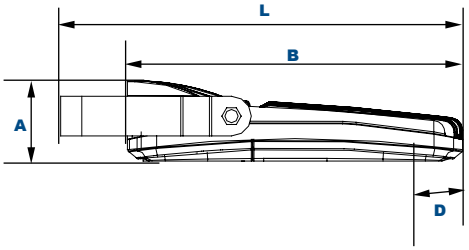
LED Technology

A25Q

L70 25°C — 320,000 Hours

Small Kitty Area Light

Shown with "KA' Kitty Arm Mounting Option.



The Jemm A25Q luminaire is available in two wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 150w to 400w MH or HPS. Typical area lighting applications include 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 Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware.

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

Lens:
Tempered Clear Flat Glass Lens or Tempered Clear Flat Prismatic Glass Lens.

Mounting Options:
Mounts with Kitty Arm, Adjustable Slipfitter, 2 3/8″ Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

LED: Aluminum Boards

Wattage:
81w: Array: 80.5w, System: 86.6w;
(150-250w HID Equivalent.)
112w: Array: 111.5w, System: 119.9w
(250-400w HID Equivalent.)

Driver:
Electronic Driver, 120-277V, 50/60Hz or 347/480V, 50/60Hz; Dimmable Driver.

Listing & Ratings:
CSA: Listed for Wet Locations.
Operating Temperatures: -40°C to +50°C
IP67 Sealed LED Compartment.

LM-79 Report Available on Select Models.

See Page 3 for Projected Lumen Maintenance Table.

5-Year Warranty.

Dimensions

Width (D)	13⅜″ (340mm)	**Length with Mount (L)**	**Kitty Arm (KA):** 27½″ (699mm) **Slipfitter (SF):** 18¾″ (476mm) **Mounting Arm Adaptor (MA):** 19⅛″ (486mm) **Yoke (Y):** 18″ (457mm) **Bracket (BR):** 18¾″ (476mm) **Easy-Hang Wall Bracket (KHEH):** 16″ (406mm)
Length (B)	15″ (381mm)		
Height (A)	3⅝″ (92mm)		

Order Information Example: A25QF112U5KCZKASP

A25Q

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
A25Q=Small Bentley Kitty Hawk Area Light	**A**=Type I **B**=Type II **C**=Type III **F**=Type V	**81**=81w **112**=112w	**U**=120-277V **H**=347/480V* *81w Model Only.	**4K**=4000K **5K**=5000K	**C**=Clear Flat Glass Lens **P**=Clear Flat Prismatic Glass Lens* *Use with Type V Optic Only.	**Z**=Bronze **C**=Custom (Consult Factory)	**KA**=Kitty Hawk Arm **SF**= Slipfitter **MA**= Mounting Arm Adapter **Y**=Yoke **BR**=Two-Piece Swivel Bracket **EH**=Easy-Hang Wall Bracket **NM**=No Mount	**SF**=Single Fuse **DF**=Double Fuse **SP**=Surge Protection **M1**=Motion Sensor, IR for mounting heights of 20ft to 35ft **M2**=Motion Sensor, IR for mounting heights of 18ft or less **R3**=3-Pin Twist Lock Photocell Receptacle **R7**=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle with P18132 shorting cap

Project Information:

Project Name: Fixture Type:

Complete Catalog #: Date:

Comments:

Certification & Listings:

IP67

A25Q

25°C 0,000 Hours

Small Kitty Area Light

Mounting Options:

A25Q with Kitty Arm (KA)

Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.

A25Q with Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2⅜" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

A25Q with Yoke (Y) Stamped

Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.

A25Q with "SF" External Mount Slipfitter (SF)

External Mount Die-Cast Adjustable Slipfitter for 2⅜" Tenons, Bronze Powdercoat Finish, Includes Hardware.

A25Q with Two-Piece Swivel Bracket (BR)

Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.

A25Q with Easy-Hang Bracket (EH)

Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.

EPA (Effective Projected Area)

Shown with Small Kitty Arm mounting.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	0.60	15 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
2@180° Mount	1.20	30 Lbs
2@90° Mount	0.82	30 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
3@90° Mount	1.32	45 Lbs
3@120° Mount	1.20	45 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
4@90° Mount	1.32	60 Lbs

KH20RPZ

KH20WMZ

PTSB1SZ

PTSB290SZ

PTSB2180SZ

PTSB390SZ*

PTSB3120SZ*

PTSB490SZ*

ACCHSG1Z

KH25GSZ

Mounting Accessories (Order separately, Field installed)

AKH20RPZ	Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with Kitty Hawk Mounting Arm only.
AKH20WMZ	Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with KH25A Kitty Hawk Mounting Arm only.
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.

*Special Order Item. Lead Time Three Weeks.

Accessories (Order separately, Field installed)

P18140	110-120VAC Instant Twist Lock Photocell
P18142	110-277VAC Instant Twist Lock Photocell
P18150	120VAC Time Delay Twist Lock Photocell
P18152	277VAC Time Delay Twist Lock Photocell
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.
ACCHSG1Z	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
AKH25GSZ	Aluminum House Side Shield, Bronze Powdercoat Finish, Includes Hardware.

