OVERVIEW

The FALC series Outdoor Area Lights are designed for pole mounting and come standard with 10KA surge protector, IoT Ready NEMA 7-prong receptacle with short-cap. They feature uniform illumination, low-profile design, high efficacy, long lifespan, and easy installation. The one-piece die-cast aluminum housing with UV resistant powder coat finish offers outstanding corrosion protection.

- Limited Warranty: 5 Years
- Efficacy: up to 137 LPW
- Lumen Output: 10,300 - 40,800 LM
- Wattage: 80 - 300 W

DLC QPL LISTED   **c UL us LISTED E473037**   **IoT READY**

APPLICATIONS

Ideal for use in various commercial environments such as auto dealerships, parking lots, walkways, roadways, campuses, façade lighting, grocery stores and other public areas.

Project:	Type:
Prepared By:	Date:

Models

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
FALC080	80	10,592	132
FALC100	100	13,077	131
FALC150	150	19,185	130
FALC200	200	26,200	131
FALC240	240	31,989	130
FALC300	300	39,827	130

*Lumen Output based on universal voltage models at 5000K, Type III Lens
Also available in Color Temperatures of 4000K, 4500K, and 5700K.

Technical Specifications

Warranty

Paclights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

Qualifications

UL Listed:
E473037

IESNA LM79 & LM-80 Testing:
Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Qualification:
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

Construction

IP Rating:
Ingress Protection rating of IP65 for dust and water

Ambient Temperature:
Suitable for up to 113° F (45° C) ambient temperature

Cold Weather Starting:
The minimum starting temperature is -40° F (-40° C)

Thermal Management:
Superior thermal management with external Air-Flow fins.

Housing:
Die-cast aluminum housing

Mounting Methods:
Various Mounting Options

Green Technology:
Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Gaskets:
Silicon Gaskets

Finish:
Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Lens:
Polycarbonate

LED Characteristics

Lifespan:
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:
Multi-chip, high-output, long-life LEDs

Color Stability:
LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Temp:
4000K(Netural White), 4500K, 5000K(Daylight), 5700K

Color Uniformity:
Paclights range of CCT follows the guidelines of the American National Standards for the Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANCI c78.377.2011

Color Rendering Index:
>70

Electrical

Drivers:
LV models: 100-277V, HV models: 277-480v, 50-60Hz
1-10 V Dimmable, Power Factor > 0.9, THD<15%;

Surge Protection:
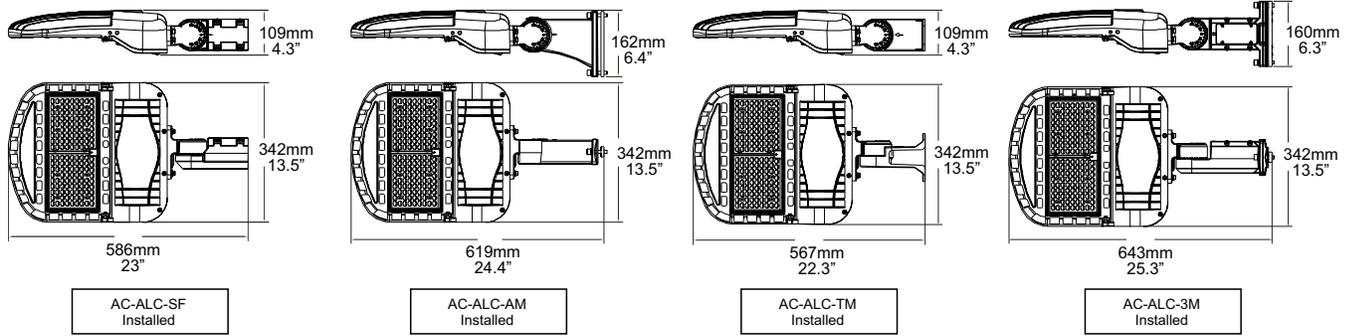10KA Surge Protector included;

NEMA Receptacle:
7-pin twist lock receptacle included, with short-cap; compatible with 3/5/7 pin PhotoSensor or IoT controls.
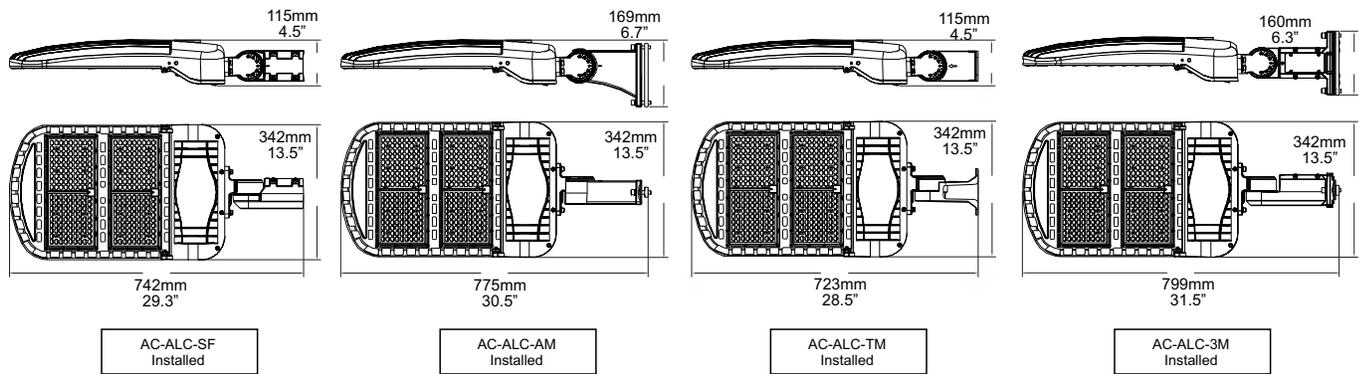
Ordering Matrix

