

AKH25Q

EasyLED Small Bentley Kitty Hawk Area, Wall, and Flood Light



The LEPG AKH25Q 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:

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 or SoftLED Flat Glass Lens

Mounting Options:

Mounts with Kitty Hawk Arm, Adjustable Slipfitter, 2" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

EasyLED LED:

Aluminum Boards

Driver:

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

Warranty:

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



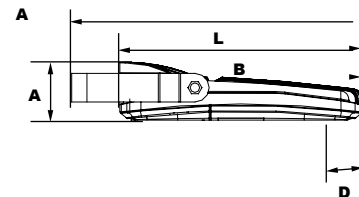
Shown with "KA" Kitty Hawk Arm Mounting Option.



Shown with "EH" Easy-Hang Wall Bracket



Shown with "SF" Slipfitter Option.



Dimensions

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

Length with Mount (L)

- Kitty Hawk Arm (KA):** 19 1/4" (491mm)
- Slipfitter (SF):** 18 3/4" (476mm)
- Mounting Arm Adaptor (MA):** 19 1/2" (486mm)
- Yoke (Y):** 18" (457mm)
- Bracket (BR):** 18 3/4" (476mm)
- Easy-Hang Wall Bracket (KHEH):** 16" (406mm)

Order Information:

Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AKH25Q								
AKH25Q =Small Bentley Kitty Hawk Area, Wall, and Flood Light	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* *Use with 81w & 112w 5K Model Only. See Page 4 & 6 for Distribution Information.	1X65 =65w* 1X81 =81w 1X112 =112w *Use with C & F Optics, 4K & 5K Models Only.	U =120-277V H =347-480V* *81w Model Only.	3K =3000K* 4K =4000K 5K =5000K * Use with 81w B, C, D, F Optics. † Use with 112w D & F Optics.	C =Standard Clear Flat Glass Lens S =SoftLED Flat Glass Lens	Z =Bronze C =Custom (Consult Factory)	KA =Kitty Hawk Arm SF = Slipfitter MA = Mounting Arm Adaptor Y =Yoke BR =Two-Piece Swivel Bracket EH =Easy-Hang Wall Bracket NM =No Mount	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) 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 (120-277V Only)

Job Name: _____

Type: _____

Part #: _____

Notes: _____

Mounting Options:



KH25Q with Kitty Hawk Arm (KA)

Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.



KH25Q with Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



KH25Q with Yoke (Y)

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



KH25Q with "SF" External Mount Slipfitter (SF)

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



KH25Q with Two-Piece Swivel Bracket (BR)

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



KH25Q with Easy-Hang Bracket (EH)

Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.

EPA (Effective Projected Area)

Shown with Small Kitty Hawk Arm mounting.

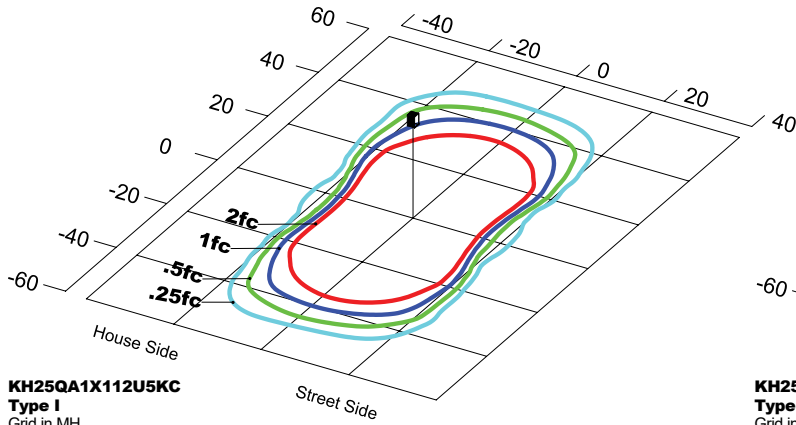
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	0.60	15 Lbs	2@180° Mount	1.20	30 Lbs	3@90° Mount	1.32	45 Lbs	4@90° Mount	1.32	60 Lbs
			2@90° Mount	0.82	30 Lbs	3@120° Mount	1.20	45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

