

EES-KH25 LED Small Slimline Area, Wall, and Flood Light



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

The EnviroLux EES-KH25 luminaire is available in three 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 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 Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware.

LISTING & RATINGS:

ETL: 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 or SoftLED Flat Glass Lens

MOUNTING OPTIONS:

Mounts with Side Mount Pole Arm, Adjustable Slipfitter, 2 3/4" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

LED:

Aluminum Boards



DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (65 & 81w Models Only); 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 EnviroLux Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

WARRANTY:

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

See Page 6 for Projected Lumen Maintenance Table.



Shown with "EES-KH25A" Side Mounting Option.



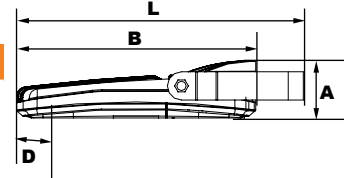
Shown with "KHEH" Easy-Hang Wall Bracket



Shown with "SSF" Slipfitter Option.

Dimensions

Width (D)	1 3/8" (340mm)
Length (B)	15" (381mm)
Height (A)	3 3/8" (92mm)



Length with Mount (L)

- Side Mount Pole Arm (KH25A): 19 1/4" (491mm)
- Slipfitter (SSF): 18 3/4" (476mm)
- Mounting Arm Adapter (ALMAA): 19 3/4" (486mm)
- Yoke (KH25Y): 18" (457mm)
- Bracket (SSB): 18 3/4" (476mm)
- Easy-Hang Wall Bracket (KHEH): 16" (406mm)

Custom Powdercoat Available

Complete Units Ordering Information Example:
EES-KH25-F1X112U5KC2KH25ASP

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EES-KH25

Model	Optics/Beams	Wattage	Driver	CCT	Lens	Color	Mounting	Options
		1X70=65w* 1X90=81w 1X112=112w *Use with D Optic 3K Model or C & F Optics 4K & 5K Models	U=120-277V H=347-480V* *65 & 81w Models Only	3K=3000K* 4K=4000K 5K=5000K	C=Standard Clear Flat Glass Lens S=SoftLED Flat Glass Lens* *Type V Models Only	Z=Bronze C=Custom (Consult Factory)	KH25A=Kitty Hawk Arm SSF= Slipfitter ⊕ ALMAA= Mounting Arm Adapter KH25Y=Yoke SSB=Two-Piece Swivel Bracket ⊕ KHEH=Easy-Hang Wall Bracket NM=No Mount	Notes ⊕ Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

EES-KH25=LED Small Slimline Area, Wall, and Flood Light

*81w & 112w 5K Model Only.

See Page 4 & 6 for Distribution Information.

*65w D Optic; 81w B, C, D, F Optics; or 112w C, D & F Optics

- 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 ⊕
- R5=5-Pin Twist Lock Photocell Receptacle ⊕
- R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle ⊕
- S23=Internal Microwave Sensor with dimming for mounting heights of 25' or less.*
- S43=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*

*120-277V Model Only



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ADDITIONAL MOUNTING OPTIONS



EES-KH25Q Shown with "EES-KH25A" Kitty Hawk Mounting Arm, Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.



EES-KH25Q Shown with "ALMAA" Pole Mounting Arm Adaptor, Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



EES-KH25Q Shown with "EES-KH25Y" Yoke, Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.



EES-KH25Q Shown with "SSF" External Mount Slipfitter, External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.



EES-KH25Q Shown with "SSB" Two-Piece Swivel Bracket, Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.