Replacement Parts (Order separately, Field installed)

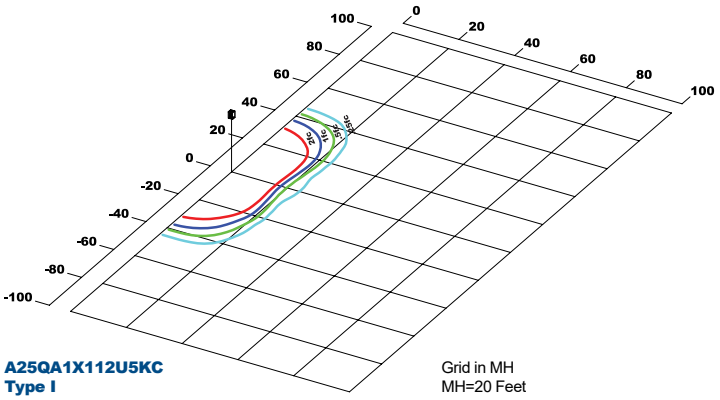
AKH25GL	Tempered Clear Flat Glass Lens.
AKH25GLP	Tempered Prismatic Flat Glass Lens.
AKH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
ALMAAZ	Die-Cast Adaptor for 2⅜" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AKH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
FL73SFXZ	External Mount Die-Cast Adjustable Slipfitter for 2⅜" Tenons, Bronze Powdercoat Finish, Includes Hardware.
FL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
AKHEHZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.

A25Q

25°C 0,000 Hours

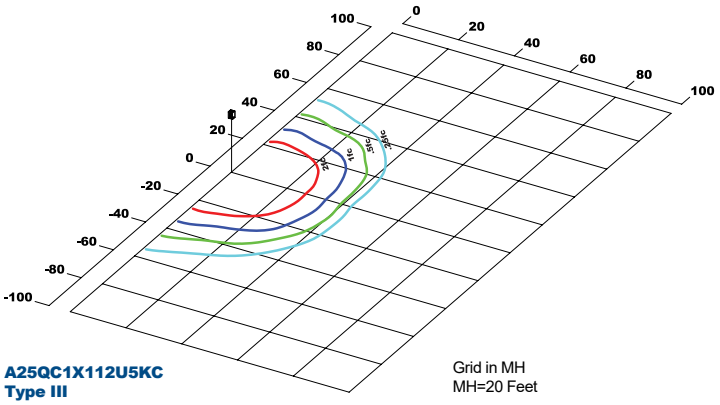
Small Kitty Area Light

Photometric Data



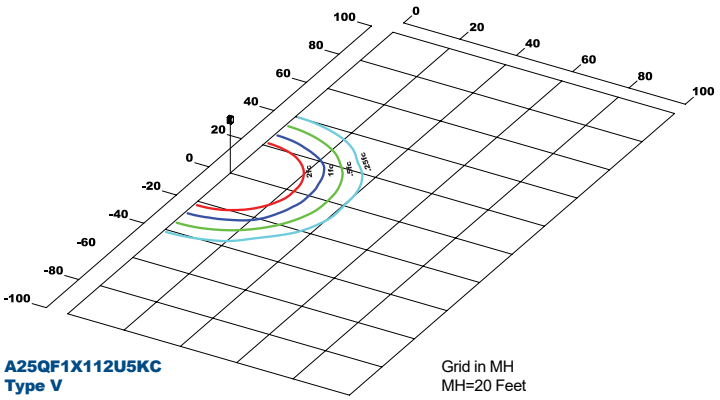
A25QA1X112U5KC
Type I

Grid in MH
MH=20 Feet



A25QC1X112U5KC
Type III

Grid in MH
MH=20 Feet



A25QF1X112U5KC
Type V

Grid in MH
MH=20 Feet

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 81w	525	87	Type I	9,308	107	3	3	1	8,517	98	3	3	1
			Type III	8,338	96	2	3	2	7,629	88	2	2	2
			Type V	9,220	106	3	3	1	8,436	97	3	2	1
EasyLED 112w	525	120	Type I	12,534	105	3	3	1	11,469	96	3	3	1
			Type III	11,229	94	3	3	3	10,275	86	2	3	2
			Type V	12,784	107	3	3	1	11,697	98	3	3	1

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 L70@ 25°C**
L70 Lumen Maintenance @ 25°C / 77°F	87	1.00	0.98	0.97	0.93	429,000
L70 Lumen Maintenance @ 25°C / 77°F	120	1.00	0.98	0.95	0.91	320,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 50°C**
L70 Lumen Maintenance @ 50°C / 122°F	87	1.00	0.97	0.94	0.88	259,000
L70 Lumen Maintenance @ 50°C / 122°F	120	1.00	0.95	0.89	0.79	141,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L80@ 40°C**
L80 Lumen Maintenance @ 40°C / 104°F	87	1.00	0.97	0.95	0.90	195,000
L80 Lumen Maintenance @ 40°C / 104°F	120	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.

Specifications subject to change without notice.