

AL35Q DuraLED LPS Replacement PC Amber 16" Area, Wall, and Flood Light



Project Information	
Project Name: _____	Fixture Type: _____
Complete Catalog #: _____	Date: _____
Comments: _____	

The DuraGuard AL35Q luminaire is available with a wide choice of mounting configurations. **The LPS Replacement PC Amber LED** arrays are designed to provide a direct 1-to-1 replacement for 90w Low Pressure Sodium (LPS) lighting systems. Typical applications include general area, parking, flood, security, and accent lighting for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 16 to 25 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Heavy-Duty Die Cast Aluminum Housing & Front Frame, Integral Heat Sinking, Driver Compartment. Photocell Adaptable.

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS:

Tempered Clear Flat Glass Lens.

MOUNTING OPTIONS:

Mount with Two-Piece Swivel Bracket, Adjustable Slipfitter, Yoke or Wall Mount Bracket.

LPS REPLACEMENT PC AMBER LED:

Aluminum Boards. Delivers 1800K CCT and can be successfully applied on projects requiring a nominal CCT range of 1700K to 2200K CCT. See Page 3 for Spectral Chart.

WATTAGE:

126w Array: 126w, System: 137.6w; (90w SOX LPS Replacement)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

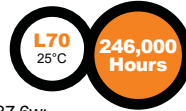
CONTROLS:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available. Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

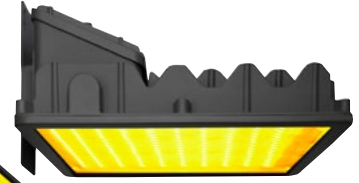
See Page 4 for Projected Lumen Maintenance Table.



Shown with MA6 Accessory.



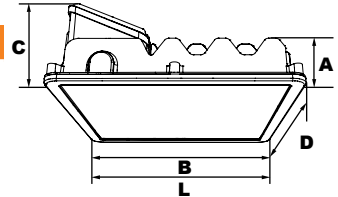
Shown with Slipfitter Option.



Shown with Wall Mount Option.

Dimensions

Width (D)	16 1/2" (419mm)
Length (B)	16 1/2" (419mm)
Height (A)	3" (76mm)
Height (C)	7" (178mm)



Length with Mount (L)

Bracket (SSB):	2 1/8" (543mm)
Slipfitter (SSF):	2 3/4" (557mm)
Yoke (LFLY):	2 1/2" (547mm)
Mounting Arm Adaptor (ALMAA):	21" (534mm)
Wall Mount Bracket (WM):	17 1/2" (447mm)

LED Low Pressure Sodium Replacement

Complete Units Ordering Information
Example: **AL35QF1X126UHACZSSBSP**

AL35Q DuraLED LPS Replacement PC Amber 16" Area, Wall, and Flood Light

AL35Q	F	1X126		HA	C			
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AL35Q=DuraLED LPS Replacement PC Amber 16" Area, Flood and Wall Light		1X126=126w	U=120-277V H=347-480V	HA=LPS Replacement PC Amber	C=Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)		
<p>F=Type V/NEMA 7H x 7V</p> <p>See Page 4 for Distribution Information.</p> <p>SSB=Two-Piece Swivel Bracket ☉ SSF=Slipfitter ☉ LFLY= Large Yoke ALMAA=Mounting Arm Adaptor WM=Wall Mount Bracket NM=No Mount</p>								

Notes
☉ Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

SF=Single Fuse*
DF=Double Fuse*
SP=Surge Protection
R3=3-Pin Twist Lock Photocell Receptacle ☉
R5=5-Pin Twist Lock Photocell Receptacle ☉
R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle ☉

*120-277V Models Only.



Specifications subject to change without notice.

AL35Q DuraLED LPS Replacement PC Amber 16" Area, Wall, and Flood Light



ADDITIONAL MOUNTING OPTIONS



AL35Q Shown with "SSB" Two-Piece Swivel Bracket, Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.



AL35Q Shown with "SSF" External Mount Slipfitter, External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.



AL35Q Shown with "LFLY" Yoke, Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.



AL35Q Shown with "ALMAA" Pole Mounting Arm Adaptor, Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.






AL35Q Shown with "WBR2" Wall Mount Bracket, Wall Bracket, Heavy-Duty Stamped Steel, Bronze Powdercoat Finish, Includes Hardware.



Notes


① Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

EPA (EFFECTIVE PROJECTED AREA) SHOWN WITH MA6 MOUNTING

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	.66	29 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	1.32	58 Lbs
 2@90° Mount	.90	58 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	1.45	87 Lbs
 3@120° Mount	1.36	87 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 4@90° Mount	1.45	116 Lbs

ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
FLEMWMZ	Stamped Heavy-Duty Steel Wall Bracket for Extruded Mounting Arms, Bronze Powdercoat Finish.
MA60Z	6" Extruded Aluminum Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Fits Square Poles. Mounts at 3° tilt.
MA100Z	10" Extruded Aluminum Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Fits Square Poles. Mounts at 3° tilt.
MA12Z	12" Extruded Aluminum Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Fits Square Poles. Mounts at 3° tilt.
PTSB1SZ	Single Pole Tenon Spoke Bracket, 2 3/4" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
PTSB290SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB390SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB3120SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB490SZ*	Quad Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTASUNVZ	Square Pole Tenon Adaptor Allows Installation of Up to 4 Fixtures, Fits 2 3/4" Vertical Tenon, Bronze Powdercoat Finish. Use with Extruded Mounting Arms.