EES-KH25Q Shown with "KHEH" Easy-Hang Wall Bracket, Die-Cast Easy-Hang Wall Bracket, 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 SMALL SLIMLINE 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

ACCESSORIES & REPLACEMENT PARTS:



Mounting Accessories (Order Separately, Field Installed)	
KH20RPZ	Die-Cast Adaptor for 3" to 5" Round Poles, Bronze Powdercoat Finish. Use with KH25A 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.
PTS290SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTS2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTS390SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTS3120SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTS490SZ*	Quad Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

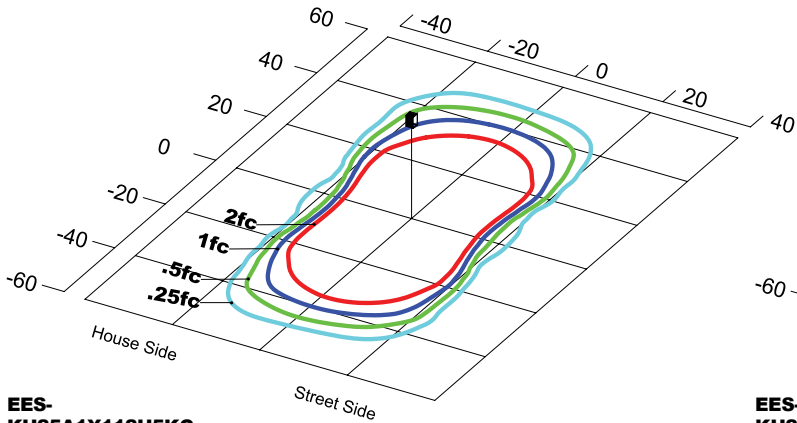
*Non-stock item. Consult factory for lead time.

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.
ACCHSG1Z	Die Cast Accessory Housing for Installing Sensors or Other Lighting Control, Bronze Powdercoat Finish.
KH25GSZ	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
KH25WG	Wire Guard, Stainless Steel Construction, Includes Hardware.
ACCHSG3	Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket.
SSBS	Stainless Steel Bird Spikes

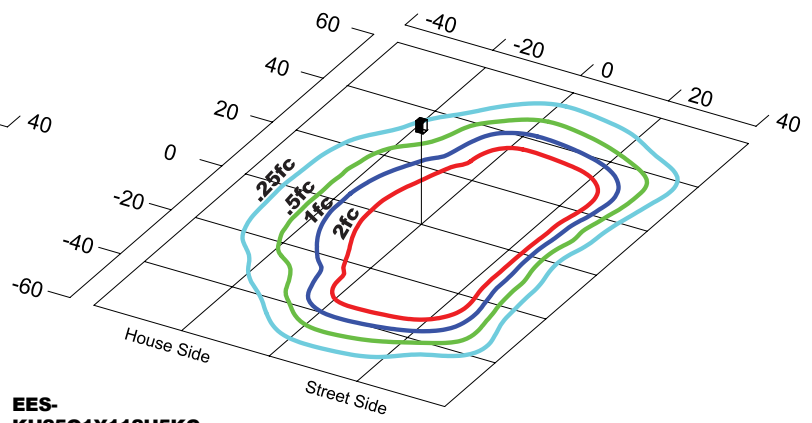
Replacement Parts (Order Separately, Field Installed)	
KH25GL	Tempered Clear Flat Glass Lens.
KH25GLSS	SoftLED Flat Glass Lens
KH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
SSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
ALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
KH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
SSBZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
KHEHZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
P17117	Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See P17117 Specification Page for Details.
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

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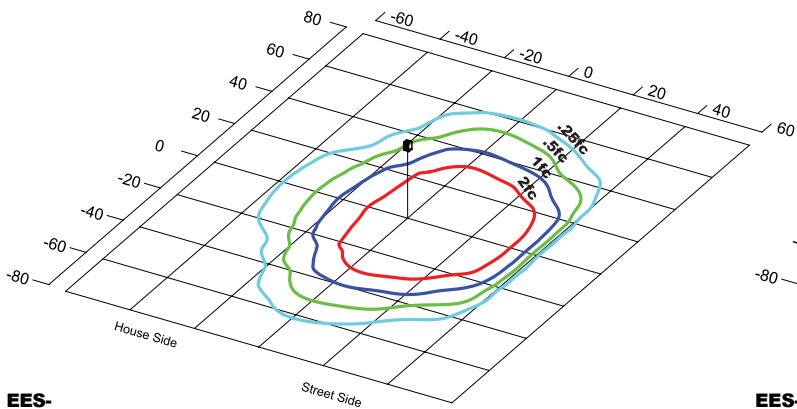
PHOTOMETRIC DATA



