Features and Specifications

® *Street Light LS™ series*

Application - General lighting for all roadways, avenues, street etc., area and site lighting for parking lot, playground, sport area etc. Available to replace traditional MH or HPS luminaires 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 heat sink design provides perfect heat management, lighter but stronger construction. Smooth and glossy processing with natural clean system prevents debris build-up and minimizes wind loading.

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

Tool-less access to the down-opening driver door makes easy maintenance and operation.

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, -5.

IP65 (EN60529 compliant) rated to the luminaire

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

5000-5800K / 4000-4500K

CRI 70 rated

Up to 110LPW

PF>0.95, THD<15%

Projected L70>50000h @ Ta 25º C (77º F)

Work Temp.: -30~50º C (-22~122º F)

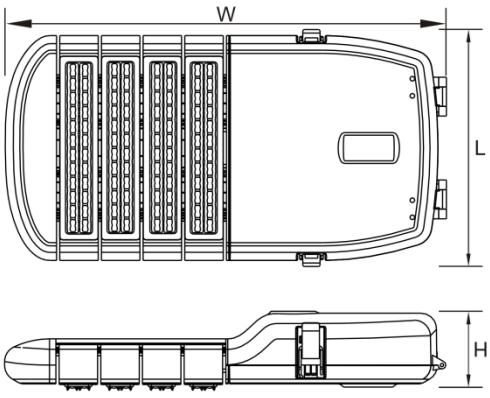
LED & Optics - Eutectic led packaging technology is applied for low heat resistance, low light degradation, high efficiency and long life (Projected L70>50000h @ Ta 25C). High efficiency Pure white (5000-5800K) & Warm white (4000-4500K) with CRI 70 rated or customized CCT LED are available. Light efficiency is up to 110lm/W

Precise optic lens in high intensity PC material with IESNA Type I, Type II & 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 > 95% and THD <15%, IP67 waterproof.

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

0-10V or PWM dimming is available for options, control by others.



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

Warranty - 5 years limited

Note: all specifications subject to change without notice.

Dimension & Weight

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

	LS1	LS2	LS3	LS4	LS5	LS6	LS7	LS8
L	493 (19.4')	558 (22.0')	623 (24.5')	688 (27.1')	753 (29.7')	818 (32.2')	883 (34.8')	948 (37.3')
W	369 (14.5')	369 (14.5')	369 (14.5')	369 (14.5')	369 (14.5')	369 (14.5')	369 (14.5')	369 (14.5')
H	118 (4.7')	118 (4.7')	118 (4.7')	118 (4.7')	118 (4.7')	118 (4.7')	118 (4.7')	118 (4.7')
Weight	5.4 (11.9lb)	6.4 (14.1lb)	7.3 (16.1lb)	8.4 (18.5lb)	9.9 (21.8lb)	11.0 (24.3lb)	11.5 (25.4lb)	13.2 (29.1lb)
								Shipping data
CBM	n/a	0.051	0.056	0.062	0.067	0.072	0.077	0.083
G.W.	n/a	8.8 (19.4lb)	9.7 (21.4lb)	11 (24.25lb)	12.5 (27.6lb)	13.8 (30.4lb)	14.4 (31.8lb)	16.2 (35.7lb)

Ordering information:

Example: LS2-EPW2MLL1-PC

Series	#of module	-	Voltage	CCT	Optics	LED Bin	-	Options
LS	2	-	E	PW	2ML	L1	-	PC
LS	1 2 3 4 5 6 7 8		E: 100-240Vac D[1]: 12/24Vdc	NW: 4000-4500K PW: 5000-5800K	VS: 120x60 1S: 140x60 2MS: Type 2MS 2ML: Type 2ML 3M: Type 3M	L1: Level 1 (standard) L4: Level 4 (hi-efficiency)		PR[2]: photocell receptacle PC[2]: photocell control VD[2]: 0-10V dimming PD[2]: PWM dimming

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

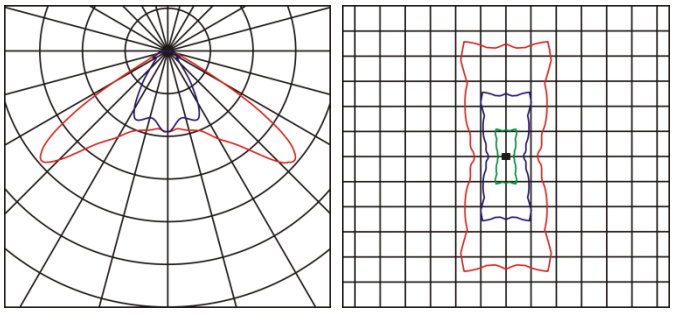
1: Only available for LS1/2/3/4.

