M II - Type

SPOT & FLOOD - High Voltage

PAR38

80/90W Equivalent Ø120mm

Dimmable

Dimmable

Base Type : E27
Input Voltage : H2 200~240V
LED Source : Nichia/Epistar
Beam Angle : 25°/40°
Total Power Consumption :
80W Equivalent : 13W±10%
90W Equivalent : 17W±10%

Safety & Environment Specifications

M II - Type - PAR38 bulbs are manufactured to conform to the following safety approbation.

Certificated Mark		CE	EMC	LVD	ErP		REACH
Certificate Approval	●	●	●	●	●	●	●

Certificate Approval : ● : Completed △ : In Progress

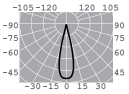
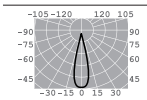
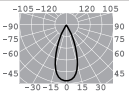
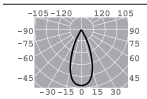
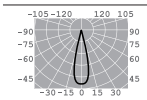
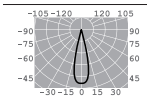
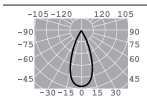
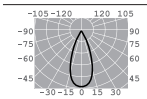
Energy Efficiency Class : A
Rated luminous flux (ErP) : 955/1190lm

200/240V Dimmable Compatibility

BLTC's dimmable lamps can work with most of leading edge (TRIAC) and trailing edge dimmers, however please note 100% compatibility can not be guaranteed due to the variety and quality of dimmers in the market.
Some of the compatibility issues may include audible noise, flickering and higher light output when the dimmer is set at a certain level.

Maximum total LED lamps power ≤ (20%)dimmer's maximum rated power. For instance, if a dimmer's maximum rated power is 600 Watts, the recommended maximum LED lamp load power should be under 120 Watts.

Specification

Polar Diagram	No.	Part Number	LED Source	Input Voltage	CCT	C.R.I. (RA)	Beam Angle (°)	CBCP Candela (cd)	Total Pow. +/-10%	Typical Lumens (lm)	Efficiency (lm/W)	Dimming	Power Factor H2
					80W Equivalent								
	1	BLM3827M-NVW181H2DM2	N-757	200V/240V	2700K	80	25	3410	13	1115	86	YES	0.9
	2	BLM3827M-NWW181H2DM2			3000K	80	25	3480	13	1150	88	YES	0.9
	3	BLM3827M-NCW181H2DM2			5000K	70	25	3580	13	1270	98	YES	0.9
	4	BLM3827M-NW181H2DM2			5700K	70	25	3580	13	1300	100	YES	0.9
	5	BLM3827M-TVW181H2DM2	EPISTAR 3030	200V/240V	2700K	80	25	3100	13	1075	83	YES	0.9
	6	BLM3827M-TWW181H2DM2			3000K	80	25	3250	13	1160	89	YES	0.9
	7	BLM3827M-TNW181H2DM2			4000K	80	25	3270	13	1175	90	YES	0.9
	8	BLM3827M-TW181H2DM2			5700K	70	25	3010	13	1210	93	YES	0.9
	9	BLM3827W-NVW181H2DM2	N-757	200V/240V	2700K	80	40	2175	13	1120	86	YES	0.9
	10	BLM3827W-NWW181H2DM2			3000K	80	40	2200	13	1205	93	YES	0.9
	11	BLM3827W-NCW181H2DM2			5000K	70	40	2210	13	1255	97	YES	0.9
	12	BLM3827W-NW181H2DM2			5700K	70	40	2210	13	1335	103	YES	0.9
	13	BLM3827W-TVW181H2DM2	EPISTAR 3030	200V/240V	2700K	80	40	1740	13	1095	84	YES	0.9
	14	BLM3827W-TWW181H2DM2			3000K	80	40	1830	13	1150	88	YES	0.9
	15	BLM3827W-TNW181H2DM2			4000K	80	40	1920	13	1200	92	YES	0.9
	16	BLM3827W-TW181H2DM2			5700K	70	40	1920	13	1220	94	YES	0.9
					90W Equivalent								
	17	BLM3827M-NVW182H2DM2	N-757	200V/240V	2700K	80	25	4300	17	1405	83	YES	0.9
	18	BLM3827M-NWW182H2DM2			3000K	80	25	4380	17	1495	88	YES	0.9
	19	BLM3827M-NCW182H2DM2			5000K	70	25	4505	17	1610	95	YES	0.9
	20	BLM3827M-NW182H2DM2			5700K	70	25	4600	17	1710	101	YES	0.9
	21	BLM3827M-TVW182H2DM2	EPISTAR 3030	200V/240V	2700K	80	25	3520	17	1375	81	YES	0.9
	22	BLM3827M-TWW182H2DM2			3000K	80	25	3775	17	1430	84	YES	0.9
	23	BLM3827M-TNW182H2DM2			4000K	80	25	3795	17	1540	91	YES	0.9
	24	BLM3827M-TW182H2DM2			5700K	70	25	4035	17	1560	92	YES	0.9
	25	BLM3827W-NVW182H2DM2	N-757	200V/240V	2700K	80	40	2240	17	1455	86	YES	0.9
	26	BLM3827W-NWW182H2DM2			3000K	80	40	2565	17	1550	91	YES	0.9
	27	BLM3827W-NCW182H2DM2			5000K	70	40	2630	17	1655	97	YES	0.9
	28	BLM3827W-NW182H2DM2			5700K	70	40	2745	17	1730	102	YES	0.9
	29	BLM3827W-TVW182H2DM2	EPISTAR 3030	200V/240V	2700K	80	40	2025	17	1390	82	YES	0.9
	30	BLM3827W-TWW182H2DM2			3000K	80	40	2185	17	1460	86	YES	0.9
	31	BLM3827W-TNW182H2DM2			4000K	80	40	2235	17	1550	91	YES	0.9
	32	BLM3827W-TW182H2DM2			5700K	70	40	2250	17	1575	93	YES	0.9

