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

ENVIROLUX®
ENERGY SYSTEMS

Project Information

Project Name: _____

Complete Catalog #: _____

Comments: _____

Fixture Type: _____

Date: _____

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, 2⅜″ 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.

L70 25°C
320,000 Hours

BUY AMERICAN ACT COMPLIANT

Shown with "EES-KH25A" Side Mounting Option.

Shown with "KHEH" Easy-Hang Wall Bracket

Shown with "SSF" Slipfitter Option.

BUILD AMERICA · BUY AMERICA ·

Dimensions

Width (D)	13⅜″ (340mm)
Length (B)	15″ (381mm)
Height (A)	3⅝″ (92mm)
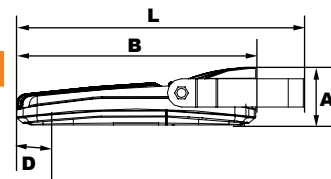
Length with Mount (L)

Side Mount Pole Arm (KH25A): 19¼″ (491mm)
Slipfitter (SSF): 18¾″ (476mm)
Mounting Arm Adaptor (ALMAA): 19⅛″ (486mm)
Yoke (KH25Y): 18″ (457mm)
Bracket (SSB): 18¾″ (476mm)
Easy-Hang Wall Bracket (KHEH): 16″ (406mm)

Custom Powdercoat Available

Complete Units Ordering Information
Example: **EES-KH25-F1X138U5KCZKH25ASP**

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EES-KH25

Model	Optics/Beams	Wattage	Driver	CCT	Lens	Color	Mounting	Options
		1X70=70w* **1X90**=90w **1x138**=138w **F Optics 4K & 5K Models**	**U**=120-277V **H**=347-480V* *65 & 81w Models Only			**Z**=Bronze **C**=Custom (Consult Factory)		
	A=Type I/NEMA 7H x 5V **B**=Type II/NEMA 7H x 6V **C**=Type III/NEMA 7H x 7V **D**=Type IV/NEMA 6H x 5V **F**=Type V/NEMA 7H x 7V **I**=Narrow Beam/NEMA 4H x 4V*				**C**=Standard Clear Flat Glass Lens **S**=SoftLED Flat Glass Lens* *Type V Models Only		**KH25A**=Kitty Hawk Arm **SSF**= Slipfitter ① **ALMAA**= Mounting Arm Adapter **KH25Y**=Yoke **SSB**=Two-Piece Swivel Bracket ① **KHEH**=Easy-Hang Wall Bracket **NM**=No Mount	
	*81w & 112w 5K Model Only. See Page 4 & 6 for Distribution Information.			**3K**=3000K* **4K**=4000K **5K**=5000K *65w D Optic; 81w B, C, D, F Optics; or 112w C, D & F Optics				
EES-KH25=LED Small Slimline Area, Wall, and Flood Light								

Notes
① **Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options**

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 ①
R5=5-Pin Twist Lock Photocell Receptacle ①
R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle ①
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

C ETL US LISTED IP66

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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 2⅜" 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, ① *External Mount Die-Cast Adjustable Slipfitter for 2⅜" Tenons, Bronze Powdercoat Finish, Includes Hardware.*

EES-KH25Q Shown with "SSB" Two-Piece Swivel Bracket, ① *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:

KH20RPZ   KH20WMZ   PTSB1SZ
PTSB290SZ   PTSB2180SZ   PTSB390SZ*
PTSB3120SZ*   PTSB490SZ*   ACCHSG1Z
KH25GSZ   KH25WG   ACCHSG3
P17117   P17123

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, 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.

*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 2⅜" Tenons, Bronze Powdercoat Finish, Includes Hardware.
ALMAAZ	Die-Cast Adaptor for 2⅜" 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

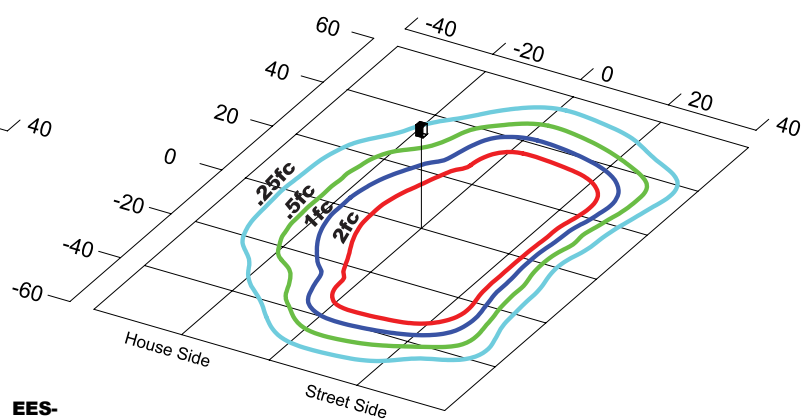Specifications subject to change without notice.

