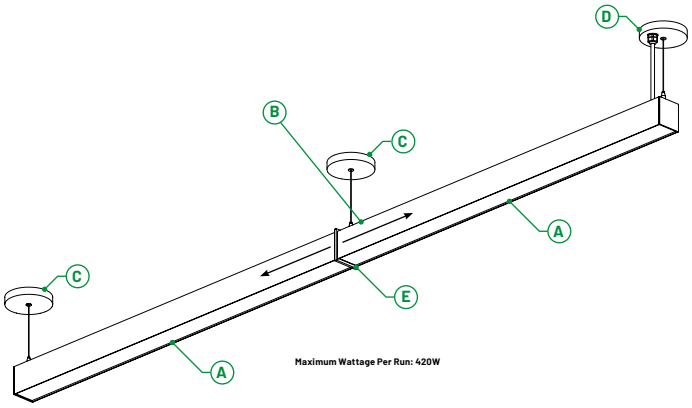

### ILA-T



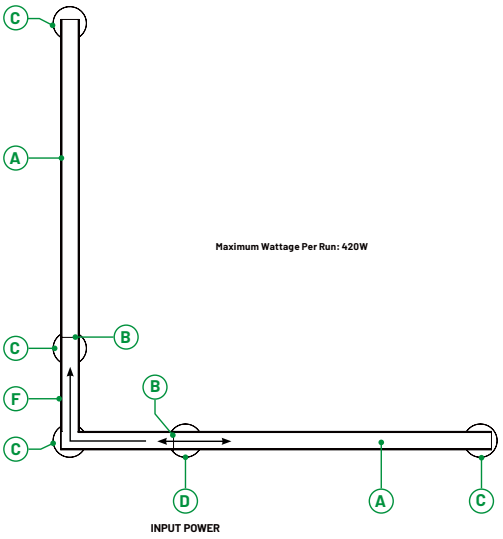

### ILA-X



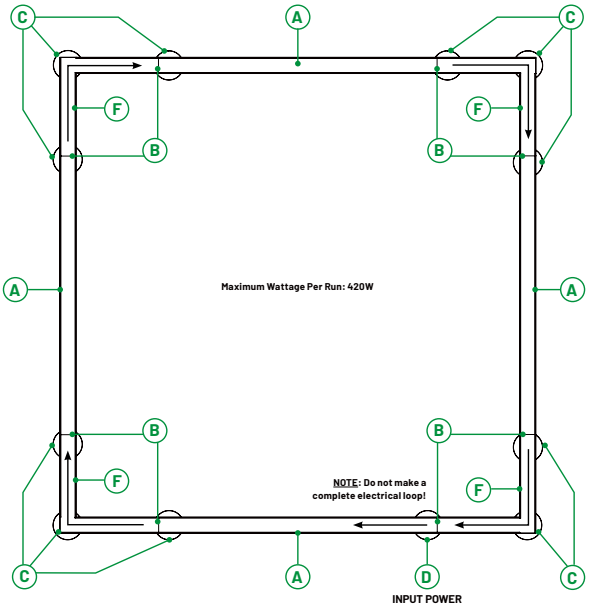
## LINEAR MULTI-DIRECTIONAL LAYOUT




| | Part Number | Description | Quantity |
|---|---|---|---|
| A | ILA-2/4/6/8ft | ILA Linear Direct/Indirect Fixture | 2 |
| B | ZCN-ILA-xFT | Fixture End Linkable Connector Kit, x=ft | 1 |
| C | ILA-SCA | Surface Canopy + 6.5ft Aircraft Cable | 2 |
| D | ILA-PSCA-CRD7 | Surface Canopy with AC cable K/O + 6.5ft Aircraft Cable + 18CWG 600V 5 wires 7ft AC Cable | 1 |
| E | ILA-UCOVER | U-cover(Optional) | 1 |




| | Part Number | Description | Quantity |
|---|---|---|---|
| A | ILA-2/4/6/8ft | ILA Linear Direct/Indirect Fixture | 2 |
| B | ZCN-ILA-xFT | Fixture End Linkable Connector Kit, x=ft | 2 |
| C | ILA-SCA | Surface Canopy + 6.5ft Aircraft Cable | 4 |
| D | ILA-PSCA-CRD7 | Surface Canopy with AC cable K/O + 6.5ft Aircraft Cable + 18CWG 600V 5 wires 7ft AC Cable | 1 |
| F | ILA-LDXXX | L-Connector | 1 |




| | Part Number | Description | Quantity |
|---|---|---|---|
| A | ILA-2/4/6/8ft | ILA Linear Direct/Indirect Fixture | 4 |
| B | ZCN-ILA-xFT | Fixture End Linkable Connector Kit, x=ft | 8 |
| C | ILA-SCA | Surface Canopy + 6.5ft Aircraft Cable | 11 |
| D | ILA-PSCA-CRD7 | Surface Canopy with AC cable K/O + 6.5ft Aircraft Cable + 18CWG 600V 5 wires 7ft AC Cable | 1 |
| F | ILA-LDXXX | L-Connector | 4 |