Option 1 : Lamp base: E27
Option 2 : Input Voltage: H2 220~240V
Option 3 : The above CCT. is defined based on ANSI standard. Specific color temperature can be done upon customer request. For instance 2700K could be assigned as 2580~2725K or 2725~2870K, the same can be accomplished for 3500K and 5500K as well but shall be with different price. 2200K is also available upon request.
Option 4 : 4700~6700K typical CRI +70; 2580~4500K typical CRI +80; CRI+90 is also available upon request.

Certificate Approval : CE EMC ErP

Illuminace Figure

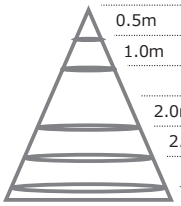
80W Equavalent

Dimmable

N-757	2700K	3000K	5000K	5700K
Average Angle: 25 deg	BLM3827M-NVW181H2DM2	BLM3827M-NWW181H2DM2	BLM3827M-NCW181H2DM2	BLM3827M-NW181H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	15147	16668	18168	19689
1.0m	3785	4165	4540	4920
2.0m	947	1042	1136	1231
2.5m	606	667	727	788
3.0m	421	463	505	547

Dimmable

N-757	2700K	3000K	5000K	5700K
Average Angle: 40 deg	BLM3827W-NVW181H2DM2	BLM3827W-NWW181H2DM2	BLM3827W-NCW181H2DM2	BLM3827W-NW181H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	8582	9428	10305	11150
1.0m	1370	1505	1645	1780
2.0m	536	589	644	696
2.5m	343	377	412	446
3.0m	238	261	286	309

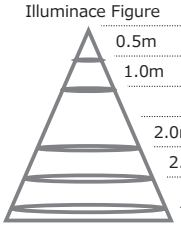


Dimmable

EPISTAR 3030	2700K	3000K	4000K	5700K
Average Angle: 25 deg	BLM3827M-TVW181H2DM2	BLM3827M-TWW181H2DM2	BLM3827M-TNW181H2DM2	BLM3827M-TW181H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	14643	16107	17572	19051
1.0m	4800	5280	5760	6245
2.0m	915	1007	1098	1190
2.5m	586	645	703	762
3.0m	407	448	488	530

Dimmable

EPISTAR 3030	2700K	3000K	4000K	5700K
Average Angle: 40 deg	BLM3827W-TVW181H2DM2	BLM3827W-TWW181H2DM2	BLM3827W-TNW181H2DM2	BLM3827W-TW181H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	8969	9874	10763	11668
1.0m	2825	3110	3390	3675
2.0m	561	618	673	730
2.5m	359	395	431	467
3.0m	250	275	300	325



