

# 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" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

### LED:

Aluminum Boards

L70

25°C

320,000 Hours

### 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 +25°C Environment.

See Page 6 for Projected Lumen Maintenance Table.



Shown with "EES-KH25A" Side Mounting Option.



Shown with "KHEH" Easy-Hang Wall Bracket



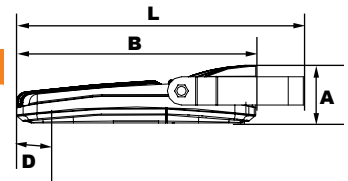
Shown with "SSF" Slipfitter Option.

### Dimensions

Width (D) 13 1/4" (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 1/4" (476mm)

Mounting Arm Adaptor (ALMAA): 19 3/4" (486mm)

Yoke (KH25Y): 18" (457mm)

Bracket (SSB): 18 1/4" (476mm)

Easy-Hang Wall Bracket (KHEH): 16" (406mm)

**Custom Powdercoat Available**

Complete Units Ordering Information Example:

EES-KH25-F1X114U5KC2KH25ASP

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

### EES-KH25

| Model | Optics/Beams                                                                                                                                                                                                                                                                             | Wattage                                                                                                                      | Driver                                                               | CCT                                                                                                                        | Lens                                                                                                    | Color                                                   | Mounting                                                                                                                                                                                                                | Options |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|       |                                                                                                                                                                                                                                                                                          | <b>1X70=70w*</b><br><b>1X90=90w</b><br><b>1X114=114w</b><br><br>*Use with D Optic<br>3K Model or C & F Optics 4K & 5K Models | <b>U=120-277V</b><br><b>H=347-480V*</b><br><br>*65 & 81w Models Only | <b>3K=3000K*</b><br><b>4K=4000K</b><br><b>5K=5000K</b><br><br>*65w D Optic; 81w B, C, D, F Optics; or 112w C, D & F Optics | <b>C=Standard Clear Flat Glass Lens</b><br><b>S=SoftLED Flat Glass Lens*</b><br><br>*Type V Models Only | <b>Z=Bronze</b><br><b>C=Custom</b><br>(Consult Factory) | <b>KH25A=Kitty Hawk Arm</b><br><b>SSF= Slipfitter</b> ⓪<br><b>ALMAA= Mounting Arm Adapter</b><br><b>KH25Y=Yoke</b><br><b>SSB=Two-Piece Swivel Bracket</b> ⓪<br><b>KHEH=Easy-Hang Wall Bracket</b><br><b>NM=No Mount</b> |         |
|       | <b>A=Type I/NEMA 7H x 5V</b><br><b>B=Type II/NEMA 7H x 6V</b><br><b>C=Type III/NEMA 7H x 7V</b><br><b>D=Type IV/NEMA 6H x 5V</b><br><b>F=Type V/NEMA 7H x 7V</b><br><b>I=Narrow Beam/NEMA 4H x 4V*</b><br><br>*81w & 112w 5K Model Only.<br>See Page 4 & 6 for Distribution Information. |                                                                                                                              |                                                                      |                                                                                                                            |                                                                                                         |                                                         |                                                                                                                                                                                                                         |         |

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 ⓪

R5=5-Pin Twist Lock Photocell Receptacle ⓪

R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle ⓪

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



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

## 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.) |
|-----------------------------------------------------------------------------------------------|---------------|---------------|
| <br><b>1</b> | 0.60          | 15 Lbs        |

| Configuration                                                                                             | EPA (Sq. Ft.) | Weight (Lbs.) |
|-----------------------------------------------------------------------------------------------------------|---------------|---------------|
| <br><b>2@180° Mount</b> | 1.20          | 30 Lbs        |
| <br><b>2@90° Mount</b> | 0.82          | 30 Lbs        |

| Configuration                                                                                              | EPA (Sq. Ft.) | Weight (Lbs.) |
|------------------------------------------------------------------------------------------------------------|---------------|---------------|
| <br><b>3@90° Mount</b>   | 1.32          | 45 Lbs        |
| <br><b>3@120° Mount</b> | 1.20          | 45 Lbs        |

| Configuration                                                                                              | EPA (Sq. Ft.) | Weight (Lbs.) |
|------------------------------------------------------------------------------------------------------------|---------------|---------------|
| <br><b>4@90° Mount</b> | 1.32          | 60 Lbs        |

## ACCESSORIES & REPLACEMENT PARTS:



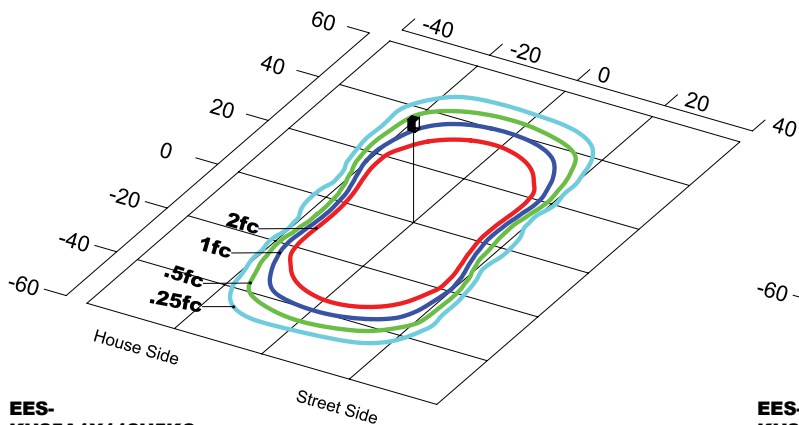
| Mounting Accessories<br>(Order Separately, Field Installed) |                                                                                                                     |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 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.       |
| PTSB290SZ                                                   | Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.    |
| PTSB2180SZ                                                  | Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.   |
| PTSB390SZ*                                                  | Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. |
| PTSB3120SZ*                                                 | Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. |
| PTSB490SZ*                                                  | 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<br>(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<br>(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        |