Accessories & Replacement Parts:

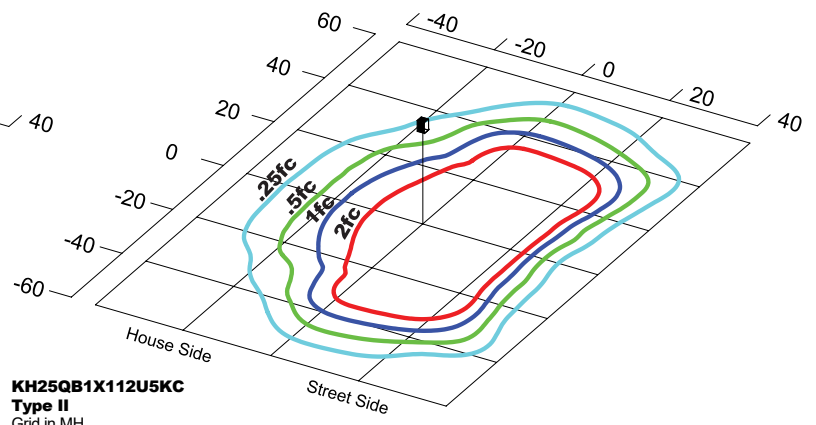
Mounting Accessories (Order Separately, Field Installed)		Accessories (Order Separately, Field Installed)		Replacement Parts (Order Separately, Field Installed)	
KH20RPZ	KH20WMZ	PTSB1SZ	P18131	KH25GL	Tempered Clear Flat Glass Lens.
PTSB290SZ	PTSB2180SZ	PTSB390SZ*	P18132	KH25GLSS	SoftLED Flat Glass Lens
PTSB3120SZ*	PTSB490SZ*	ACCHSG12	P18140	KH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
KH25GSZ	KH25WG	ACCHSG3	P18150	ALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
P17117			P18152	KH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
			P18156	FL73SFXZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
			P18157	FL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
			ACCHSG1Z	KHEHZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
			KH25GSZ	P17117	Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See P17117 Specification Page for Details.
			KH25WG		
			ACCHSG3		

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

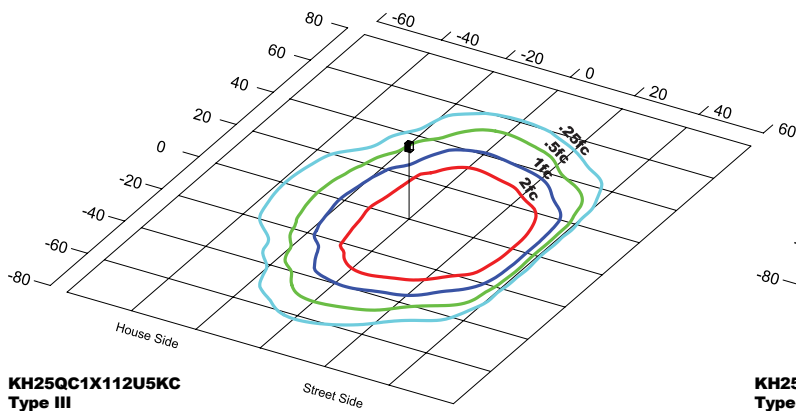
Photometric Data



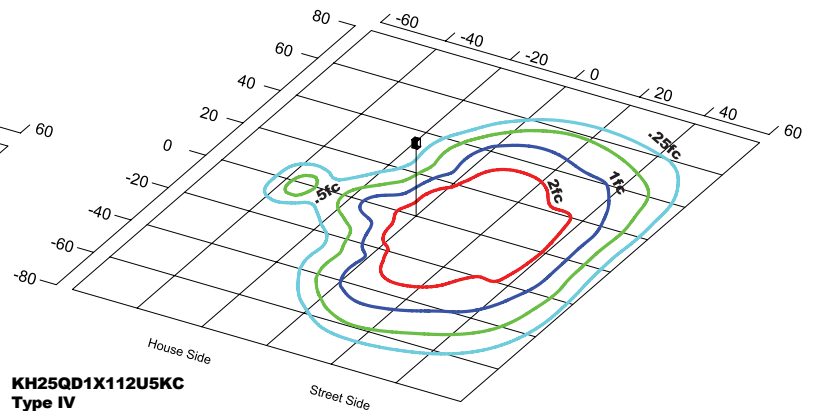
KH25QA1X112U5KC
Type I
 Grid in MH
 MH=20 Feet



