

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.

Modular design with quick connection terminal optimizes construction and assembly, allows for easy maintenance, upgrade and SKD purchasing for local assembly. Top accessing cover for wiring connection makes easy maintenance and operation.

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%.

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

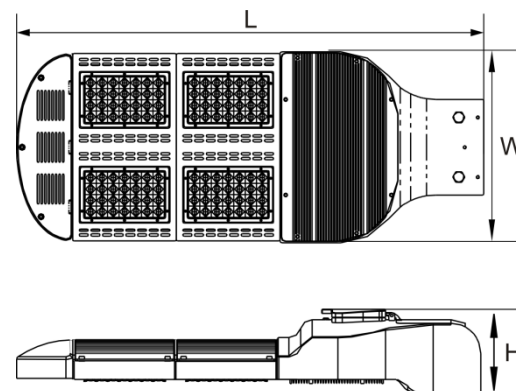
Warranty - 5 years limited

Note: all specifications subject to change without notice.

**BBELED® Street Light
LU™ 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)

	LU1	LU2	LU4	LU6	LU8
L	598 (23.5")	610 (24.0")	784 (30.9")	958 (37.7")	1132 (44.6")
W	265 (10.4")	320 (12.6")	320 (12.6")	320 (12.6")	320 (12.6")
H	203 (8.0")	144 (5.7")	144 (5.7")	144 (5.7")	144 (5.7")
Weight	5.3 (11.7lb)	9.7 (21.4lb)	12.4 (27.3lb)	14.8 (32.6lb)	17.4 (38.4lb)
<u>Shipping data</u>					
CBM	0.065	0.07	0.086	0.104	0.138
G.W.	7.1(15.7lb)	11.4 (25.1lb)	14.4(31.7lb)	17.2 (37.9lb)	20.3 (44.8lb)

Ordering information:

Example: LS2-EPW1SL1-PC

Series	#of module	-	Voltage	CCT	Optics	LED bin	-	Options
LU	2	-	E	PW	1S	L1	-	PC
LU	1 2 4 6 8		E: 100-240Vac D1 ¹ : 12Vdc D2 ¹ : 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.

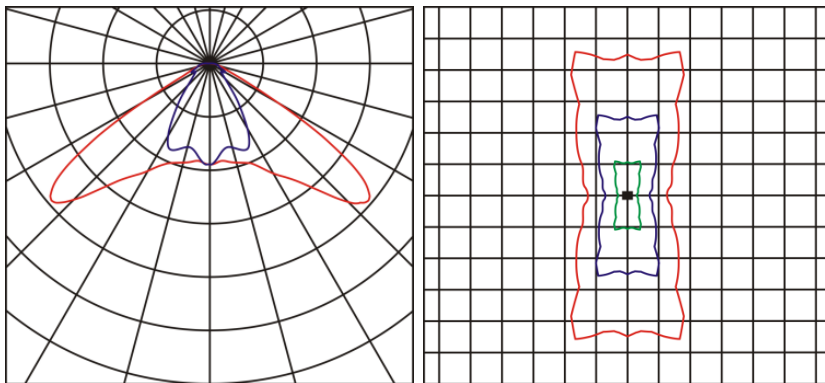
1: Only available for LU1/2/4.

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

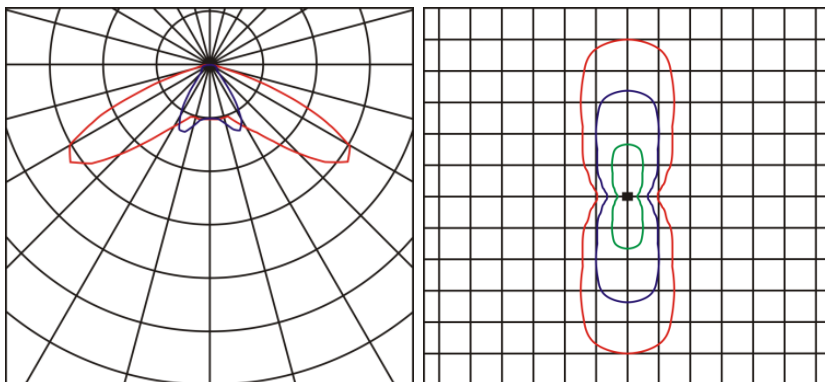
Electrical Data:

	Number of LEDs	LED drive current(mA)	Rated Power(W)	Total Current (Amp)			
				120V	220V	230V	240V
LU1	28	350	30	0.254	0.151	0.146	0.142
LU2	56	350	70	0.569	0.314	0.3	0.29
LU4	112	350	140	1.11	0.62	0.59	0.57
LU6	168	350	210	1.69	0.937	0.9	0.86
LU8	224	350	280	2.29	1.23	1.19	1.14

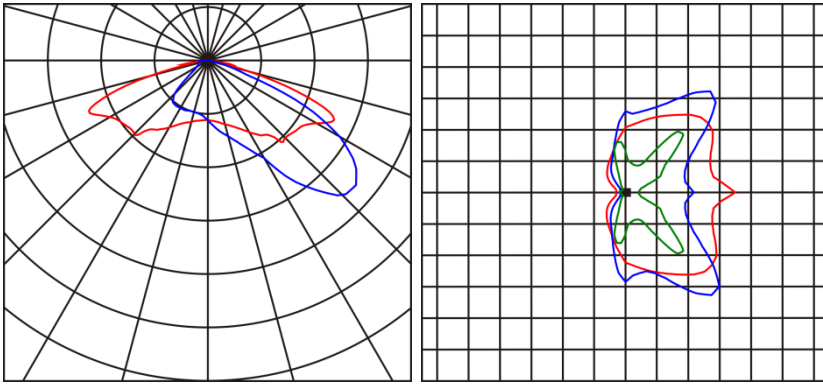
Optical & Photometric



VS: IESNA Type I



1S: IESNA Type I



3S: IESNA Type III

Cat No.	CCT	Power (W)	Initial Lumen (lm)	Efficiency (LPW)	Optics	LED level	IES file	IES date (mm/dd/yy)
LU1-EPW1SL1	5000-5800K	37	3286	89	1S	L1	LU1-EPW1SL1.ies	03/05/14
LU1-EPW3SL1	5000-5800K	37	3377	91	3S	L1	LU1-EPW3SL1.ies	04/30/14
LU1-EPW1SL4	5000-5800K	37	3582	97	1S	L4	LU1-EPW1SL4.ies	04/28/14
LU1-EPW3SL4	5000-5800K	37	3681	99	3S	L4	LU1-EPW3SL4.ies	04/28/14
LU2-EPW1SL1	5000-5800K	67	5912	88	1S	L1	LU2-EPW1SL1.ies	03/11/14
LU2-EPW3SL1	5000-5800K	67	6195	92	3S	L1	LU2-EPW3SL1.ies	04/30/14
LU2-EPW1SL4	5000-5800K	67	6546	98	1S	L4	LU2-EPW1SL4.ies	04/21/14
LU2-EPW3SL4	5000-5800K	67	6777	101	3S	L4	LU2-EPW3SL4.ies	04/28/14
LU4-EPW1SL1	5000-5800K	131	11824	90	1S	L1	LU4-EPW1SL1.ies	03/11/14
LU4-EPW3SL1	5000-5800K	131	12390	95	3S	L1	LU4-EPW3SL1.ies	04/30/14
LU4-EPW1SL4	5000-5800K	131	12808	98	1S	L4	LU4-EPW1SL4.ies	04/21/14
LU4-EPW3SL4	5000-5800K	131	13262	101	3S	L4	LU4-EPW3SL4.ies	04/28/14
LU6-EPW1SL1	5000-5800K	194	17603	91	1S	L1	LU6-EPW1SL1.ies	03/11/14
LU6-EPW3SL1	5000-5800K	194	18446	95	3S	L1	LU6-EPW3SL1.ies	04/30/14
LU6-EPW1SL4	5000-5800K	194	19297	100	1S	L4	LU6-EPW1SL4.ies	04/21/14
LU6-EPW3SL4	5000-5800K	194	19981	103	3S	L4	LU6-EPW3SL4.ies	04/28/14
LU8-EPW1SL1	5000-5800K	266	23642	89	1S	L1	LU8-EPW1SL1.ies	03/11/14
LU8-EPW3SL1	5000-5800K	266	24774	93	3S	L1	LU8-EPW3SL1.ies	04/30/14
LU8-EPW1SL4	5000-5800K	266	25988	98	1S	L4	LU8-EPW1SL4.ies	04/22/14
LU8-EPW3SL4	5000-5800K	266	26909	101	3S	L4	LU8-EPW3SL4.ies	04/28/14

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

