POLAR PREMIUM

LED Flood Light



Polar Premium

Beyond LED Technology's Polar Premium Flood light is the most economical and newest 2021 model. Our Polar Flood light offers high lumens per watt for maximum power savings and rebates from power companies. This flood light is ideal to replace Halogen lamps and comes with a U-Bracket mount. Our Polar Flood light is an extremely cost-effective solution, great for illuminating yards, driveways, signage and security applications.

- High Efficacy Bridgelux
- Ultra thin sleek design
- Up to 130 lumens per watt
- Optional 3 pin Screw-in photocell
- Built-in 10KV Surge protector
- U-Bracket Mount
- Heat resistant polycarbonate optical lens
- Die Cast Aluminum housing
- Available in Black Housing
- Universal 100-277Vac / 480Vac optional
- DLC Listed
- 5 Year Warranty

Beyond LED Technology | 1939 Parker Ct, Stone Mountain, GA, 30087

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Polar

SKU #	Model #	Watts	Lumens	CCT	Type	Input Voltage	Certifications
151629	BLT-SB03D-300WXYA1-BHbcdef	300W	39600Lm	5000K	U-Bracket	120-277Vac	UL & DLC

Polar Premium

151792	BLT-SB03D-150WXYA1-BHbcdef	150W	19800Lm	5000K	U-Bracket	120-277Vac	UL & DLC
151793	BLT-SB03D-300WXYA1-BHbcdef	300W	39600Lm	5000K	U-Bracket	120-277Vac	UL & DLC

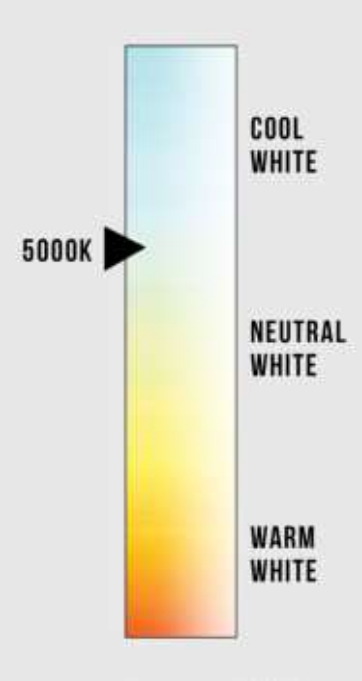


300W



150W

CORRELATED COLOR TEMPERATURE (CCT)



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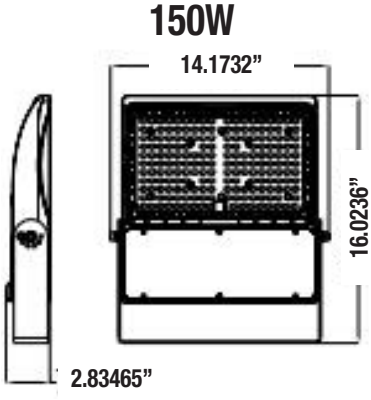
150W Specifications

OPTICAL	Input Power (Tolerance : ±10%)	150W
	Color Temperature	5000K
	Lumen (Tolerance : -10%)	19800LM
	Efficacy (Tolerance : -3%)	132LM/W
	CRI	>70
	Color Consistency	＜6 Steps (or ＜6 SDCM)
	BUG	B4-U5-G4
	Distribution Pattern	Type Ⅲ (Optional: TYPE Ⅳ and TYPE Ⅴ)
	Beam Angle (50%) (Tolerance : ±15%)	160 Degree
ELECTRICAL	Input Voltage and Frequency	120-277Vac 50/60Hz
	PF (Tolerance : -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	＜5%
	Driver Brand	Daermay
	Driver Model	MP-150TG-130A
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard
	Optional Accessory	Photocontrol, Surge-protective Device, Motion Sensor
MATERIALS	LED Brand	Bridgelux
	LED Type	SMD3030
	LED QTY	170 PCS
	Housing	Die-cast aluminum
	Housing Color	BLACK
	EPA	1.59ft²
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	Without Motion Sensor: -40°F to 113°F; With Motion Sensor: -31°F to 113°F
	Storage Temperature	-40°F to 176°F
	Operating Humidity	20％ - 90％ RH
	Storage Humidity	10％ - 95％ RH
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 77°F.

