AL35Q DuraLED 1800K CCT LED
16″ Area, Wall, and Flood Light

DuraGuard PRODUCTS INC.®
A QSSI Company

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Project Information

Project Name: _____

Complete Catalog #: _____

Comments: _____

Fixture Type: _____

Date: _____

Shown with MA6 Accessory.

BUY AMERICAN ACT COMPLIANT

The DuraGuard AL35Q luminaire is available with a wide choice of mounting configurations. The **1800K CCT LED** arrays are the latest alternative to Low Pressure Sodium (LPS) designed for dark sky preservation without loss of lumens. 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.

L70 25°C

246,000 Hours

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.

1800K CCT 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 1800K CCT LED)

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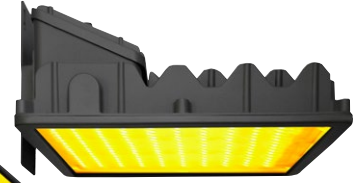5-Year Warranty for -40°C to +50°C Environment.

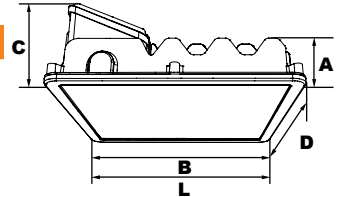See Page 4 for Projected Lumen Maintenance Table.
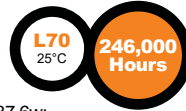
Shown with Wall Mount Option.

Shown with Slipfitter Option.

Dimensions

Width (D)	16½″ (419mm)
Length (B)	16½″ (419mm)
Height (A)	3″ (76mm)
Height (C)	7″ (178mm)

Length with Mount (L)

Bracket (SSB): 21⅜″ (543mm)
Slipfitter (SSF): 22¾″ (557mm)
Yoke (LFLY): 21½″ (547mm)
Mounting Arm Adaptor (ALMAA): 21″ (534mm)
Wall Mount Bracket (WM): 17½″ (447mm)

1800K CCT LED

Complete Units Ordering Information
Example: **AL35QF1X126UHACZSSBSP**

AL35Q DuraLED 1800K CCT LED
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AL35Q	F	1X126		HA	C			
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Mounting**	**Options**
AL35Q=DuraLED 1800K CCT LED 16″ Area, Flood and Wall Light		**1X126**=126w	**U**=120-277V **H**=347-480V	**HA**=1800K	**C**=Clear Flat Glass Lens	**Z**=Bronze **C**=Custom (Consult Factory)		
	F=Type V/NEMA 7H x 7V							

See Page 4 for Distribution Information.

SSB=Two-Piece Swivel Bracket ①
SSF=Slipfitter ①
LFLY= Large Yoke
ALMAA=Mounting Arm Adaptor
WM=Wall Mount Bracket
NM=No Mount

SF=Single Fuse*
DF=Double Fuse*
SP=Surge Protection
R3=3-Pin Twist Lock Photocell Receptacle ①
R5=5-Pin Twist Lock Photocell Receptacle ①
R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle ①

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

*120-277V Models Only.

1800K CCT LED

C CSA US

IP66

Specifications subject to change without notice.

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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 2⅜" 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 2⅜" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.*

AL35Q Shown with "WBR2" Mall 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:

PTASUNVZ **FLEMWMZ** **MA6Z**

MA10Z **MA12Z** **PTSB1SZ**

PTSB290SZ **PTSB2180SZ** **PTSB390SZ***

PTSB3120SZ* **PTSB490SZ*** **AL35GSZ**

AL35WG

Mounting Accessories (Order Separately, Field Installed)

FLEMWMZ	Stamped Heavy-Duty Steel Wall Bracket for Extruded Mounting Arms, Bronze Powdercoat Finish.
MA6◊Z	6˝ Extruded Aluminum Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Fits Square Poles. Mounts at 3° tilt.
MA10◊Z	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, 2⅜" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
PTSB290SZ	Twin Pole Tenon Spoke Bracket, 2⅜" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB2180SZ	Twin Pole Tenon Spoke Bracket, 2⅜" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB390SZ*	Triple Pole Tenon Spoke Bracket, 2⅜" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB3120SZ*	Triple Pole Tenon Spoke Bracket, 2⅜" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB490SZ*	Quad Pole Tenon Spoke Bracket, 2⅜" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTASUNVZ	Square Pole Tenon Adaptor Allows Installation of Up to 4 Fixtures, Fits 2⅜" 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)

