

ECKH25Q ThermaLED technology

ThermaLED Small Bentley Kitty Hawk Flood Light



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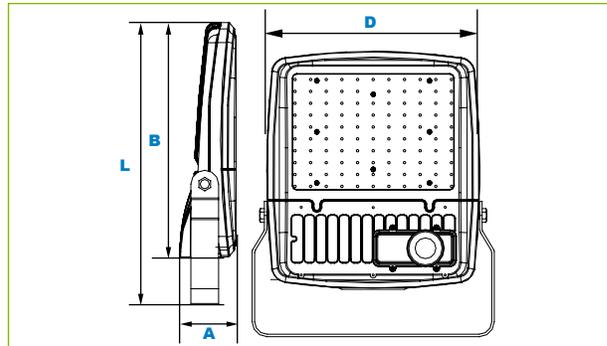
Order Information Example:				ECKH25QF1X112U5KCZSFSP				
ECKH25Q				C				
Model	Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
ECKH25Q= ThermaLED Small Bentley Kitty Hawk Flood Light	A =NEMA 7H x 5V B =NEMA 7H x 7V C =NEMA 7H x 7V D =NEMA 7H x 6V F =NEMA 7H x 7V I =NEMA 4H x 4V* *Use with 112w 5K Model Only. See Page 3 for Distribution Information.	1X81 =81w 1X112 =112w	U =120-277V H =347-480V* *81w Model Only.	3K =3000K* 4K =4000K 5K =5000K *Use with 81w C, D, F Optics. ♦ Use with 112w D & F Optics.	C =Clear Flat Glass Lens	Z =Bronze C =Custom (Consult Factory)	SF = Slipfitter Y =Yoke BR = Two-Piece Swivel Bracket NM =No Mount	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



Shown with "SF" Slipfitter Option.

L70
(25°C) **320,000 Hours**

The Eco-Revolution ECKH25Q flood light is available in two 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 flood lighting applications include building facades, general area and parking lighting, bridges, signage, accentuation of landscape and architectural details, flags, and general security lighting, and ground locations to heights of 25 feet based on light level and uniformity requirements.



Dimensions

Width (D)	13 ³ / ₈ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 ³ / ₈ " (92mm)
Length with Mount (L)	Slipfitter (SF): 18 ³ / ₄ " (476mm) Yoke (Y): 18" (457mm) Bracket (BR): 18 ³ / ₄ " (476mm)

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
Mounting Options:	Mounts with Kitty Hawk Arm, Adjustable Slipfitter, 2 ³ / ₈ " Yoke or Two-Piece Bracket (Factory Installed).
ThermaLED LED:	Aluminum Boards
Wattage:	81w: Array: 80.5w, System: 86.6w; (150-250w HID Equivalent.) 112w: Array: 111.5w, System: 119.9w (250-400w 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.

Certification & Listings:



DesignLights Consortium™
Qualified Luminaires:
 ECKH25QA1X81U5KC* ECKH25QC1X112U5KC*
 ECKH25QA1X112U5KC* ECKH25QD1X81U5KC*
 ECKH25QB1X81U5KC* ECKH25QD1X112U5KC*
 ECKH25QB1X112U5KC* ECKH25QF1X81U5KC*
 ECKH25QC1X81U5KC* ECKH25QF1X112U5KC*



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

5 LOCATIONS
Tampa, FL
Vancouver, WA
Cerritos, CA
Walden, NY
Memphis, TN

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Mounting Options:



ECKH25Q with External Mount Slipfitter (SF)

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



ECKH25Q with Yoke (Y)

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



ECKH25Q with Two-Piece Swivel Bracket (BR)

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

Effective Projected Area (EPA)

	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1X	1	0.60	15 Lbs
2X	2@180° Mount	1.20	30 Lbs
	2@90° Mount	0.82	30 Lbs
3X	3@90° Mount	1.32	45 Lbs
	3@120° Mount	1.20	45 Lbs
4X	4@90° Mount	1.32	60 Lbs

Shown with Slipfitter mounting.

Accessories & Replacement Parts:



ECKH25WG



ECKH25GS

Accessories (Order separately, Field installed)

ECP18140	110-120VAC Instant Twist Lock Photocell
ECP18142	105-287VAC Instant Twist Lock Photocell
ECP18150	120VAC Time Delay Twist Lock Photocell
ECP18152	277VAC Time Delay Twist Lock Photocell
ECP18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
ECP18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
ECKH25WG	Wire Guard, Stainless Steel Construction
ECKH25GSZ	Aluminum Glare Shield, Bronze Powdercoat Finish, Includes Hardware.

Sensors not available for 480V.

Replacement Parts (Order separately, Field installed)

ECKH25GL	Tempered Clear Flat Glass Lens.
ECFL73SFXZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
ECKH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
ECFL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.

