

Features and Specifications

Application - Roadway lighting for pedestrian roadways, streets and highways; Area and site lighting for parking lot, playground, sport area, campuses etc; Available to replace traditional MH or HPS lamp up to 600W.

Construction - Rugged die-cast aluminum housing with corrosion resistant hardware, super durable powder coating finish withstand extreme climate changes without cracking or peeling.

Air-flow through anodized heat sink design provides perfect heat management to guarantee long life of the LED. Smooth and glossy processing with natural clean system prevents debris build-up and minimizes wind loading.

Modular design with quick connection terminal optimizes construction and assembly, allows for easy maintenance, upgrade and SKD purchasing for local assembly.

Dual-hoop mounting system fitted to 40-60mm (O.D.) mast-arms accommodates safety and stability. Capable of being adjusted the degree of +15, +10, +5, 0.

Electronics and optical sections are independent and separated reducing thermal conductivity between each other, keep the driver out of the heat source from LED.

IP65 (EN60529 compliant) rated to the luminaire

LED & Optics - Eutectic led packaging technology is applied for low heat resistance, low light degradation, high efficiency and long life (Projected L70>50000h @ Ta 25C). High efficiency Pure white (5000-5800K) & Warm white (4000-4500K) with CRI 70 rated or customized CCT LED are available.

Precise optic lens in high intensity PC material with IESNA Type I, & Type III provides high uniformity and optimal luminaire spacing, the optical system optimizes the light distribution, eliminate the waste of light, increase the reasonable and effective using of light.

Electronics - Universal driver is available in 100-240Vac, 50/60Hz, power factor > 90% and THD <20%. 12V/24VDC is available for options.

Tool-less 360 degree rotatable twist-lock photocell control ANSI C136.10 compliant is available for options.

Listings - CE approved, CB tested by TUV, RoHS compliant

Warranty - 5 years limited

Note: all specifications subject to change without notice.

**BBELED® Street Light
U™ series**



100-240Vac 50/60Hz or 12/24VDC

5000-5800K / 4000-4500K

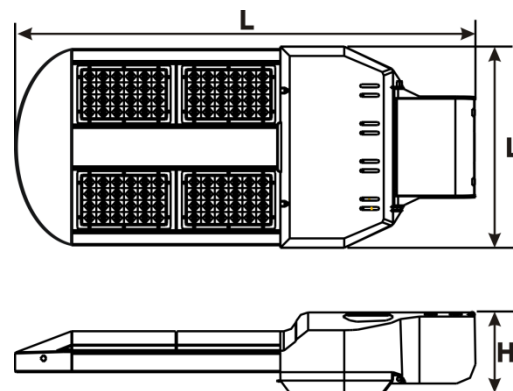
CRI 70 rated

Up to 100LPW

PF>0.9, THD<20%

L70>50000h @ Ta 25° C (77° F)

Work Temp.: -30~50° C (-22~122° F)



Dimension & Weight

dimension is in mm (inch), kg(lb)

	U2	U4	U6	U8
L	568 (22.4")	735 (28.9")	902 (35.5")	1069(42.1")
W	320 (12.6")	320 (12.6")	320 (12.6")	320 (12.6")
H	129 (5.1')	129 (5.1')	129 (5.1')	129 (5.1')
Weight	5.6 (12.3lb)	8.8 (19.4lb)	11.4 (25.1lb)	15(33.1lb)
<u>Shipping data</u>				
CBM	n/a	n/a	n/a	n/a
G.W.	n/a	n/a	n/a	n/a

Ordering information:

Example: U2-EPW1SL1-PC

Series	#of module	-	Voltage	CCT	Optics	LED Bin	-	Options
U	2	-	E	PW	1S	L1	-	PC
U	2 4 6 8		E: 100-240Vac D ¹ : 12/24Vdc	NW: 4000-4500K PW: 5000-5800K	VS: 120x60 1S: 140x60 3S: Type 3S	L1: Level 1 (standard) L4: Level 4 (hi-efficiency)		PR ² : photocell receptacle PC ² : photocell control

*Consult your sales representative for the options and the lead time will be varied depending on the options selected.

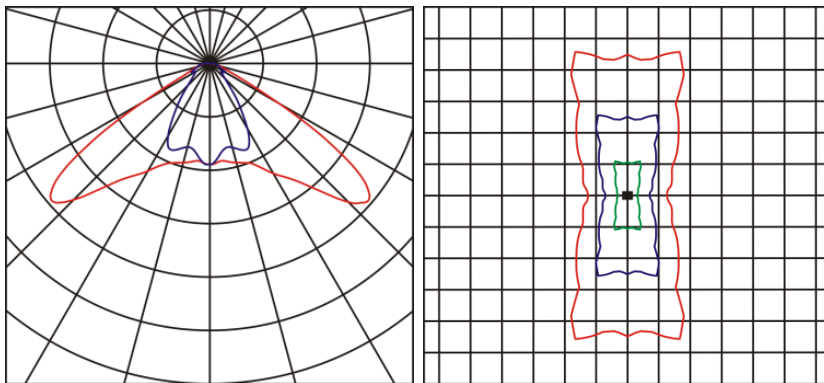
1: Only available for U/2/4.