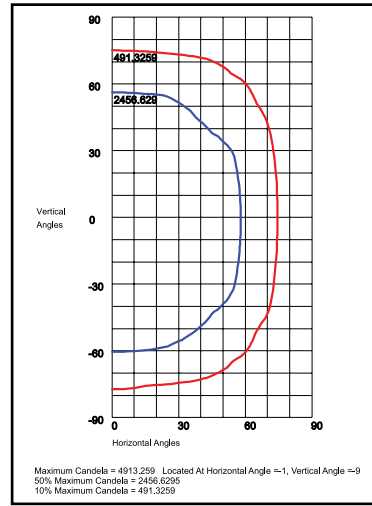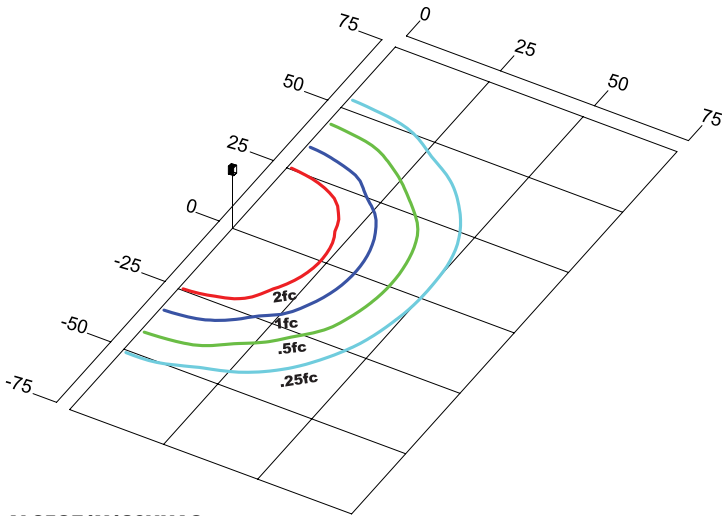|	
AL35GL	Tempered Clear Flat Glass Lens.
SSBZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
AL35YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
SSFZ	External Mount Die-Cast Adjustable Slipfitter for 2⅜" Tenons, Bronze Powdercoat Finish, Includes Hardware.
ALMAAZ	Die-Cast Adaptor for 2⅜" 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.

12802 Commodity Place • Tampa, FL 33626 • www.duraguard.com • Toll Free: (800) 736-7991

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Rev. 111822

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PHOTOMETRIC DATA

AL35QF1X126UHAC
Type V
Grid in MH
MH=25 Feet

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

Maximum Candela = 4913.259   Located At Horizontal Angle =-1, Vertical Angle =-9
50% Maximum Candela = 2456.6295
10% Maximum Candela = 491.3259

SPECTRAL CHART
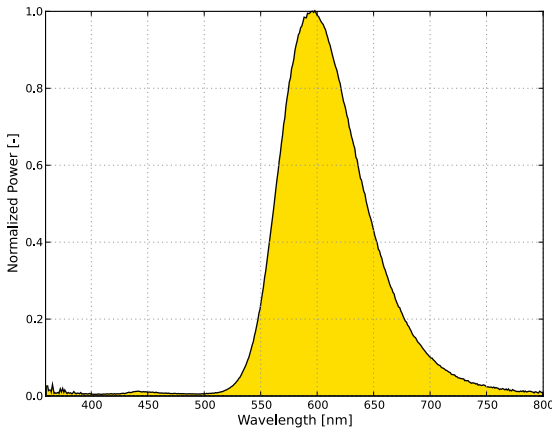
1800K CCT LEDs provide the same visual light output as traditional Low Pressure Sodium systems, but provide substantially reduced energy and maintenance costs, and increased lifespan and lumen maintenance values.

1800K CCT LED: Dominant Wavelength 588.8-592.6
Low Pressure Sodium Wavelength: 589 and 589.6

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PHOTOMETRIC PERFORMANCE

LED Board Watts	Input Watts		Optics	1800K CCT LED				
				Lumens	LPW	B	U	G
1800K CCT LED 126w	138	F	Type V	14,573	106	3	0	1

LED Board Watts	Input Watts		Optics	1800K CCT LED	
				Lumens	LPW
1800K CCT LED 126w	138	F	120°H x 120°V, NEMA 7H x 7V	14,534	104

PROJECTED LUMEN MAINTENANCE

Data shown for 1800K CCT LED			Compare to LPS			
TM-21-11	Input Watts	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

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