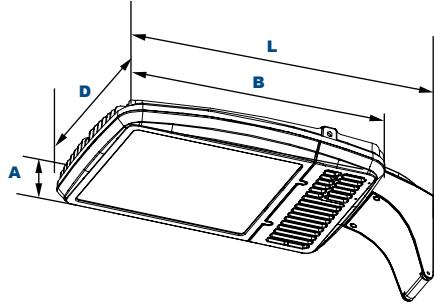


L70
25°C

290,000 Hours



Dimensions

Width (D)	15 3/4" (400mm)	Length with Mount (L)
Length (B)	22" (559mm)	
Height (A)	4" (102mm)	

Kitty Hawk Arm (KA): 27 1/2" (699mm)
Slipfitter (SF): 29 1/4" (743mm)
Mounting Arm Adaptor (MA): 26 1/8" (664mm)
Yoke (Y): 26 1/4" (667mm)
Bracket (BR): 25 3/4" (654mm)

Large Bentley Kitty Hawk Area Light

The LEPG KMS45Q luminaire is available in two wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 250w to 1000w 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 16 to 35 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.

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 or Tempered Clear Flat Prismatic Glass Lens.

Mounting Options:

Mounts with Kitty Hawk Arm, Adjustable Slipfitter, 2 3/8" Diameter Mounting Arm Adapter, Yoke, or Two-Piece Bracket. (Factory Installed)

EasyLED LED:

Aluminum Boards

Wattage:

167w: Array: 167.3w, System Input: 177w
(250-400w HID Equivalent)
256w: Array: 255.7w, System Input: 281w
(400-1000w HID Equivalent)

Driver:

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

Warranty:

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

LM-79 Report Available on Select Models.

See Page 3 for Projected Lumen Maintenance Table.

Order Information Example:			KMS-45QF1X256U5KCZKASP						
KMS	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options	
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options	
KMS 45Q	A=Type I B=Type II C=Type III D=Type IV F=Type V	1X167=167w 1X256=256w	U=120-277V H=347/480V	4K=4000K 5K=5000K	C=Clear Flat Glass Lens P=Clear Flat Prismatic Glass Lens*	Z=Bronze C=Custom (Consult Factory)	KA=Kitty Hawk Arm 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	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:



DesignLights Consortium™

Qualified Luminaires:

KMS45QA1X167U5KC***

KMS45QA1X256U5KC***

KMS45QB1X167U5KC***

KMS45QB1X256U5KC***

KMS45QC1X167U5KC***

KMS45QC1X256U5KC***

KMS45QD1X167U5KC***

KMS45QD1X256U5KC***

KMS45QF1X167U5KC***

KMS45QF1X256U5KC***



Specifications subject to change without notice.

Rev. 092017

Mounting Options:



KMS45Q with Kitty Hawk Arm (KA)

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



KMS45Q with Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



KMS45Q with Yoke (Y)

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



KMS45Q with "SF" External Mount Slipfitter (SF)

External Mount Die-Cast Adjustable Slipfitter for 2" Tenons, Bronze Powdercoat Finish, Includes Hardware.

KMS45Q with Two-Piece Swivel Bracket (BR)

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

EPA (Effective Projected Area)

Shown with Large Kitty Hawk Arm mounting.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	1.00	33 Lbs		2.00	66 Lbs		2.20	99 Lbs		2.20	132 Lbs
				1.36	66 Lbs		2.00	99 Lbs			
1			2@180° Mount			3@90° Mount			4@90° Mount		

Mounting Accessories (Order separately, Field installed)

KMS40RPZ Die-Cast Adaptor for 4" to 6" Round Poles, Bronze Powdercoat Finish, Use with Kitty Hawk Mounting Arm only.

KMS40WMZ Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with KH45A Kitty Hawk Mounting Arm only.

PTSB1SZ Single Pole Tenon Spoke Bracket, 2" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.

PTSB290SZ Twin Pole Tenon Spoke Bracket, 2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

PTSB2180SZ Twin Pole Tenon Spoke Bracket, 2" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

PTSB390SZ* Triple Pole Tenon Spoke Bracket, 2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

PTSB3120SZ* Triple Pole Tenon Spoke Bracket, 2" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

PTSB490SZ* Quad Pole Tenon Spoke Bracket, 2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

Accessories (Order separately, Field installed)

P18140 110-120VAC Instant Twist Lock Photocell

P18142 105-287VAC 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

KH45GSZ Aluminum House Side Shield, Bronze Powdercoat Finish, Includes Hardware.

Replacement Parts (Order separately, Field installed)

KMS45GL Tempered Clear Flat Glass Lens.

KMS45GLP Tempered Prismatic Flat Glass Lens.