Illuminace Figure

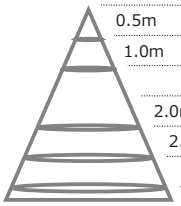
90W Equavalent

Dimmable

N-757	2700K	3000K	5000K	5700K
Average Angle: 25 deg	BLM3827M-NVW182H2DM2	BLM3827M-NWW182H2DM2	BLM3827M-NCW182H2DM2	BLM3827M-NW182H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	17148	18168	18509	19189
1.0m	4285	4540	4625	4795
2.0m	1072	1136	1157	1200
2.5m	686	727	740	768
3.0m	476	504	514	533

Dimmable

N-757	2700K	3000K	5000K	5700K
Average Angle: 40 deg	BLM3827W-NVW182H2DM2	BLM3827W-NWW182H2DM2	BLM3827W-NCW182H2DM2	BLM3827W-NW182H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	9561	10561	11181	11761
1.0m	2390	2640	2795	2940
2.0m	598	661	699	736
2.5m	382	422	447	470
3.0m	266	294	311	327

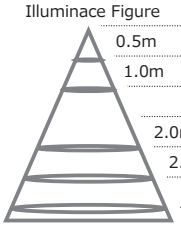


Dimmable

EPISTAR 3030	2700K	3000K	4000K	5700K
Average Angle: 25 deg	BLM3827M-TVW182H2DM2	BLM3827M-TWW181H2DM2	BLM3827M-TNW182H2DM2	BLM3827M-TW182H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	15058	15238	15858	17178
1.0m	3765	3810	3965	4295
2.0m	941	952	991	1073
2.5m	602	609	634	687
3.0m	418	423	440	477

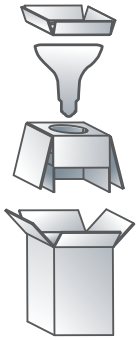
Dimmable

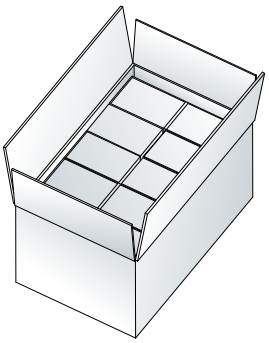
EPISTAR 3030	2700K	3000K	4000K	5700K
Average Angle: 40 deg	BLM3827W-TVW182H2DM2	BLM3827W-TWW182H2DM2	BLM3827W-TNW182H2DM2	BLM3827W-TW182H2DM2
Illuminace Figure	Center Illumination(lx)			
0.5m	7816	8436	8855	9195
1.0m	1955	2110	2215	2300
2.0m	489	528	554	575
2.5m	313	338	355	368
3.0m	217	234	246	255

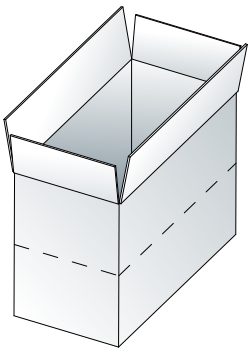


2D Drawing

Product Packing PAR38

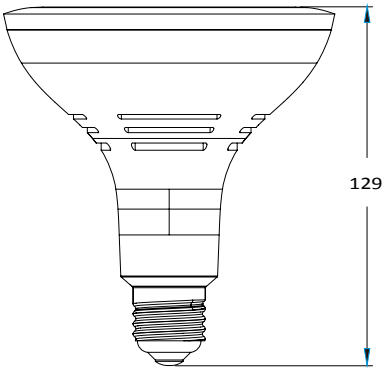






Step 1		Step 2		Step 3	
Gife Box/ White Box	1Pc of Lamp	Interior Box	10 Boxes	Outerior Box	2 Inner Cartons (20 White Boxes)
Dimensions(mm)	L:127*W:127*H:176	Dimensions(mm)	L:660*W:273*H:196	Dimensions(mm)	L:680*W:293*H:420

Dimension (mm) - Ø : 120
Net Weight (g)



Base E27
Net Weight (g) 304

Luminaire Notice

The LED Lamp is not compatible with all luminaires for halogen lamps. Before installation, please read following guidelines:
-No sealed fixtures.
-Not for outdoor fixtures.
-Not for wet environment.