∅Add R for Round Pole Mounting, Fits 4" & 5" Diameter Poles.

*Non-stock item. Consult factory for lead time.

Accessories (Order Separately, Field Installed)	
P18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
P18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
P18140	110-120VAC Instant Twist Lock Photocell
P18152	277VAC Time Delay Twist Lock Photocell
P18156	120-277VAC Universal Twist Lock Photocell
P18157	480VAC Time Delay Twist Lock Photocell. For 480V use only.
AL35GSZ	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
AL35WG	Wire Guard, Stainless Steel Construction, Includes Hardware.

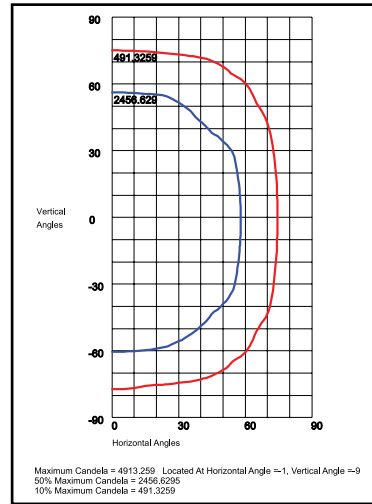
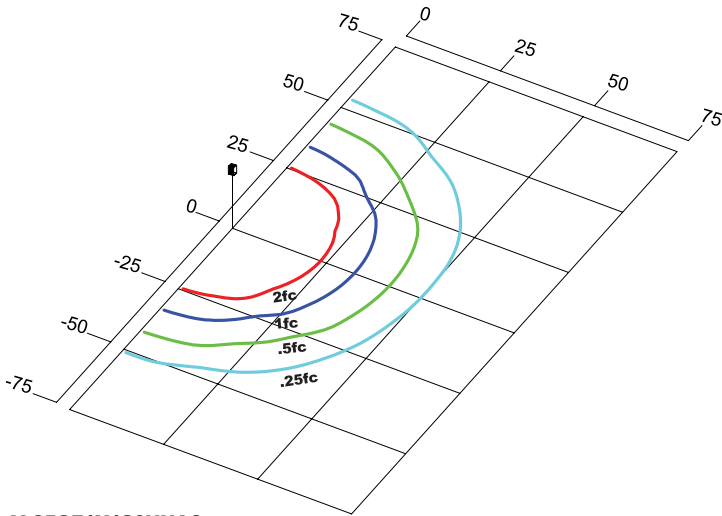
Replacement Parts (Order Separately, Field Installed)	
AL35GL	Tempered Clear Flat Glass Lens.
SSBZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
AL35YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
SSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
ALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
WBR2Z	Wall Bracket, Heavy-Duty Stamped Steel, Bronze Powdercoat Finish, Includes Hardware.

Specifications subject to change without notice.

AL35Q DuraLED LPS Replacement PC Amber 16" Area, Wall, and Flood Light



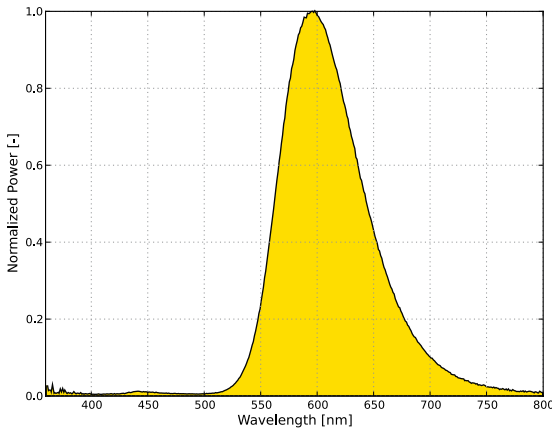
PHOTOMETRIC DATA



AL35QF1X126UHAC
Type V
 Grid in MH
 MH=25 Feet

AL35QF1X126UHAC
120°H x 120°V, NEMA 7H x 7V

SPECTRAL CHART



LPS Replacement PC Amber LEDs provide the same visual light output as traditional Low Pressure Sodium systems, but provide substantially reduced energy and maintenance costs, and increased lifespan and lumen maintenance values.

LED LPS Replacement PC Amber: Dominant Wavelength 588.8-592.6
 Low Pressure Sodium Wavelength: 589 and 589.6

AL35Q DuraLED LPS Replacement PC Amber 16" Area, Wall, and Flood Light



PHOTOMETRIC PERFORMANCE

LED Board Watts	Input Watts	Optics	LED LPS Replacement					
			Lumens	LPW	B	U	G	
LPS Replacement 126w	138	F Type V	14,573	106	3	0	1	

LED Board Watts	Input Watts	Optics	LED LPS Replacement	
			Lumens	LPW
LPS Replacement 126w	138	F 120°H x 120°V, NEMA 7H x 7V	14,534	104

PROJECTED LUMEN MAINTENANCE

Data shown for LED LPS Replacement PC Amber TM-21-11	Input Watts	Compare to LPS				
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	138	1.00	0.97	0.94	0.88	246,000

- NOTES:**
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to LPS box indicates suggested Light Loss Factor (LLF) to be used when comparing to Low Pressure Sodium (LPS) systems