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

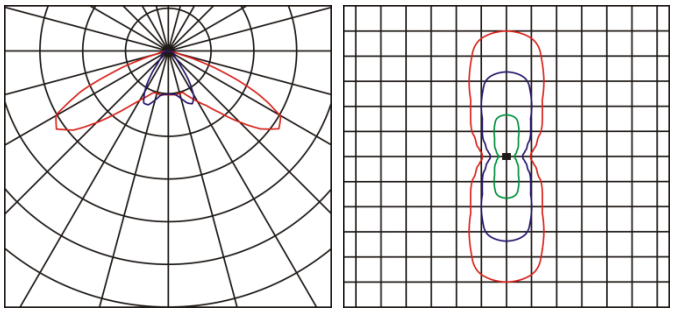
Electrical Data:

	Number of LEDs	LED drive current(mA)	Rated Power(W)	Total Current (Amp)			
				120V	220V	230V	240V
LS1	24	350	30	0.257	0.143	0.138	0.133
LS2	48	350	60	0.476	0.267	0.257	0.249
LS3	72	350	90	0.71	0.396	0.382	0.368
LS4	96	350	120	0.927	0.51	0.49	0.473
LS5	120	350	150	1.19	0.666	0.642	0.618
LS6	144	350	180	1.44	0.803	0.774	0.746
LS7	168	350	210	1.656	0.917	0.882	0.851
LS8	192	350	240	1.869	1.024	0.98	0.95