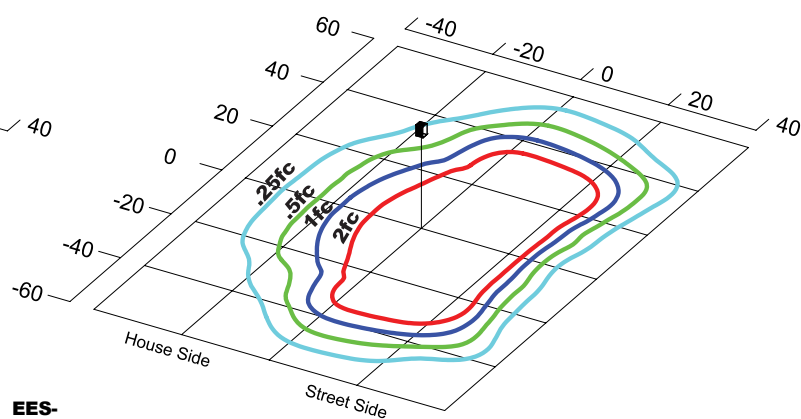
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## PHOTOMETRIC DATA



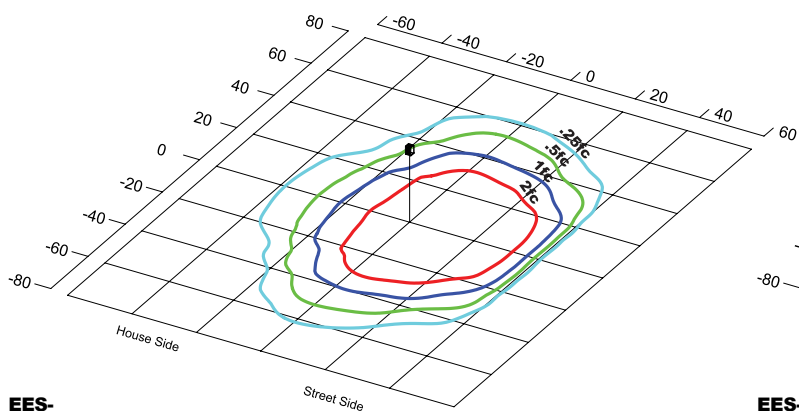
**EES-KH25A1X112U5KC**  
**Type I**

Grid in MH  
MH=20 Feet



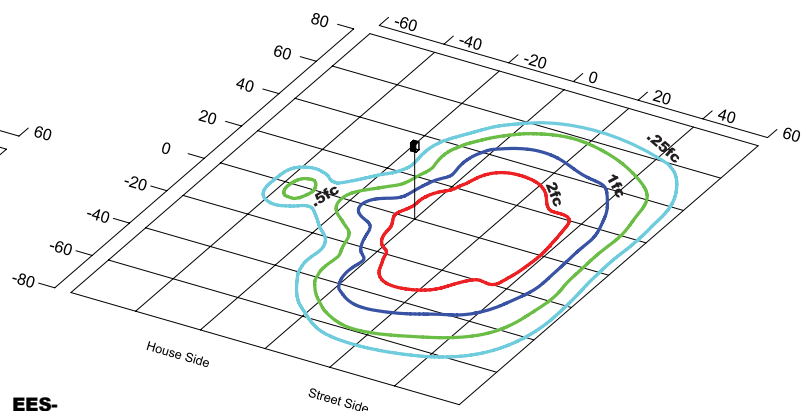
**EES-KH25Q1X112U5KC**  
**Type II**

Grid in MH  
MH=20 Feet



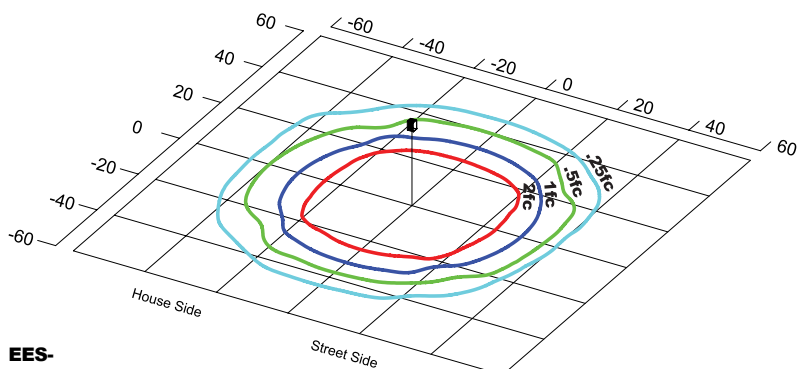
**EES-KH25C1X114U5KC**  
**Type III**

Grid in MH  
MH=20 Feet



**EES-KH25D1X114U5KC**  
**Type IV**

Grid in MH  
MH=20 Feet



**EES-KH25F1X114U5KC**  
**Type V**

Grid in MH  
MH=20 Feet

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PHOTOMETRIC PERFORMANCE

|                 |                    |             |            | 5000 CCT 80 CRI |     |   |   |   | 4000 CCT 80 CRI |     |   |   |   | 3000 CCT 80 CRI |     |   |   |   |
|-----------------|--------------------|-------------|------------|-----------------|-----|---|---|---|-----------------|-----|---|---|---|-----------------|-----|---|---|---|
| LED Board Watts | Drive Current (mA) | Input Watts | Optics     | 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 114w        | 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 |