

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 400W.

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 SD™ series



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

5000-5800K / 4000-4500K

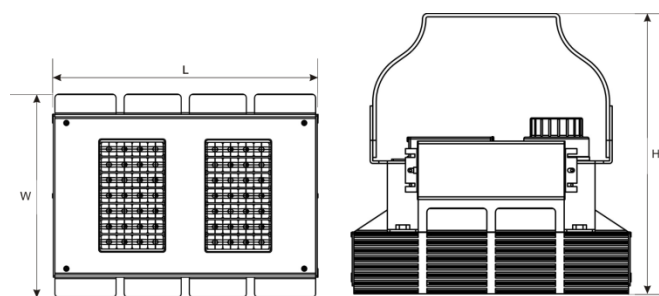
CRI 70 rated

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)

	SD48	SD96	SD144
L	294(11.6")	600(23.6")	906(35.7")
W	250(9.8")	250(9.8")	250(9.8")
H	338(13.3")	338(13.3")	338(13.3")
Weight	9.2(20.3lb)	15(33.1")	20(44.1lb)
Shipping data			
CBM	0.042	0.067	0.113
G.W.	10.2(22.5lb)	17.1(37.7lb)	24.2(53.4lb)

Ordering information:

Example: SD48-EPW1SL1

Series	#of LED	-	Voltage	CCT	Optics	LED Bin	-	Options
SD	48	-	E	PW	1S	L1	-	
SD	48 96 144		E: 100-240Vac D1 ¹ : 12V/24VDC	NW: 4000-4500K PW: 5000-5800K	VS: 120x60 1S: 140x60 3S: Type 3S	L1: Level 1 (standard) L4: Level 4 (hi-efficiency)		

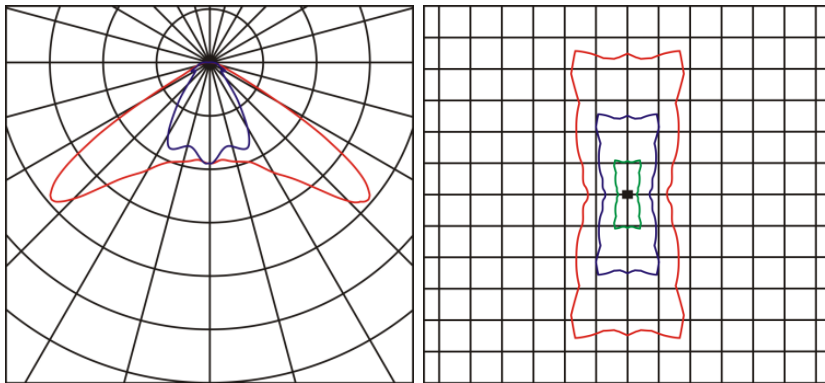
*Consult your sales representative for the options and the lead time will be varied depending on the options selected.

1: Only available for SD48/96.

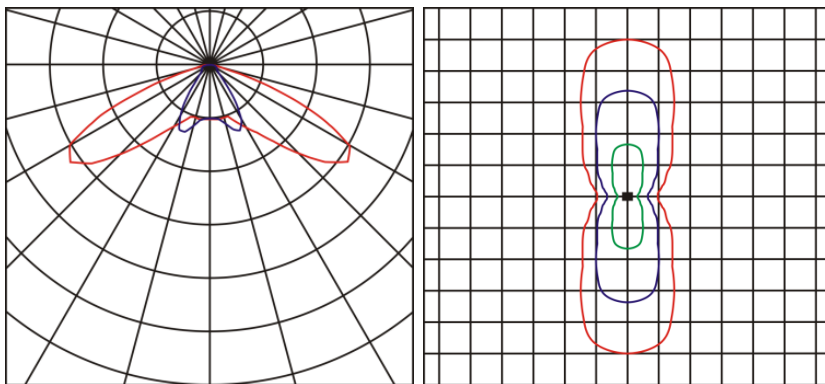
Electrical Data:

	Number of LEDs	LED drive current(mA)	Rated Power(W)	Total Current (Amp)			
				120V	220V	230V	240V
SD48	48	350	60	0.489	0.274	0.263	0.254
SD96	96	350	120	0.98	0.54	0.52	0.5
SD144	144	350	180	1.4	0.76	0.729	0.7

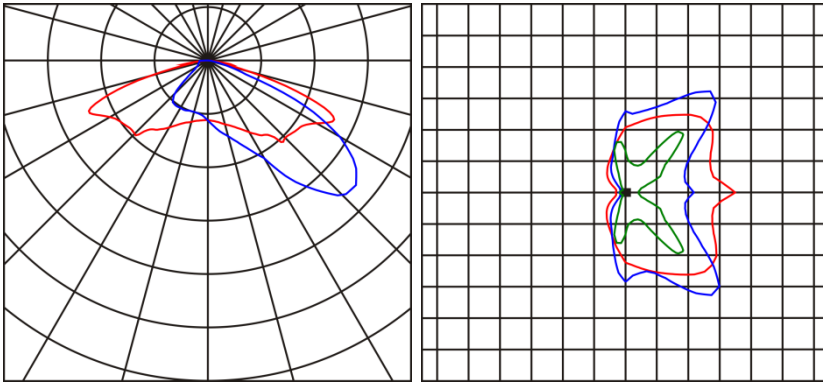
Optical & Photometric



VS is designed per IESNA Type I



1S is designed per IESNA Type I



3S is designed per IESNA Type III

Cat No.	CCT	Power (W)	Initial Lumen (lm)	Efficiency (LPW)	Optics	LED Bin	IES file	IES date (mm/dd/yy)
SD48-EPW1SL1	5000-5800K	59	5350	91	1S	L1	SD48-EPW1SL1.ies	01/17/14
SD48-EPW1SL4	5000-5800K	59	5875	100	1S	L4	SD48-EPW1SL4.ies	04/27/14
SD48-EPWVSL1	5000-5800K	59	5370	91	VS	L1	SD48-EPWVSL1.ies	04/17/14
SD48-EPWVSL4	5000-5800K	59	5809	98	1S	L4	SD48-EPWVSL4.ies	04/29/14
SD48-EPW3SL1	5000-5800K	59	5431	92	3S	L1	SD48-EPW3SL1.ies	04/18/14
SD48-EPW3SL4	5000-5800K	59	5941	101	3S	L4	SD48-EPW3SL4.ies	04/29/14
SD96-EPW1SL1	5000-5800K	117	10738	92	1S	L1	SD96-EPW1SL1.ies	01/17/14
SD96-EPW1SL4	5000-5800K	117	11475	98	1S	L4	SD96-EPW1SL4.ies	04/27/14
SD96-EPWVSL1	5000-5800K	117	10537	90	VS	L1	SD96-EPWVSL1.ies	04/17/14
SD96-EPWVSL4	5000-5800K	117	11346	97	VS	L4	SD96-EPWVSL4.ies	04/29/14
SD96-EPW3SL1	5000-5800K	117	10656	91	3S	L1	SD96-EPW3SL1.ies	04/18/14
SD96-EPW3SL4	5000-5800K	117	11604	99	3S	L4	SD96-EPW3SL4.ies	04/29/14
SD144-EPW1SL1	5000-5800K	172	16050	93	1S	L1	SD144-EPW1SL1.ies	01/17/14
SD144-EPW1SL4	5000-5800K	172	17245	100	1S	L4	SD144-EPW1SL4.ies	04/27/14
SD144-EPWVSL1	5000-5800K	172	15832	92	VS	L1	SD144-EPWVSL1.ies	01/17/14
SD144-EPWVSL4	5000-5800K	172	17051	99	VS	L4	SD144-EPWVSL4.ies	04/29/14
SD144-EPW3SL1	5000-5800K	172	16010	93	3S	L1	SD144-EPW3SL1.ies	04/18/14
SD144-EPW3SL4	5000-5800K	172	17438	101	3S	L4	SD144-EPW3SL4.ies	04/29/14

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