Model	Wattage	Color Temperature	Voltage	Lighting Distribution	Mount	Housing Color	Optional Add-ons
FALC	080	50	LV	T3	SF	BZ	PS277
	080 = 80 W	**40** = 4000 K	**LV** = 100-277V	**T3** = Type III (150°x90°) [default]	**SF** = Slipfitter Mount	**BZ** = Dark Bronze	**PS277** = 120-277v Photocell Sensor
	100 = 100 W	**45** = 4500 K	**HV** = 277-480V	**T4** = Type IV (140°x80°)	**TM** = Trunniun Mount	**WH** = White	**PS480** = 480v Photocell Sensor
	150 = 150 W	**50** = 5000 K		**T5** = Type V (125°x160°)	**AM** = Arm (Round or Square Pole)		**MS** = Microwave Motion Sensor
	200 = 200W	**57** = 5700 K			**3M** = 3-in-1 Universal Mount		
	240 = 240 W						
	300 = 300 W						

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Note: specifications are subject to change at any time without notice

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FALC Series LED Area Light

Dimensions

FALC 080/100/150

109mm 4.3" / 342mm 13.5" / 586mm 23"	162mm 6.4" / 342mm 13.5" / 619mm 24.4"	109mm 4.3" / 342mm 13.5" / 567mm 22.3"	160mm 6.3" / 342mm 13.5" / 643mm 25.3"
AC-ALC-SF Installed	AC-ALC-AM Installed	AC-ALC-TM Installed	AC-ALC-3M Installed

FALC 200/240/300

115mm 4.5" / 342mm 13.5" / 742mm 29.3"	169mm 6.7" / 342mm 13.5" / 775mm 30.5"	115mm 4.5" / 342mm 13.5" / 723mm 28.5"	160mm 6.3" / 342mm 13.5" / 799mm 31.5"
AC-ALC-SF Installed	AC-ALC-AM Installed	AC-ALC-TM Installed	AC-ALC-3M Installed

Lens Options
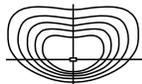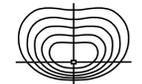
TYPE III

TYPE IV

TYPE V

Lens Ordering Matrix

Lens	Distribution
AC-ALC-LEN-	T5

T3 = Type III (150°X 90 °) [default]
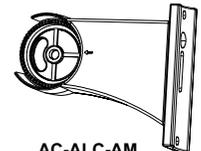**T4** = Type IV (140°X 80 °)
T5 = Type V (125° X 160°)

Lens Quantity per Fixture

One (1) Required for FALC080, FALC100, FALC150
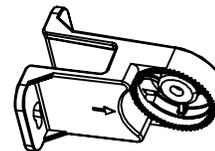Two (2) Required for FALC200, FALC240, FALC300
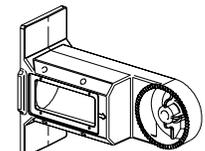
Mounting Options (all mounts angle adjustable)
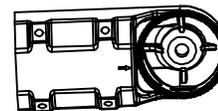
AC-ALC-SF
Slipfitter Mount
(Fits up to 2 -1/2" tennon)

AC-ALC-AM
Arm Mount
(Fits all Square or Round Poles)

**AC-ALC-TM**
Trunnion Mount
(for wall or surface mount)

AC-ALC-3M
3-in-1 Universal Mount
(slipfitter/arm/trunnion 3-in-1)

AC-ALC-MS   Microware Motion Sensor Assembly (Optional)

This motion sensor allows extra energy savings without compromising convenience. With its signature 3-step dimming function, it is perfect for use in areas that require a light change notice before optionally switching off the light. Daylight (on/off) sensor is integrated for maximum energy saving.

Hold Time adjustable:
5s / *30s* / *90s* / *3min* / *20min* / *infinity*
Daylight (ambient light threshold) adjustable:
2lux / *5lux* / *10lux* / *25 lux* / *50lux* / *100lux* / **Disable**
Stand-by period adjustable:
0s / *5s* / *5min* / *10min* / *30min* / *1h* / *infinity*
Stand-by dimming level adjustable:
10% / *20%* / *30%* / *50%*
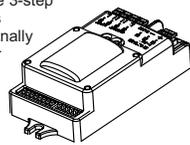
**Input: 100-277v only
for FALC-LV models only**

SE-TLP277/480   Photocell Sensor (Optional)

All FALC area lights come with NEMA Seven-Prong Twist Lock receptacle with short-cap pre-installed. The dimming control cords are also connected to the receptacle.

It compatibles with Three-Prong photocell sensors and many IoT node control devices.

Photocell sensor can be ordered to be easily field installed on the top of the FALC Series for Dusk to Dawn functionality.

SKU/Models:

SE-TLP277: 100-277v input
SE-TLP480: 480v input

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