2: Not available for voltage D (12/24Vdc)

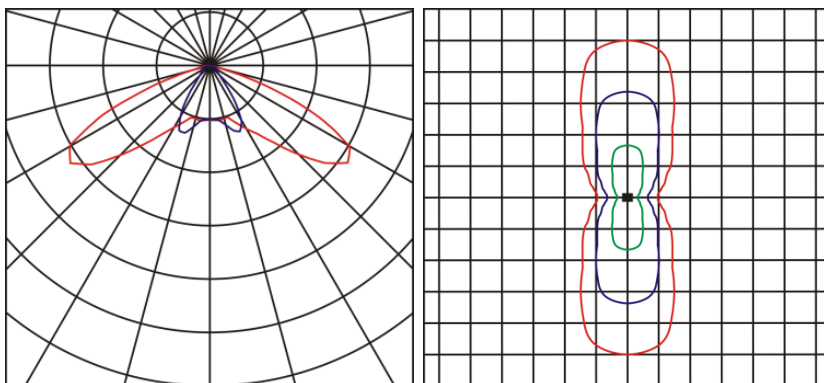
Electrical Data:

	Number of LEDs	LED drive current(mA)	Rated Power(W)	Total Current (Amp)			
				120V	220V	230V	240V
U2	48	350	60	0.48	0.27	0.26	0.25
U4	96	350	120	0.942	0.514	0.49	0.477
U6	144	350	180	1.418	0.781	0.747	0.726
U8	192	350	240	1.912	1.151	1.01	0.96

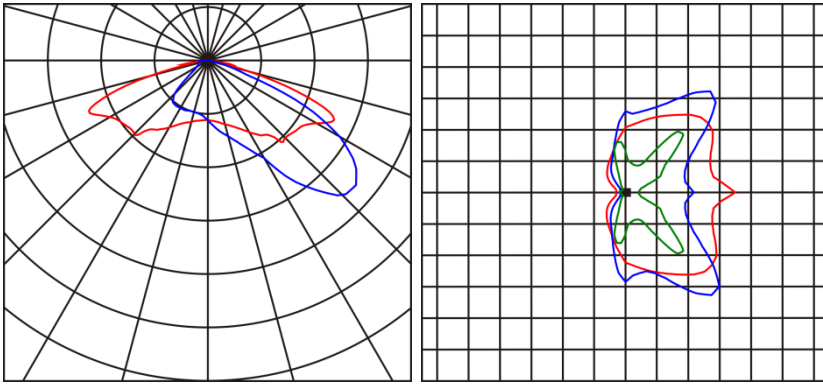
Optical & Photometric



VS: IESNA Type I



1S: IESNA Type I



3S IESNA Type III

Cat No.	CCT	Power (W)	Initial Lumen (lm)	Efficiency (LPW)	Optics	LED Bin	IES file	IES date (mm/dd/yy)
U2-EPW1SL1	5000-5800K	56	5391	96	1S	L1	U2-EPW1SL1.ies	03/14/14
U2-EPW1SL4	5000-5800K	56	5761	103	1S	L4	U2-EPW1SL4.ies	04/28/14
U2-EPWVSL1	5000-5800K	56	5265	94	VS	L1	U2-EPWVSL1.ies	04/15/14
U2-EPWVSL4	5000-5800K	56	5627	100	VS	L4	U2-EPWVSL4.ies	04/28/14
U2-EPW3SL1	5000-5800K	56	5328	95	3S	L1	U2-EPW3SL1.ies	04/09/14
U2-EPW3SL4	5000-5800K	56	5694	102	3S	L4	U2-EPW3SL4.ies	04/30/14
U4-EPW1SL1	5000-5800K	110	10536	96	1S	L1	U4-EPW1SL1.ies	03/14/14
U4-EPW1SL4	5000-5800K	110	11334	103	1S	L4	U4-EPW1SL4.ies	04/28/14
U4-EPWVSL1	5000-5800K	110	10297	94	VS	L1	U4-EPWVSL1.ies	04/15/14
U4-EPWVSL4	5000-5800K	110	11070	101	VS	L4	U4-EPWVSL4.ies	04/28/14
U4-EPW3SL1	5000-5800K	110	10414	95	3S	L1	U4-EPW3SL1.ies	04/09/14
U4-EPW3SL4	5000-5800K	110	11202	102	3S	L4	U4-EPW3SL4.ies	04/30/14
U6-EPW1SL1	5000-5800K	166	15804	95	1S	L1	U6-EPW1SL1.ies	03/14/14
U6-EPW1SL4	5000-5800K	166	17066	103	1S	L4	U6-EPW1SL4.ies	04/28/14
U6-EPWVSL1	5000-5800K	166	15437	93	VS	L1	U6-EPWVSL1.ies	04/15/14
U6-EPWVSL4	5000-5800K	166	16669	100	VS	L4	U6-EPWVSL4.ies	04/28/14
U6-EPW3SL1	5000-5800K	166	15709	95	3S	L1	U6-EPW3SL1.ies	04/09/14
U6-EPW3SL4	5000-5800K	166	16868	102	3S	L4	U6-EPW3SL4.ies	04/30/14
U8-EPW1SL1	5000-5800K	220	21073	96	1S	L1	U8-EPW1SL1.ies	01/14/14
U8-EPW1SL4	5000-5800K	220	22668	103	1S	L4	U8-EPW1SL4.ies	01/14/14
U8-EPWVSL1	5000-5800K	220	20583	94	VS	L1	U8-EPWVSL1.ies	01/15/14
U8-EPWVSL4	5000-5800K	220	22141	101	VS	L4	U8-EPWVSL4.ies	04/28/14
U8-EPW3SL1	5000-5800K	220	20828	95	3S	L1	U8-EPW3SL1.ies	04/10/14
U8-EPW3SL4	5000-5800K	220	22404	102	3S	L4	U8-EPW3SL4.ies	04/30/14

*the above data is based on BBELED lab test result, and is kept updating, changes will be not informed.