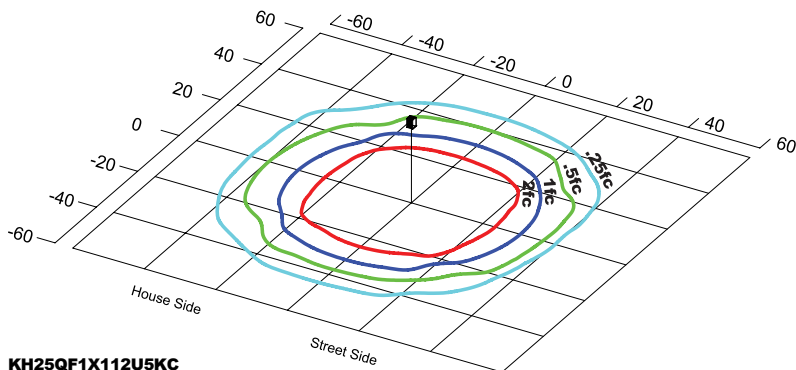
KH25QB1X112U5KC
Type II
 Grid in MH
 MH=20 Feet



KH25QC1X112U5KC
Type III
 Grid in MH
 MH=20 Feet



KH25QD1X112U5KC
Type IV
 Grid in MH
 MH=20 Feet



KH25QF1X112U5KC
Type V
 Grid in MH
 MH=20 Feet

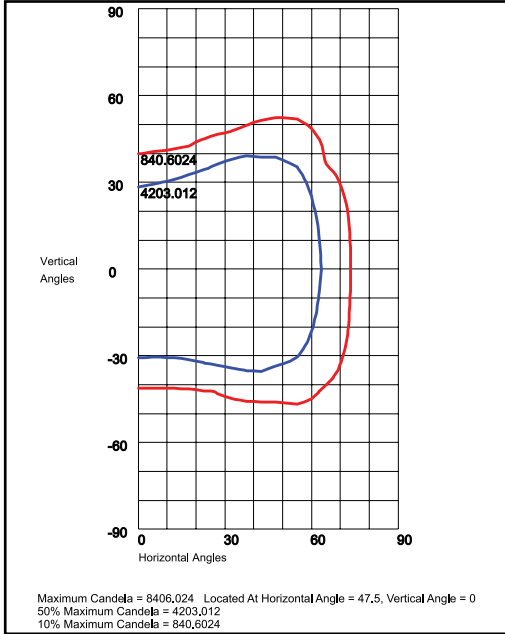


Job Name: _____
 Type: _____
 Part #: _____
 Notes: _____

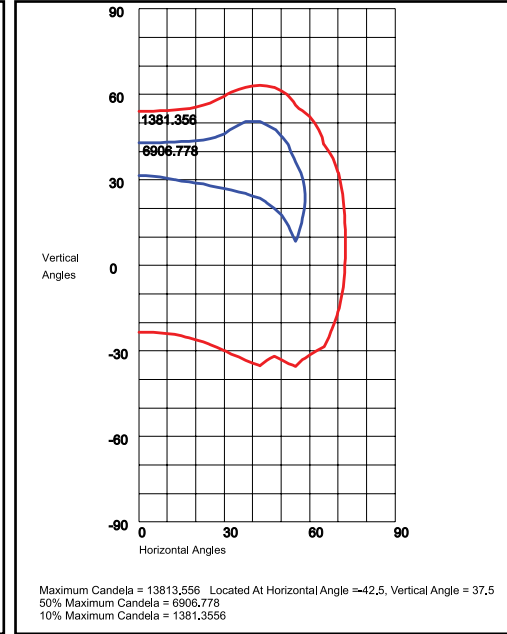
Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI						
			Optics	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
EasyLED 65w	525	68	C	Type III	7,089	105	2	0	2	6,823	101	2	0	2	-	-	-	-	-
			F	Type V	6,762	100	2	0	0	6,508	96	2	0	0	-	-	-	-	-
EasyLED 81w	525	84	A	Type I	10,503	125	3	0	2	10,109	120	3	0	1	-	-	-	-	-