No sealed fixtures

Not for outdoor fixtures

Safety Label & Warning

- Do not cover lamp with paper, fabric, or any flammable material to avoid burning.
- Working Environmental Temperature: -20 ~ +40°
- Do not insert metal objects into the gap of lamp base.
- The appropriate combination of lamp and lamp base should be carefully selected for different voltage and wattage.
- Do not use in high-humidity environment or near water to avoid damage. (Except B.L.T.C. Outdoor IP65 version)
- Not suitable for use in automatic light sensor system, emergency lighting fixture and mercury fixture to avoid damage and burning.
- Do not use near flammable objects such as gasoline, spray, chemicals, paints, oil···etc.
- Do not use in place that is likely to be impacted by force or vibration.
- Do not use in acidic environment.
- Please turn the light off when installing or cleaning to avoid electrical shock.
- Please handle with care to avoid damage and collision.
- Do not touch any powered-on lamps or lamps that have just been turned off to avoid burning.
- Please ensure the lamp is tightly installed into the socket to avoid dropping.
- Please select the appropriate fixture based on lamp size and weight.

General Guideline

- Slight difference of color temperature and brightness is likely to occur for the same part number due to the difference of LED chips.
- Brightness, color temperature, and light distribution may vary with different types of bulbs.
- To avoid heat build-up and the shortening of product lifetime, sealed fixture is not recommended.
- Keep the lamp away from radio, video and television for a distance of 1 meter to avoid noise caused by interference.
- Do not install lamp in heal insulated fixture.
- Do not disassemble or reconstruct the lamp.
- Do not stare directly at the lamp to avoid eye injury.
- The light distribution may vary with different type of fixtures.
- Do not wash the lamp with water.
- Do not use the lamp outdoor if it is not marked as IP65.
- To avoid damage and poor insulation, do not use the lamp near water or in frosted environment if it is not marked as IP65.
- For lamps with a weight significantly higher than that of the lamps for which they are a replacement, attention should be drawn to the fact that the increased weight may reduce the mechanical stability of certain luminaires and lampholders and may impair contact making and lamp retention.

Guide to Dimming

- The maximum LED lamp load is not clearly defined by most of the key dimmer manufactures.
- BLTC's dimmable lamps can work with most of leading edge (TRIAC) and trailing edge dimmers, however 100% compatibility cannot be guaranteed due to the variety and quality of dimmers in the market. Some of the compatibility issues may include audible noise, flickering and higher light output when the dimmer is set at a certain level.
- Maximum total LED lamps power should not exceed 20% of dimmer's maximum rated power.
- For instance, if a dimmer's maximum rated power is 600 Watts, the recommended maximum LED lamp load power should be under 120 Watts.
- The remote control may not work properly when using around infrared remote control such as television remote and AC remote.
- If the dimmer is set at a lower than 10% level when the blub is turned on, it is possible to have no light emission at all or is easy to blink. In this case, please just tune the dimmer to 100% and turn the bulb on again.
- The time it takes to turn on the light may vary with different kind of dimmer switch.
- Do not use dimmer with non-dimmable bulbs to avoid damage and burning.
- Sometimes the lamp may fail to dim when working with the following kinds of dimmers.
  - -sensor dimmers
  - -stepping dimmers
  - -remote control dimmers
  - -dimmers with memory

function--to re-show the light scene with even just a button.

- When dimming, the brightness of the lamp will be affected by the variation of power supply and bulb types.
- When the dimmer is tuned at the lowest lever, a moment of brightness might occur after the power is turned on.
- When the dimmer is tuned at the lowest lever, dimming or flickering might occur when a high-power consumption device such as hair dryer or air conditioner is used due to power and current fluctuation.
- When turning off light, it is highly recommended to turn off the power switch instead of simply tuning the dimmer to the lowest level.
- When more than one bulb is connected to a dimmer, the brightness of each bulb may vary depending on its characteristic.
- It is normal to have minor noises when turning dimmers.
- If the light flickers when dimming, please adjust the dimmer until the light is tuned to a steady level.

Solution to Abnormal Dimmable Bulbs

- Please ensure the dimmer is operated on an independent AC line, not connecting to other electrical appliances or devices. If high-power consumption devices such as freezer, air conditioner, laundry machine, and hair dryers are connected to the same AC line with the dimmer, abnormal light emission is likely to occur.
- When abnormal light occur when a dimmer is connected to only one LED bulb, please try the combination of more than two LED bulbs. The optimal combination is to connect one dimmer to the quantity of LED bulbs adding up to over 35 watts. This is due to the minimum power consumption of a dimmer.