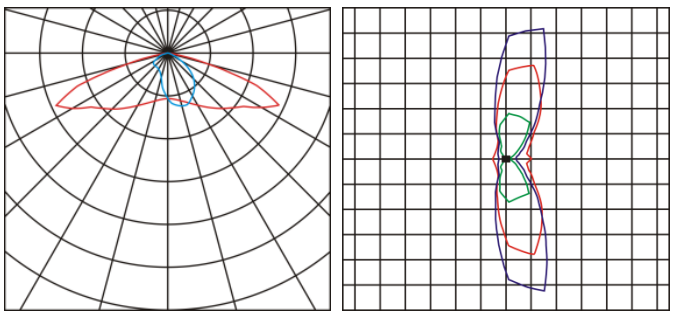
Optical & Photometric



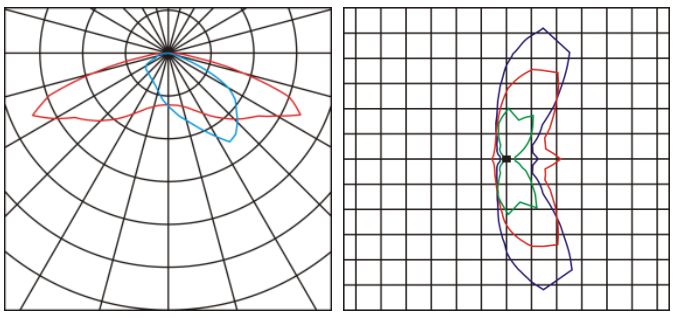
VS: IESNA Type I



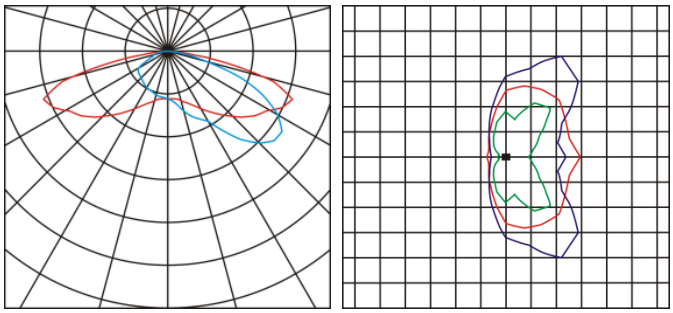
1S: IESNA Type I



2MS: IESNA Type II



2ML: IESNA Type II



3M: IESNA Type III

Cat No.	CCT	Power (W)	Initial Lumen (lm)	Efficiency (LPW)	Optics	LED bin	IES file	IES Date (mm/dd/yy)
LS1-EPW1SL1	5000-5800K	31	2616	84	1S	L1	LS1-EPW1SL1.ies	02/24/14
LS1-EPW2MSL1	5000-5800K	31	2845	92	2MS	L1	LS1-EPW2MSL1.ies	04/01/14
LS1-EPW2MLL1	5000-5800K	31	2836	91	2ML	L1	LS1-EPW2MLL1.ies	04/05/14
LS1-EPW3ML1	5000-5800K	31	2807	91	3M	L1	LS1-EPW3ML1.ies	04/03/14
LS1-EPW1SL4	5000-5800K	31	2854	92	1S	L4	LS1-EPW1SL4.ies	04/28/14
LS1-EPW2MSL4	5000-5800K	31	3053	98	2MS	L4	LS1-EPW2MSL4.ies	04/27/14
LS1-EPW2MLL4	5000-5800K	31	3009	97	2ML	L4	LS1-EPW2MLL4.ies	04/29/14
LS1-EPW3ML4	5000-5800K	31	3046	98	3M	L4	LS1-EPW3ML4.ies	04/29/14
LS2-EPW1SL1	5000-5800K	56	5232	93	1S	L1	LS2-EPW1SL1.ies	02/24/14
LS2-EPW2MSL1	5000-5800K	56	5689	102	2MS	L1	LS2-EPW2MSL1.ies	04/01/14
LS2-EPW2MLL1	5000-5800K	56	5673	101	2ML	L1	LS2-EPW2MLL1.ies	04/05/14
LS2-EPW3ML1	5000-5800K	56	5614	100	3M	L1	LS2-EPW3ML1.ies	04/03/14
LS2-EPW1SL4	5000-5800K	56	5715	102	1S	L4	LS2-EPW1SL4.ies	04/28/14
LS2-EPW2MSL4	5000-5800K	56	6113	109	2MS	L4	LS2-EPW2MSL4.ies	04/27/14
LS2-EPW2MLL4	5000-5800K	56	6026	108	2ML	L4	LS2-EPW2MLL4.ies	04/29/14
LS2-EPW3ML4	5000-5800K	56	6100	109	3M	L4	LS2-EPW3ML4.ies	04/29/14
LS3-EPW1SL1	5000-5800K	86	7759	90	1S	L1	LS3-EPW1SL1.ies	02/24/14
LS3-EPW2MSL1	5000-5800K	86	8489	99	2MS	L1	LS3-EPW2MSL1.ies	04/01/14
LS3-EPW2MLL1	5000-5800K	86	8465	98	2ML	L1	LS3-EPW2MLL1.ies	04/05/14
LS3-EPW3ML1	5000-5800K	86	8376	97	3M	L1	LS3-EPW3ML1.ies	04/03/14
LS3-EPW1SL4	5000-5800K	86	8503	99	1S	L4	LS3-EPW1SL4.ies	04/28/14
LS3-EPW2MSL4	5000-5800K	86	9094	106	2MS	L4	LS3-EPW2MSL4.ies	04/27/14
LS3-EPW2MLL4	5000-5800K	86	8965	104	2ML	L4	LS3-EPW2MLL4.ies	04/29/14
LS3-EPW3ML4	5000-5800K	86	9075	106	3M	L4	LS3-EPW3ML4.ies	04/29/14
LS4-EPW1SL1	5000-5800K	110	10284	94	1S	L1	LS4-EPW1SL1.ies	02/24/14
LS4-EPW2MSL1	5000-5800K	110	11321	103	2MS	L1	LS4-EPW2MSL1.ies	04/01/14
LS4-EPW2MLL1	5000-5800K	110	11288	103	2ML	L1	LS4-EPW2MLL1.ies	04/05/14
LS4-EPW3ML1	5000-5800K	110	11170	102	3M	L1	LS4-EPW3ML1.ies	04/03/14
LS4-EPW1SL4	5000-5800K	110	11265	102	1S	L4	LS4-EPW1SL4.ies	04/28/14
LS4-EPW2MSL4	5000-5800K	110	12049	110	2MS	L4	LS4-EPW2MSL4.ies	04/27/14
LS4-EPW2MLL4	5000-5800K	110	11877	108	2ML	L4	LS4-EPW2MLL4.ies	04/29/14
LS4-EPW3ML4	5000-5800K	110	12023	109	3M	L4	LS4-EPW3ML4.ies	04/29/14
LS5-EPW1SL1	5000-5800K	142	12931	91	1S	L1	LS5-EPW1SL1.ies	02/24/14
LS5-EPW2MSL1	5000-5800K	142	14224	100	2MS	L1	LS5-EPW2MSL1.ies	04/01/14
LS5-EPW2MLL1	5000-5800K	142	14182	100	2ML	L1	LS5-EPW2MLL1.ies	04/05/14
LS5-EPW3ML1	5000-5800K	142	14034	99	3M	L1	LS5-EPW3ML1.ies	04/03/14

