

Features and Specifications

Application – Lighting for tunnels, toll station, platform, underpass, warehouse, sport area, billboard, and architectural buildings. Available to replace traditional MH or HPS lamp up to 600W.

Construction - Air-flow through anodized heat sink design provides perfect heat management to guarantee long life of the LED.

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

Constant current driver is mounted far away from the heat source of the LED, keeps the stability and performance of the driver for long life.

The tough bolts were offered for the free angle adjustment to optimize the target illumination.

Unique junction box is applied for easy wiring connection and IP65 proofed. 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 professional light distribution design 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%.

IP67 waterproof driver with over current, over voltage, and short circuit protection.

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

Warranty - 5 years limited

Note: all specifications subject to change without notice.

BBELED® Tunnel Light E™ series



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

5000-5800K / 4000-4500K

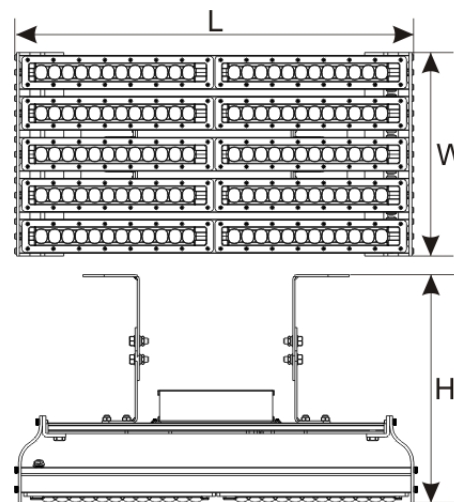
CRI 70 rated

Up to 110LPW

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)

	E1	E2	E3	E4	E5	E6	E7	E8
L	56(2.2")	114(4.5")	172(6.8")	230(9.1")	288(11.3")	347(13.7")	404(15.9")	462(18.2)
W	571(22.5")	571(22.5")	571(22.5")	571(22.5")	571(22.5")	571(22.5")	571(22.5")	571(22.5")
H	323(12.7")	323(12.7")	323(12.7")	323(12.7")	323(12.7")	323(12.7")	323(12.7")	323(12.7")
Weight	3.8(8.4lb)	5.2(11.5")	6.5(14.3lb)	8.3(18.3lb)	9.4(20.7lb)	10.6(23.4lb)	13.3(29.3lb)	15.9(35.1)
Shipping data								
CBM	0.024	0.033	0.063	0.075	0.088	0.099	0.112	0.124
G.W.	5.0(11.0lb)	6.5(14.3lb)	7.8(17.2lb)	9.5(20.9lb)	12.8(28.2lb)	14.5(32.0lb)	15.8(34.8lb)	17.0(37.5lb)

Ordering information:

Example: E4-EPW1SL1

Series	#of module	-	Voltage	CCT	Optics	LED Bin	-	Options
E	4	-	E	PW	D1	L1	-	
E	1 2 3 4 5 6 7 8		E: 100-240Vac D1 ¹ : 12V/24VDC	NW: 4000-4500K PW: 5000-5800K	D1: 130x80	L1: Level 1 (standard) L4: Level 4 (hi-efficiency)		

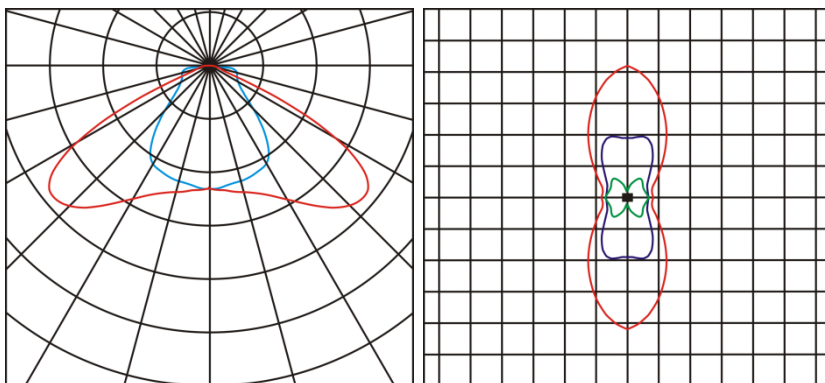
*Consult your sales representative for the options and the lead time will be varied depending on the options selected.

1: Only available for E1/2/3/4.

Electrical Data:

	Number of LEDs	LED drive current(mA)	Rated Power(W)	Total Current (Amp)			
				120V	220V	230V	240V
E1	24	350	30	0.246	0.139	0.134	0.13
E2	48	350	60	0.485	0.275	0.266	0.257
E3	72	350	90	0.742	0.397	0.383	0.367
E4	96	350	120	0.981	0.551	0.534	0.517
E5	120	350	150	1.23	0.68	0.65	0.63
E6	144	350	180	1.45	0.79	0.75	0.73
E7	168	350	210	1.723	0.948	0.917	0.884
E8	192	350	240	1.973	1.112	1.072	1.04

Optical & Photometric



D1 is designed for 130x80 degree beam angel

Cat No.	CCT	Power (W)	Initial Lumen (lm)	Efficiency (LPW)	Optics	LED bin	IES file	IES date (mm/dd/yy)
E1-EPWD1L1	5000-5800K	31	2914	94	D1	L1	E1-EPWD1L1.ies	03/10/14
E1-EPWD1L4	5000-5800K	31	3178	103	D1	L4	E1-EPWD1L4.ies	04/30/14
E2-EPWD1L1	5000-5800K	57	5694	100	D1	L1	E2-EPWD1L1.ies	03/10/14
E2-EPWD1L4	5000-5800K	57	6224	109	D1	L4	E2-EPWD1L4.ies	04/30/14
E3-EPWD1L1	5000-5800K	87	8873	102	D1	L1	E3-EPWD1L1.ies	03/10/14
E3-EPWD1L4	5000-5800K	87	9674	111	D1	L4	E3-EPWD1L4.ies	04/30/14
E4-EPWD1L1	5000-5800K	116	11790	102	D1	L1	E4-EPWD1L1.ies	03/10/14
E4-EPWD1L4	5000-5800K	116	12818	111	D1	L4	E4-EPWD1L4.ies	04/30/14
E5-EPWD1L1	5000-5800K	144	14788	103	D1	L1	E5-EPWD1L1.ies	03/10/14
E5-EPWD1L4	5000-5800K	144	16103	112	D1	L4	E5-EPWD1L4.ies	04/30/14
E6-EPWD1L1	5000-5800K	170	17745	104	D1	L1	E6-EPWD1L1.ies	03/10/14
E6-EPWD1L4	5000-5800K	170	19275	113	D1	L4	E6-EPWD1L4.ies	04/30/14
E7-EPWD1L1	5000-5800K	203	20703	102	D1	L1	E7-EPWD1L1.ies	03/11/14
E7-EPWD1L4	5000-5800K	203	22460	111	D1	L4	E7-EPWD1L4.ies	04/30/14
E8-EPWD1L1	5000-5800K	232	23580	102	D1	L1	E8-EPWD1L1.ies	03/11/14
E8-EPWD1L4	5000-5800K	232	25636	111	D1	L4	E8-EPWD1L4.ies	04/30/14

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