			B	Type II	10,019	119	2	0	2	9,644	115	2	0	2	9,268	110	2	0	2
			C	Type III	11,007	131	2	0	2	10,594	126	2	0	2	10,181	121	2	0	2
			D	Type IV	10,338	123	1	0	2	9,950	118	1	0	2	9,563	114	1	0	2
			F	Type V	10,499	125	3	0	1	10,106	120	3	0	1	9,712	115	3	0	1
EasyLED 112w	525	121	A	Type I	15,214	126	3	0	2	14,644	121	3	0	2	-	-	-	-	-
			B	Type II	14,514	120	2	0	2	13,970	115	2	0	2	-	-	-	-	-
			C	Type III	15,944	132	3	0	3	15,346	127	3	0	3	-	-	-	-	-
			D	Type IV	14,039	116	2	0	3	13,513	112	2	0	3	12,986	107	2	0	3
			F	Type V	15,209	126	3	0	1	13,637	113	3	0	1	13,161	109	3	0	1

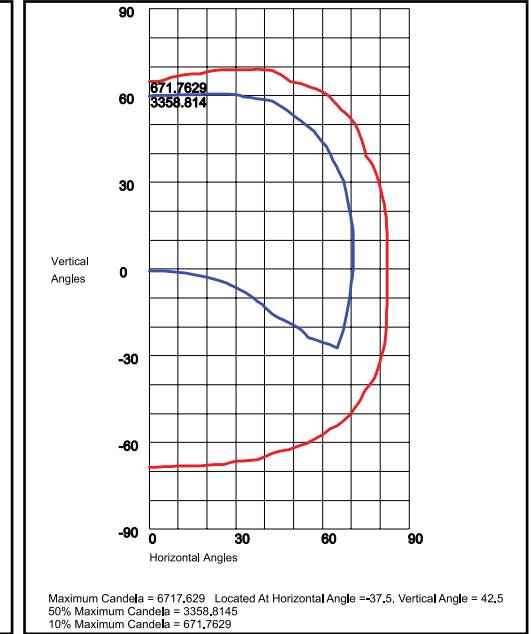
Photometric Data



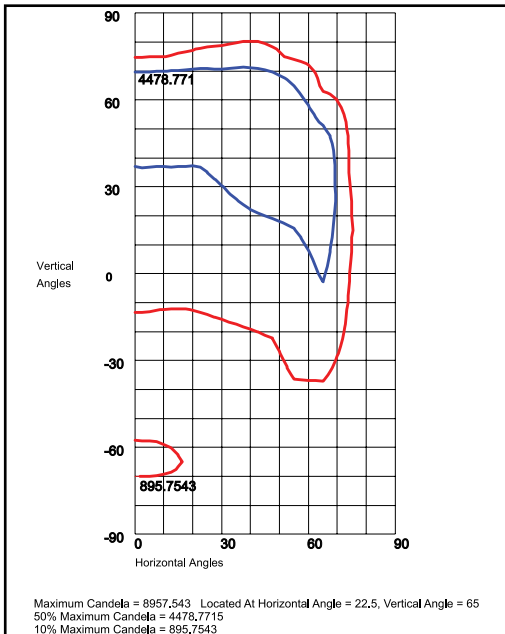
KH25QA1X112U5KC
 130°H x 70°V, NEMA 7H x 5V