LS5-EPW1SL4	5000-5800K	142	14243	100	1S	L4	LS5-EPW1SL4.ies	04/28/14
LS5-EPW2MSL4	5000-5800K	142	15235	107	2MS	L4	LS5-EPW2MSL4.ies	04/27/14
LS5-EPW2MLL4	5000-5800K	142	15017	106	2ML	L4	LS5-EPW2MLL4.ies	04/29/14
LS5-EPW3ML4	5000-5800K	142	15202	107	3M	L4	LS5-EPW3ML4.ies	04/29/14
LS6-EPW1SL1	5000-5800K	171	15517	91	1S	L1	LS6-EPW1SL1.ies	02/24/14
LS6-EPW2MSL1	5000-5800K	171	16982	99	2MS	L1	LS6-EPW2MSL1.ies	04/01/14
LS6-EPW2MLL1	5000-5800K	171	16932	99	2ML	L1	LS6-EPW2MLL1.ies	04/05/14
LS6-EPW3ML1	5000-5800K	171	16755	98	3M	L1	LS6-EPW3ML1.ies	04/03/14
LS6-EPW1SL4	5000-5800K	171	17005	99	1S	L4	LS6-EPW1SL4.ies	04/28/14
LS6-EPW2MSL4	5000-5800K	171	18189	106	2MS	L4	LS6-EPW2MSL4.ies	04/27/14
LS6-EPW2MLL4	5000-5800K	171	17930	105	2ML	L4	LS6-EPW2MLL4.ies	04/29/14
LS6-EPW3ML4	5000-5800K	171	18150	106	3M	L4	LS6-EPW3ML4.ies	04/29/14
LS7-EPW1SL1	5000-5800K	195	18103	93	1S	L1	LS7-EPW1SL1.ies	02/24/14
LS7-EPW2MSL1	5000-5800K	195	19808	102	2MS	L1	LS7-EPW2MSL1.ies	04/02/14
LS7-EPW2MLL1	5000-5800K	195	19751	101	2ML	L1	LS7-EPW2MLL1.ies	04/05/14
LS7-EPW3ML1	5000-5800K	195	19545	100	3M	L1	LS7-EPW3ML1.ies	04/03/14
LS7-EPW1SL4	5000-5800K	195	19814	102	1S	L4	LS7-EPW1SL4.ies	04/28/14
LS7-EPW2MSL4	5000-5800K	195	21193	109	2MS	L4	LS7-EPW2MSL4.ies	04/28/14
LS7-EPW2MLL4	5000-5800K	195	20891	107	2ML	L4	LS7-EPW2MLL4.ies	04/29/14
LS7-EPW3ML4	5000-5800K	195	21148	108	3M	L4	LS7-EPW3ML4.ies	04/29/14
LS8-EPW1SL1	5000-5800K	222	20568	93	1S	L1	LS8-EPW1SL1.ies	02/24/14
LS8-EPW2MSL1	5000-5800K	222	22642	102	2MS	L1	LS8-EPW2MSL1.ies	04/02/14
LS8-EPW2MLL1	5000-5800K	222	22576	102	2ML	L1	LS8-EPW2MLL1.ies	04/05/14
LS8-EPW3ML1	5000-5800K	222	22340	101	3M	L1	LS8-EPW3ML1.ies	04/04/14
LS8-EPW1SL4	5000-5800K	222	22530	101	1S	L4	LS8-EPW1SL4.ies	04/28/14
LS8-EPW2MSL4	5000-5800K	222	24098	109	2MS	L4	LS8-EPW2MSL4.ies	04/28/14
LS8-EPW2MLL4	5000-5800K	222	23754	107	2ML	L4	LS8-EPW2MLL4.ies	04/29/14
LS8-EPW3ML4	5000-5800K	222	24046	108	3M	L4	LS8-EPW3ML4.ies	04/29/14

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