

KH55Q DuraLED MegaHawk Area Light



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

The DuraGuard KH55Q MegaHawk luminaire is available with a wide choice of optical distributions designed to replace HID lighting systems to 1500w MH or HPS. Typical area lighting applications include auto dealerships, retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 20 to 50 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 Adjustable Slipfitter. (Factory Installed)

DURALED LED:

Aluminum Boards

WATTAGE:

512w; Array: 512w, System Input: 557w (1000-1500w 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.

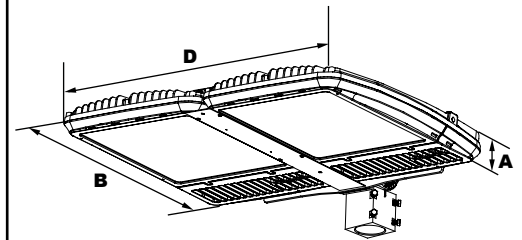
WARRANTY:

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

See Page 3 for Projected Lumen Maintenance Table.



Shown with Pole Mounted Slipfitter.



Dimensions

Width (D)	31½" (798mm)
Length (B)	22" (563mm)
Height (A)	4" (102mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: KH55QF2X256U5KCZLSFSP

KH55Q DuraLED MegaHawk Area Light

KH55Q		2X256		LSF				
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
KH55Q= DuraLED MegaHawk Area Light	A=Type I B=Type II C=Type III D=Type IV F=Type V	2X256=512w	U=120-277V H=347-480V	3K=3000K* 4K=4000K 5K=5000K		Z=Bronze C=Custom (Consult Factory)	LSF=Slipfitter, Included	
Only for F & C Optics. C=Clear Flat Glass Lens P=Clear Flat Prismatic Glass Lens *Use with Type V Optic Only.						SF=Single Fuse DF=Double Fuse SP=Surge Protection R3=3-Pin Twist Lock Photocell Receptacle R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle		



Specifications subject to change without notice.

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MOUNTING OPTIONS:



KH55Q Shown with "LSF" External Mount Slipfitter,
External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons,
Bronze Powdercoat Finish, Includes Hardware.

EFFECTIVE PROJECTED AREA (EPA) SHOWN WITH SLIPFITTER MOUNTING.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	1.20	74 Lbs	 2@180° Mount	2.40	148 Lbs

NOTE: VALUES FOR HORIZONTAL MOUNTING.

ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order separately, Field installed)		Accessories (Order separately, Field installed)		Replacement Parts (Order separately, Field installed)	
PTSB1SZ	Single Pole Tenon Spoke Bracket, 2 3/8" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.	P18140	110-120VAC Instant Twist Lock Photocell	KH45GL	Tempered Clear Flat Glass Lens.
PTSB2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/8" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.	P18142	105-287VAC Instant Twist Lock Photocell	KH45GLP	Tempered Prismatic Flat Glass Lens.
		P18150	120VAC Time Delay Twist Lock Photocell	LSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.
		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. KH55 Requires Two.		

Sensors not available for 480V.

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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
DuraLED 2x256w	525	557	Type I	63,835	116	5	0	4	59,526	108	5	0	4
			Type II	60,897	111	4	0	4	56,786	103	4	0	4
			Type III	66,898	122	5	0	5	62,382	114	5	0	5
			Type IV	56,001	102	3	1	5	52,221	95	3	1	5
			Type V	63,813	116	5	0	3	59,506	108	5	0	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	557	1.00	0.97	0.95	0.90	290,000	

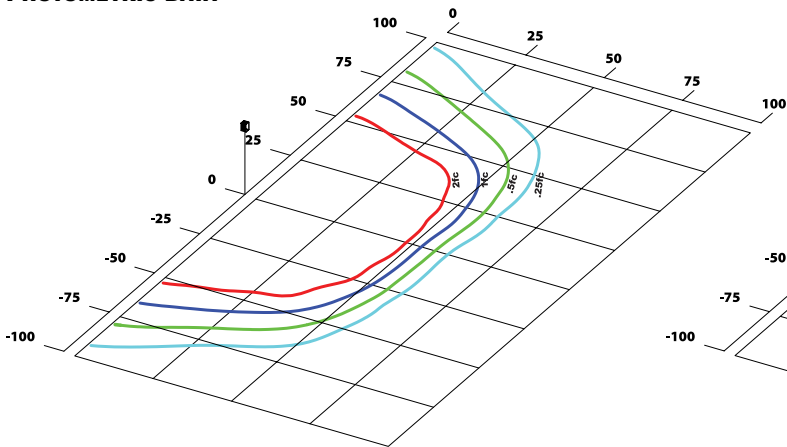
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	557	1.00	0.94	0.88	0.76	84,000

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	557	1.00	0.95	0.91	0.81	108,000

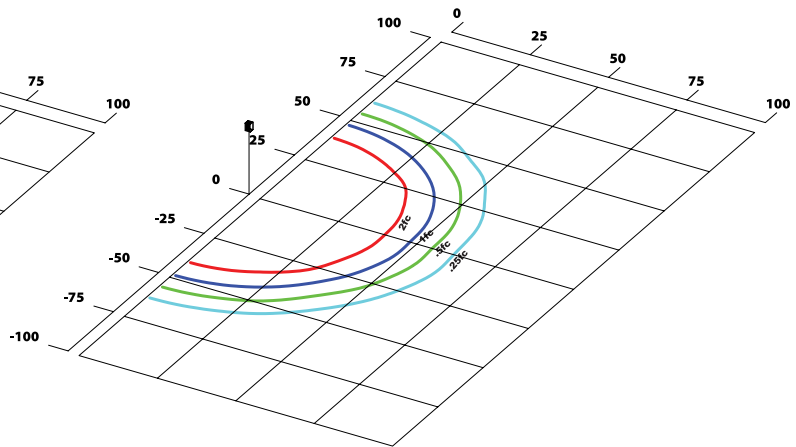
NOTES:

- 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.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

PHOTOMETRIC DATA



KH55QC2X256U5KC
Type III
 Grid in MH
 MH=25 Feet



KH55QF2X256U5KC
Type V
 Grid in MH
 MH=25 Feet