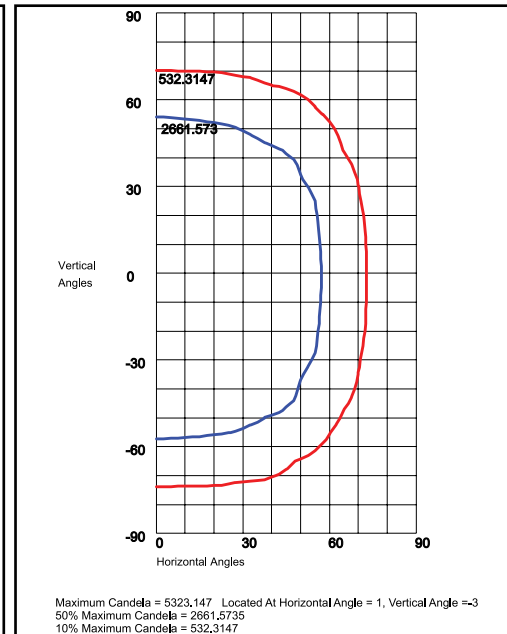
KH25QB1X112U5KC
 110°H x 30°V, NEMA 7H x 6V



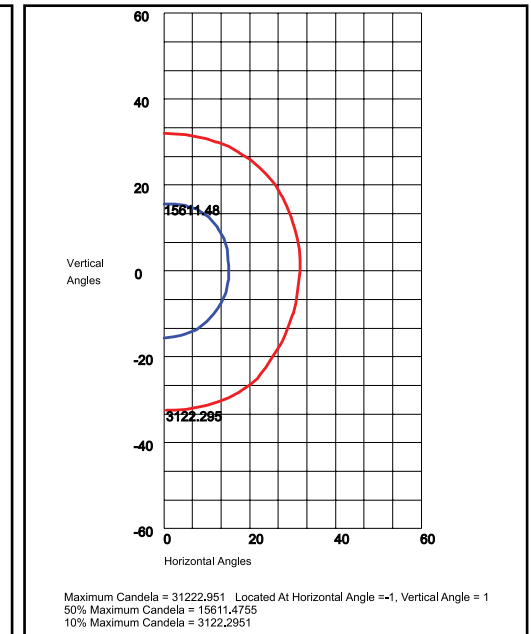
KH25QC1X112U5KC
 120°H x 70°V, NEMA 7H x 7V



KH25QD1X112U5KC
 110°H x 30°V, NEMA 6H x 5V



KH25QF1X112U5KC
 115°H x 110°V, NEMA 7H x 7V



KH25QI1X112U5KC
 30°H x 30°V, NEMA 4H x 4V



Job Name: _____

Type: _____

Part #: _____

Notes: _____

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	Lumens	LPW	Lumens	LPW
EasyLED 65w	525	68	C 120°H x 70°V, NEMA 7H x 7V	7,038	104	6,774	100	-	-
			F 115°H x 110°V, NEMA 7H x 7V	6,779	100	6,525	97	-	-
EasyLED 81w	525	84	A 130°H x 70°V, NEMA 7H x 5V	10,496	125	10,102	120	-	-
			B 110°H x 30°V, NEMA 7H x 6V	10,033	119	9,657	115	9,280	110
			C 120°H x 70°V, NEMA 7H x 7V	10,928	130	10,518	125	10,108	120
			D 100°H x 30°V, NEMA 6H x 5V	10,271	122	9,886	117	9,501	113
			F 115°H x 110°V, NEMA 7H x 7V	10,526	125	10,131	120	9,737	116
			I 30°H x 30°V, NEMA 4H x 4V	10,181	121	-	-	-	-
EasyLED 112w	525	121	A 130°H x 70°V, NEMA 7H x 5V	15,204	126	14,634	121	-	-
			B 110°H x 30°V, NEMA 7H x 6V	14,533	120	13,988	116	-	-
			C 120°H x 70°V, NEMA 7H x 7V	15,830	131	15,236	126	-	-
			D 110°H x 30°V, NEMA 6H x 5V	13,794	114	13,277	110	12,760	105
			F 115°H x 110°V, NEMA 7H x 7V	15,248	126	13,672	113	13,195	109
			I 30°H x 30°V, NEMA 4H x 4V	14,078	116	-	-	-	-

Projected Lumen Maintenance

Data shown for 5000 CCT TM-21-11	Input Watts	Initial	Compare to MH			Calculated L70@ 25°C
			25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	121	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	121	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	121	1.00	0.96	0.93	0.85	134,000

- NOTES:**
1. 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.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.