

AD25Q DurAdjust Area, Wall, and Flood Light



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

The DuraGuard AD25Q luminaire is available in three wattages with a wide choice of mounting configurations and an optical distribution designed to replace HID lighting systems from 150w to 400w MH or HPS. 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 14 to 25 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Die Cast Housing with Integral Heat Sinking and Front Frame. Photocell Adaptable. Includes Receptacle and Shorting Cap.

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:

Mounts with Kitty Hawk Arm, 2 3/8" Diameter Mounting Arm Adapter, Adjustable Slipfitter, Two-Piece Bracket, Easy Hang Wall Bracket or Wall Mount Box. Photocell Option Not Available When Using WB-Wall Mount Box. (Factory Installed).

DURALED LED:

Aluminum Boards

WATTAGE:

56w Array: 55.8w, System: 60.6w (150w HID Equivalent)
74w Array: 74.3w, System: 80.8w (250w HID Equivalent)
112w Array: 111.5w, System: 121.2w (400w HID Equivalent)

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.



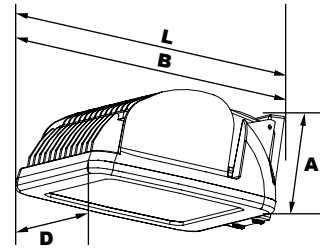
Shown with "KH25A" Kitty Hawk Arm Mounting Option



Shown with "AD25WB" Wall Mount Box Mounting Option



Shown with "SSF" Slipfitter Mounting Option.



Dimensions

Width (D)	13" (330mm)
Length (B)	10 1/2" (267mm)
Height (A)	5 1/4" (133mm)

Length with Mount (L)

- Kitty Hawk Arm (KH25A): 14 7/8" (378mm)
- Mounting Arm Adapter (ALMAA): 14 7/8" (371mm)
- Slipfitter (SSF): 14 1/2" (359mm)
- Bracket (SSB): 14 1/4" (362mm)
- Easy-Hang Wall Bracket (KHEH): 11 3/4" (289mm)
- Wall Mount Box (AD25WB): 16 3/4" (416mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: AD25QF1X112U5KCZKH25ASP

AD25Q DurAdjust Area, Wall, and Flood Light

AD25Q	F				C			
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AD25Q= DurAdjust Area, Wall, and Flood Light		1X56=56w 1X74=74w 1X112=112w	U=120-277V H=347-480V	3K=3000K* 4K=4000K 5K=5000K	C=Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)		
	F=Type V/NEMA 7H x 7V			*56w Model Only.				
	See Page 3 for Distribution Information.							
								KH25A=Kitty Hawk Arm ALMAA= Mounting Arm Adapter SSF= Slipfitter SSB=Two-Piece Swivel Bracket KHEH= Easy-Hang Wall Mount AD25WB=Wall Mount Box NM=No Mount

- SF=Single Fuse (120-277V Only)
- DF=Double Fuse (120-277V Only)
- 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



DesignLights Consortium™
Qualified Luminares:
AD25QF1X75U5KC*
AD25QF1X112U5KC*



Specifications subject to change without notice.

AD25Q DurAdjust Area, Wall, and Flood Light



ADDITIONAL MOUNTING OPTIONS



AD25Q Shown with "KH25A" Kitty Hawk Mounting Arm, Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.



AD25Q Shown with "ALMAA" Pole Mounting Arm Adaptor, Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



AD25Q Shown with "SSF" External Mount Slipfitter, External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.



AD25Q Shown with "SSB" Two-Piece Swivel Bracket, Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.



AD25Q Shown with "KHEH" Easy-Hang Wall Bracket, Die-Cast Easy-Hang wall bracket, Bronze Powdercoat Finish, Includes Hardware.



AD25Q Shown with "AD25WB" Wall Mount Box, Die-Cast Wall Mount box, Allows Housing to Swivel 0° Up to 30°, Bronze Powdercoat Finish. Twist-Lock Photocell Option Not Available with this Mounting.

EPA (EFFECTIVE PROJECTED AREA) SHOWN WITH MOUNTING ARM

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	0.70	18 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
2@180° Mount	1.40	36 Lbs
2@90° Mount	0.952	36 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
3@90° Mount	1.54	54 Lbs
3@120° Mount	1.40	54 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
4@90° Mount	1.54	72 Lbs

ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
KH20RPZ	Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with Kitty Hawk Mounting Arm only.
KH20WMZ	Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with KH25A Kitty Hawk Mounting Arm only.
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.

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
P18150	120VAC Time Delay 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.
AD25GSZ	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
AD25WG	Wire Guard, Stainless Steel Construction.