Dimensions

150W

U-Bracket Mount

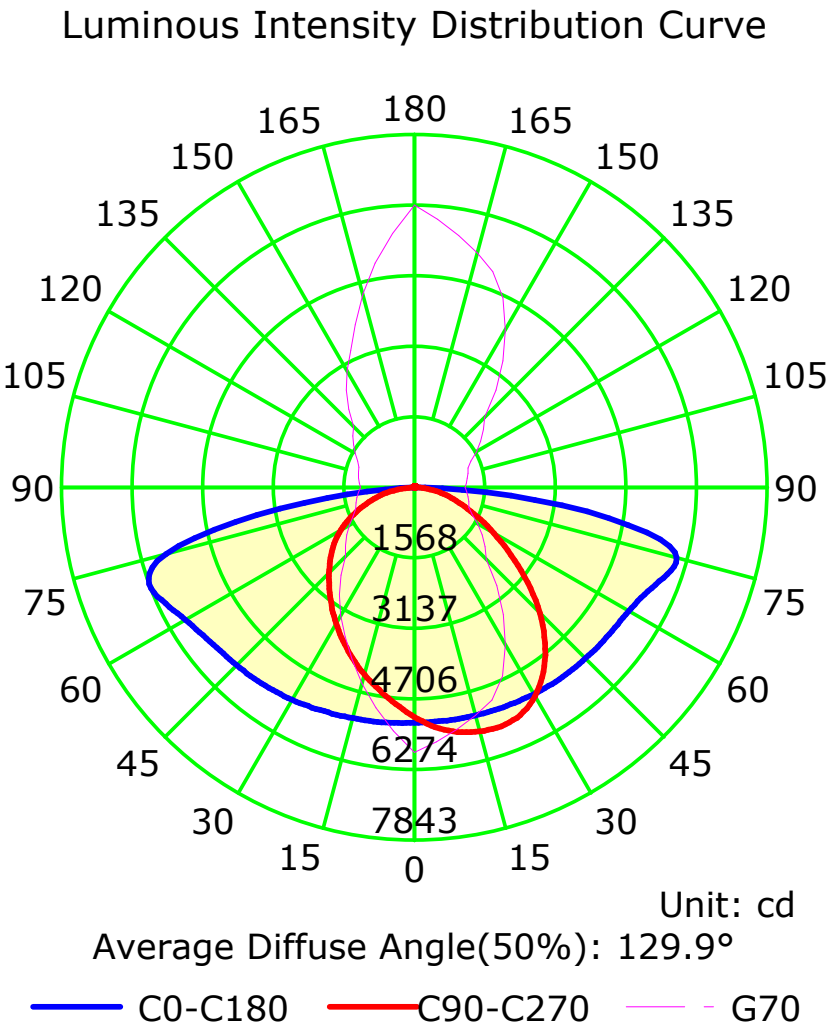




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Distribution Diagram - 150W



Luminaire Property

Luminaire Manufacturer:
Voltage: 121.5 V
Power: 153.10 W
Current: 1.271 A
Power Factor: 0.991

Photometric Results

IES Classification: Type III
Total Rated Lamp Lumens: 20616.4 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 5236.32 cd
Pos of Max. Intensity: H180 V70
Longitudinal Classification: Medium
Measurement Flux: 20616.4 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 134.71
Max. Intensity: 6275 cd

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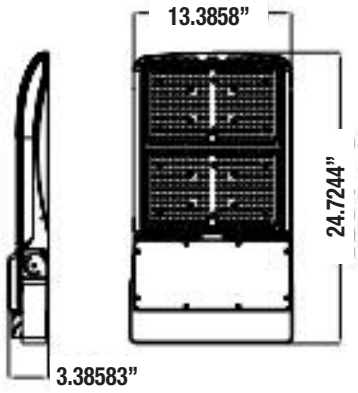
300W Specifications