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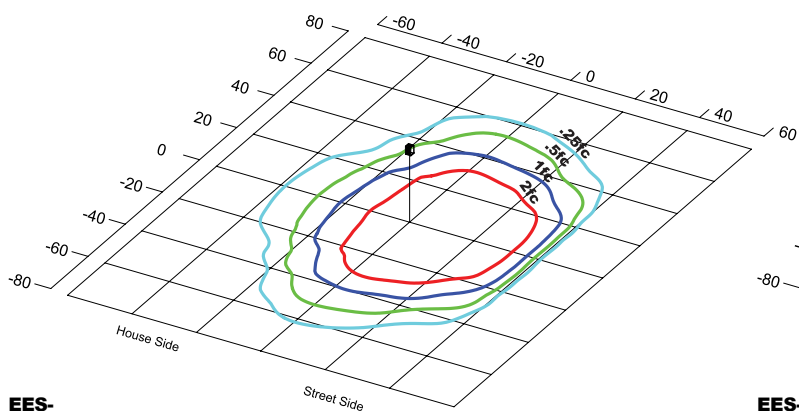
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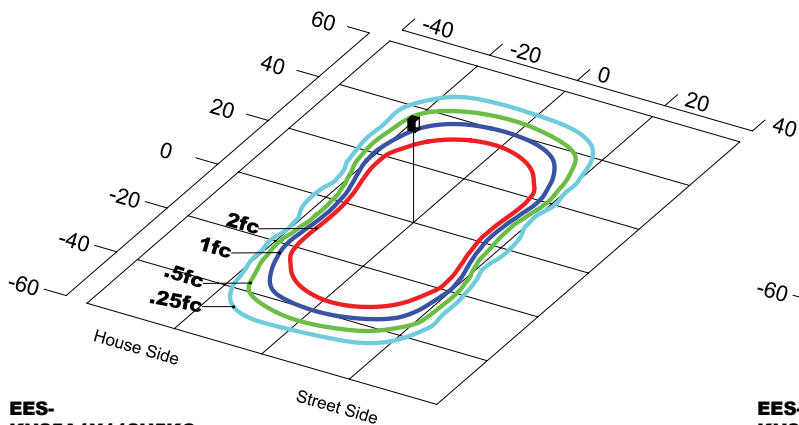
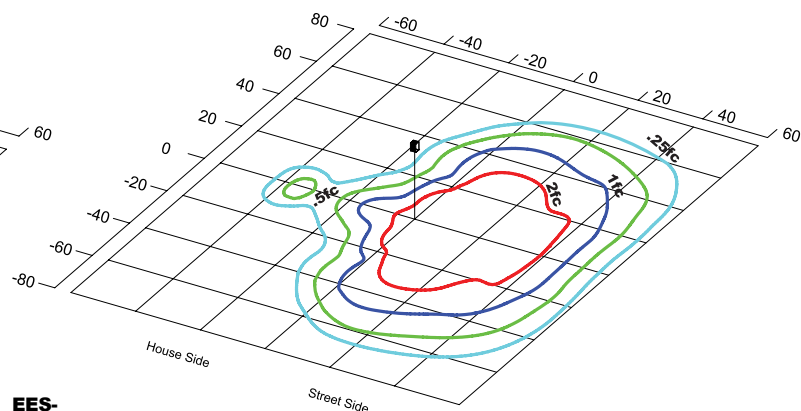**EES-KH25A1X112U5KC**
Type I
Grid in MH
MH=20 Feet

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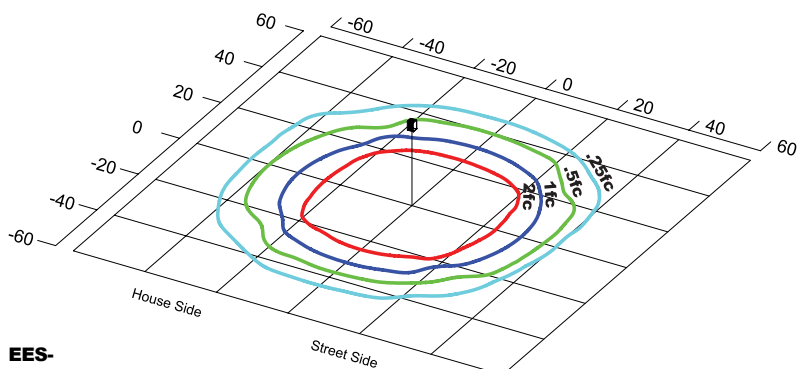**Type II**
Grid in MH
MH=20 Feet

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	70	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	90	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 138w	525	138	A	Type I	26,358	191	3	0	2	26,358	191	3	0	2	-	-	-	-	-
			B	Type II	26,358	191	2	0	2	26,358	191	2	0	2	-	-	-	-	-
			C	Type III	26,358	191	3	0	3	26,358	191	3	0	3	26,358	191	3	0	3
			D	Type IV	26,358	191	2	0	3	26,358	191	2	0	3	26,358	191	2	0	3
			F	Type V	26,358	191	3	0	1	26,358	191	3	0	1	26,358	191	3	0	1