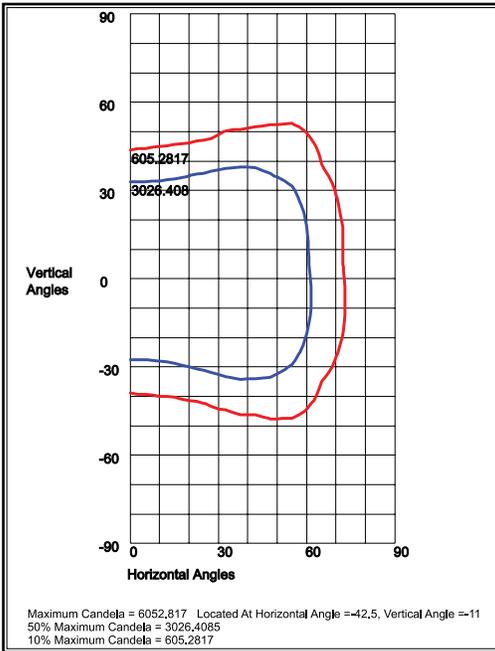
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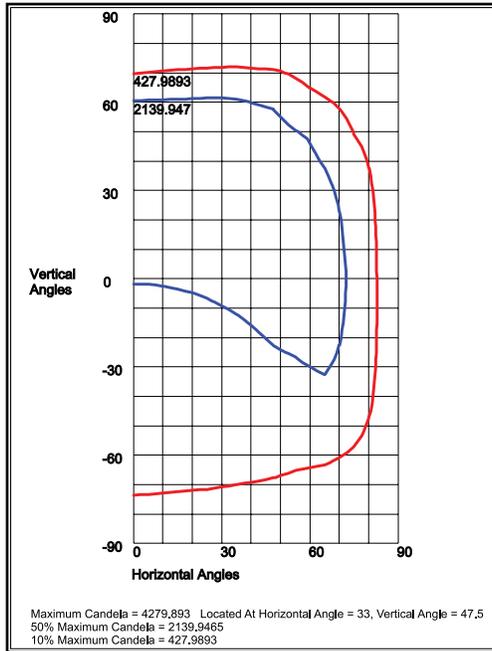


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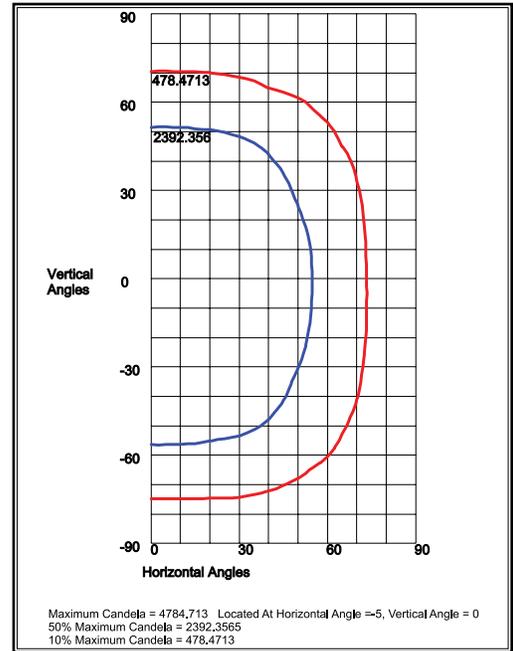
Photometric Data



ECKH25QA1X112U5KC
120°H x 70°V, NEMA 7H x 5V



ECKH25QC1X112U5KC
120°H x 70°V Beam, NEMA 7H x 7V



ECKH25QF1X112U5KC
110°H x 110°V Beam, NEMA 7H x 7V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Beam	5000 CCT 80 CRI		4000 CCT 80 CRI	
				Lumens	LPW	Lumens	LPW
ThermaLED 81w	525	87	A 130°H x 70°V, NEMA 7H x 5V	10,092	120	9,411	112
			B 110°H x 30°V, NEMA 7H x 6V	9,647	115	8,996	107
			C 120°H x 70°V, NEMA 7H x 7V	10,508	125	9,798	116
			D 100°H x 30°V, NEMA 6H x 5V	9,876	117	9,210	109
			F 115°H x 110°V, NEMA 7H x 7V	10,121	120	9,438	112
ThermaLED 112w	525	120	A 130°H x 70°V, NEMA 7H x 5V	14,619	121	13,632	113
			B 110°H x 30°V, NEMA 7H x 6V	13,974	116	13,031	108
			C 120°H x 70°V, NEMA 7H x 7V	15,221	126	14,193	117
			D 110°H x 30°V, NEMA 6H x 5V	13,264	110	12,368	102
			F 115°H x 110°V, NEMA 7H x 7V	14,661	121	13,672	113

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	87	1.00	0.98	0.97	0.93	429,000
L70 Lumen Maintenance @ 25°C / 77°F	120	1.00	0.98	0.95	0.91	320,000
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	87	1.00	0.97	0.94	0.88	259,000
L70 Lumen Maintenance @ 50°C / 122°F	120	1.00	0.95	0.89	0.79	141,000
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	87	1.00	0.97	0.95	0.90	195,000
L80 Lumen Maintenance @ 40°C / 104°F	120	1.00	0.96	0.93	0.85	134,000

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.