OPTICAL	Input Power (Tolerance : ±10%)	300W
	Color Temperature	5000K
	Lumen (Tolerance : -10%)	39600LM
	Efficacy (Tolerance : -3%)	132LM/W
	CRI	>70
	Color Consistency	＜6 Steps (or ＜6 SDCM)
	BUG	B5-U5-G5
	Distribution Pattern	Type Ⅲ (Optional: TYPE Ⅳ and TYPE Ⅴ)
	Beam Angle (50%) (Tolerance : ±15%)	160 Degree
ELECTRICAL	Input Voltage and Frequency	120-277Vac 50/60Hz
	PF (Tolerance : -3%)	≥0.9
	THD (Tolerance : +5%)	≤20%
	Flicker Percent	＜5%
	Driver Brand	Daermay
	Driver Model	MP-150TG-130A *2
	Driver Surge protection	L/N-PE: 6kV, L-N: 6kV
	Dimming	0-10V dimming standard
	Optional Accessory	Photocontrol, Surge-protective Device, Motion Sensor
MATERIALS	LED Brand	Bridgelux
	LED Type	SMD3030
	LED QTY	340 PCS
	Housing	Die-cast aluminum
	Housing Color	BLACK
	EPA	3.48ft²
	Waterproof Rating	WET（IP65）
OTHERS	Operating Temperature	Without Motion Sensor: -40°F to 113°F; With Motion Sensor: -31°F to 113°F
	Storage Temperature	-40°F to 176°F
	Operating Humidity	20％ - 90％ RH
	Storage Humidity	10％ - 95％ RH
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 77°F.

Dimensions

300W

U-Bracket Mount

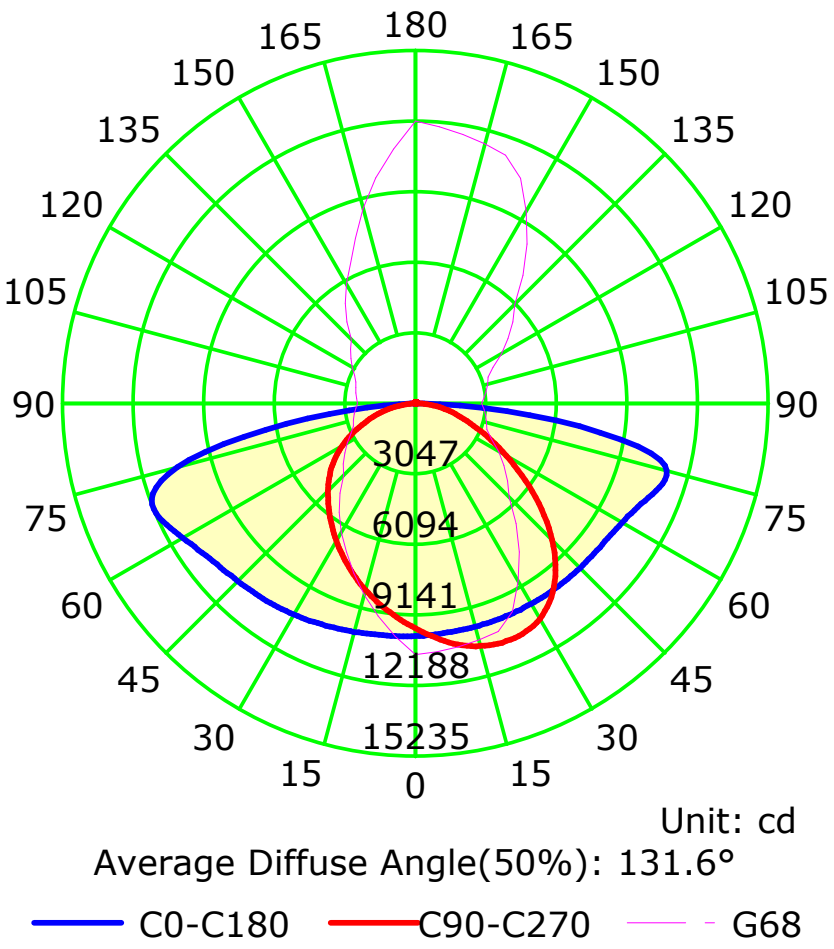




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Distribution Diagram - 300W



Luminaire Property

Luminaire Manufacturer:
Voltage: 118.9 V
Power: 306.50 W
Current: 2.597 A
Power Factor: 0.992

Photometric Results

IES Classification: Type IV
Total Rated Lamp Lumens: 41046.3 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 10050.64 cd
Pos of Max. Intensity: H180 V68
Longitudinal Classification: Medium
Measurement Flux: 41046.3 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 133.97
Max. Intensity: 12188.45 cd

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Packaging

Tolerance of Carton Size: ±0.590551 in, Tolerance of Weight: ±10%.

Model	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
150W	1	23" X 15" X 7"	12 Lb			
300W	1	33" X 16" X 7"	20 Lb			
U-Bracket Mount	1					





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User Notice

- Please turn off the power before installing or changing assembly parts.
- The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.
- Only professionals should install and disassemble the lamps.

Trouble Shooting

- Flickering light - Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.
- Not working - Please check all power connections.