Replacement Parts (Order Separately, Field Installed)	
KH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
ALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
SSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
SSBZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
KHEHZ	Easy-Hang Wall Bracket, Bronze Powdercoat Finish
AD25WBZ	Die-Cast Wall Mount Box, Allows Housing to Swivel 0° Up to 30°, Bronze Powdercoat Finish. Twist-Lock Photocell Option Not Available with this Mounting.

Twist-Lock Photocells and Shorting Caps cannot be used with the Wall Mount Box (AD25WB)

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

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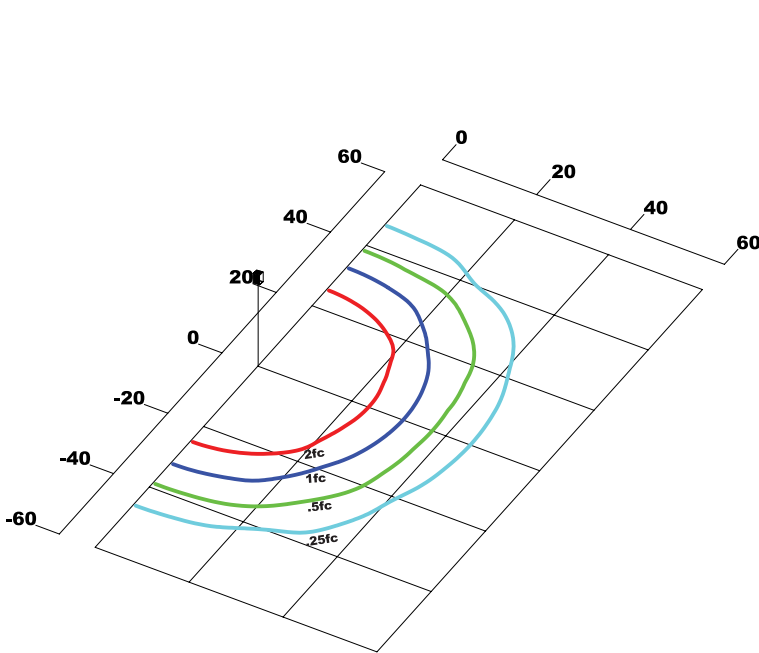
PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
DuraLED 56w	525	61	F	Type V	7,127	118	2	0	0	6,646	110	2	0	0	6,414	105	2	0	0
DuraLED 74w		80		Type V	9,418	118	3	0	1	8,782	110	3	0	1	-	-	-	-	-
DuraLED 112w		121		Type V	14,253	118	3	0	1	13,292	110	3	0	1	-	-	-	-	-

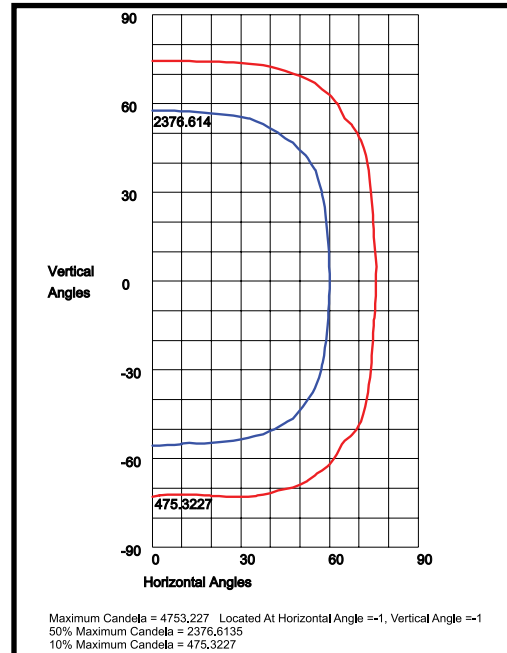
PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Beam	5000 CCT 80 CRI		4000 CCT 80 CRI		3000 CCT 80 CRI	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
DuraLED 56w	525	61	F 120°H x 110°V, NEMA 7H x 7V	7,121	118	6,641	110	6,409	105
DuraLED 74w	525	80		9,410	118	8,775	110	-	-
DuraLED 112w	525	121		14,242	118	13,281	110	-	-

PHOTOMETRIC DATA



AD25QF1X112U5KC
Type V
 Grid in MH
 MH=20 Feet



AD25QF1X112U5KC
120°H x 110°V, NEMA 7H x 7V

AD25Q DurAdjust Area, Wall, and Flood Light**DuraGuard**
PRODUCTS INC.
A QSSI Company**PROJECTED LUMEN MAINTENANCE**

Data shown for 5000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 121w	1.00	0.98	0.95	0.91	320,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.95	0.89	0.79	141,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.85	134,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.