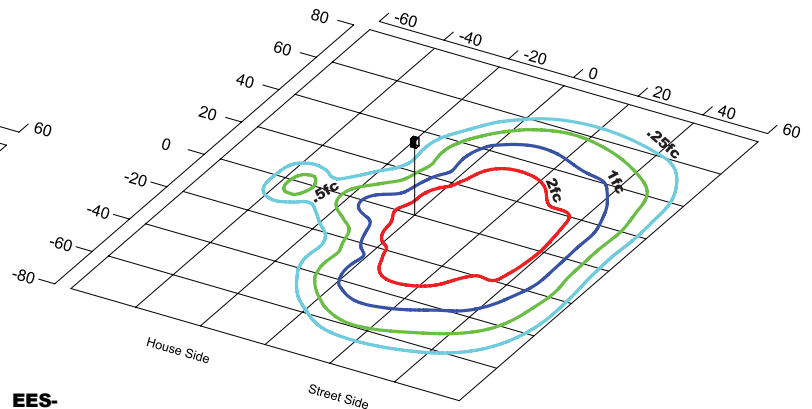
EES-KH25A1X112U5KC
Type I
Grid in MH
MH=20 Feet



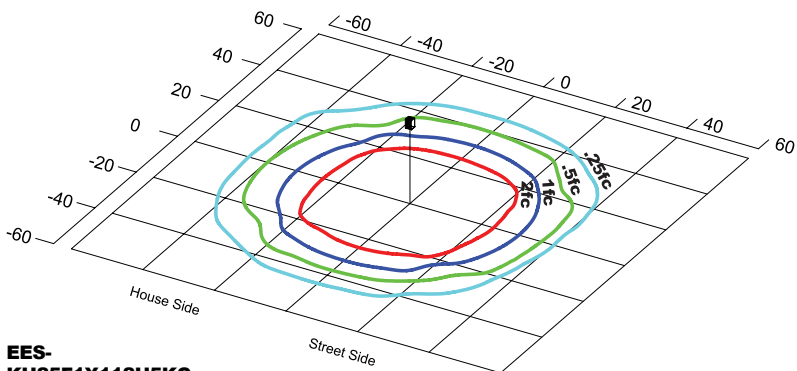
EES-KH25Q1X112U5KC
Type II
Grid in MH
MH=20 Feet



EES-KH25C1X112U5KC
Type III
Grid in MH
MH=20 Feet



EES-KH25D1X112U5KC
Type IV
Grid in MH
MH=20 Feet



EES-KH25F1X112U5KC
Type V
Grid in MH
MH=20 Feet

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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	
LED 70w	525		C Type III	13,370	191	2	0	2	13,370	191	2	0	2	-	-	-	-	-	
			D Type IV	-	-	-	-	-	-	-	-	-	-	-	13,370	191	1	0	2
			F Type V	13,370	191	2	0	0	13,370	191	2	0	0	-	-	-	-	-	
LED 90w	525	70	A Type I	17,190	191	3	0	2	17,190	191	3	0	1	-	-	-	-	-	
			B Type II	17,190	191	2	0	2	17,190	191	2	0	2	17,190	191	2	0	2	
			C Type III	17,190	191	2	0	2	17,190	191	2	0	2	17,190	191	2	0	2	
			D Type IV	17,190	191	1	0	2	17,190	191	1	0	2	17,190	191	1	0	2	
			F Type V	17,190	191	3	0	1	17,190	191	3	0	1	17,190	191	3	0	1	
LED 112w	525	112	A Type I	21,392	191	3	0	2	21,392	191	3	0	2	-	-	-	-	-	
			B Type II	21,392	191	2	0	2	21,392	191	2	0	2	-	-	-	-	-	
			C Type III	21,392	191	3	0	3	21,392	191	3	0	3	21,392	191	3	0	3	
			D Type IV	21,392	191	2	0	3	21,392	191	2	0	3	21,392	191	2	0	3	
			F Type V	21,392	191	3	0	1	21,392	191	3	0	1	21,392	191	3	0	1	