KMS45AZ Kitty Hawk Mounting Arm, Mounts Directly to Square Poles, Bronze Powdercoat Finish

FL73SFXZ External Mount Slipfitter, Die Cast, Bronze Powdercoat Finish

ALMAAZ Pole Mounting Arm Adaptor, Fits 2" Arm, Includes Hardware, Bronze Powdercoat Finish

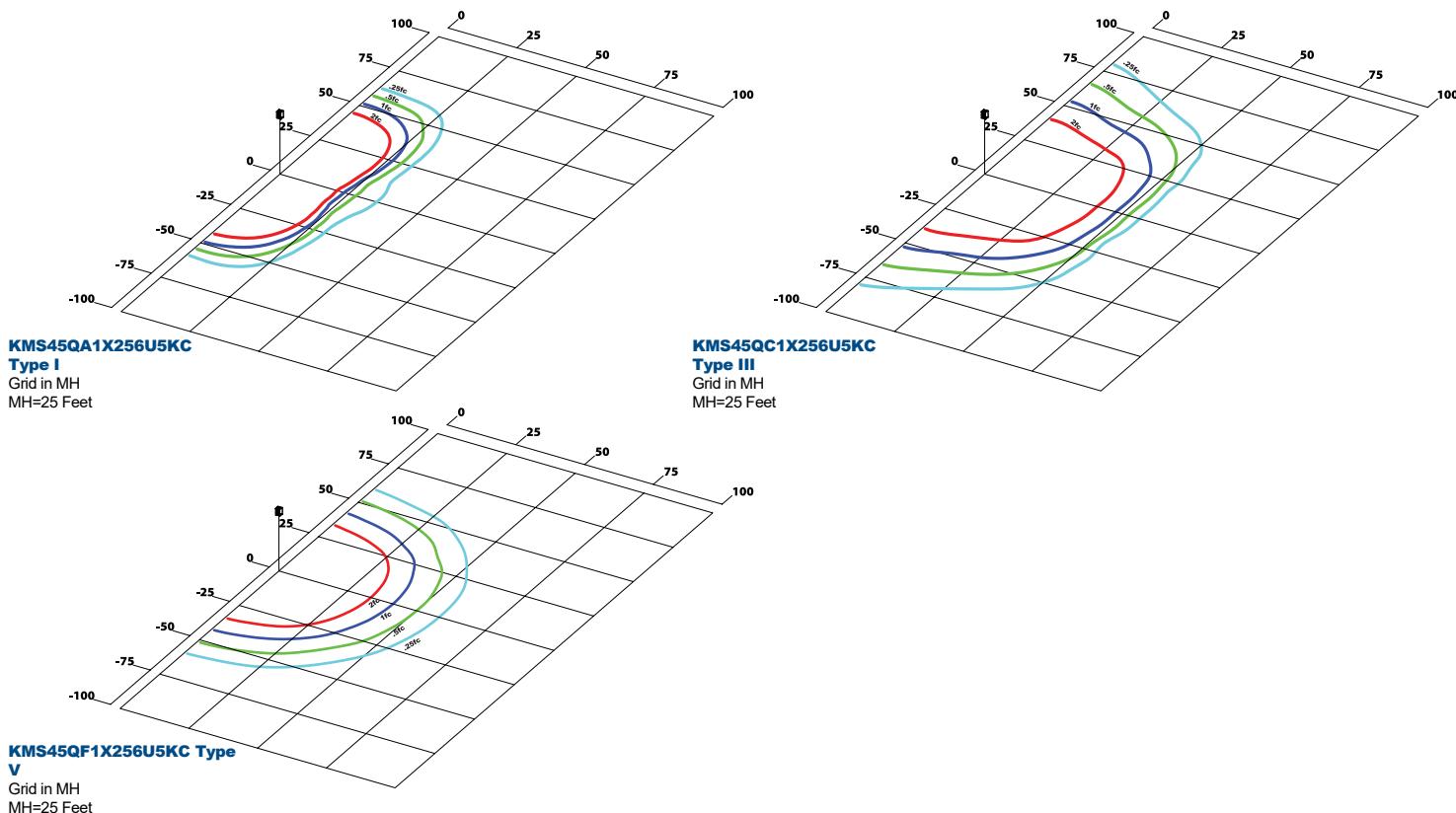
KMS45YZ Yoke, Stamped Heavy-Duty Steel, Bronze Powdercoat Finish

FL73BRZ Two-Piece Swivel Bracket, Stamped Steel, Bronze Powdercoat Finish

*Special Order Item. Lead Time Three Weeks.

Specifications subject to change without notice. Rev. 072417

Photometric Data



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 167w	525	177	Type I	19,217	109	4	3	2	17,584	99	4	3	2
			Type III	17,538	99	3	3	3	16,047	91	3	3	3
			Type V	19,916	113	4	3	3	18,223	103	4	3	3
EasyLED 256w	525	281	Type I	28,826	103	4	3	3	26,376	89	4	3	3
			Type III	27,357	97	3	3	3	25,032	100	3	3	3
			Type V	30,745	109	5	3	2	28,132	82	5	3	2

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		177	1.00	0.98	0.96	0.92	393,000
L70 Lumen Maintenance @ 25°C / 77°F		281	1.00	0.97	0.95	0.90	290,000
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		177	1.00	0.96	0.91	0.82	114,000
L70 Lumen Maintenance @ 50°C / 122°F		281	1.00	0.94	0.88	0.76	84,000
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		177	1.00	0.97	0.94	0.89	180,000
L80 Lumen Maintenance @ 40°C / 104°F		281	1.00	0.95	0.91	0.81	108,000

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. Rev. 122016