





### Easier to light, Vivid and Elegant

Essenstial SmartBright LED Spotlight is ideal spotlight for outdoor landscape, park, house, parterre, tree, boscage, heritage building lighting. It not only provides amazing and vivid light with compact and robust diecasting aluminum housing and spiker but also easy to light with one-step quick spike installation. Tempered glass buildin drive potting enhance durability of fixture and accurate lens design ensures light effect.

#### **Key specifications**

- 3W/6W/8W watt packages for option
- 20°/45° light beam angle option\*
- 3000K/4000K/ green light standard offer
- CRI>80
- Long lifespan 15Khrs (L70, @ta35°)
- Surge protection for more reliability
- Diecasting Aluminum housing and spiker, tempered glass, driver potting for more safety
- Professional lens design for vivid light effect
- <5SDCM color consistency</li>

#### **Features and benefits**

- 360D rotatable lighting direction
- Surface mounting available
- Spiker available for quick ground installation
- Built-in driver with wide volts input range
- CCC/CB/CE/EMC certified

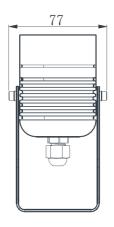


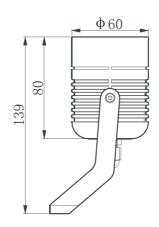
# SpecificationTable

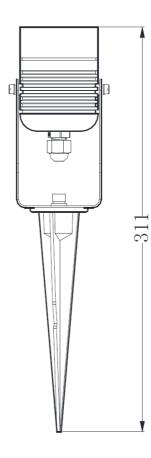
Reflector material PMMA Housing design & color Coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC China RoHs2 0			BGP150	BGP150	BGP150		
Initial lumen output (steady state) @3000K @3000K   520LM±10%   400LM±10%   250LM±10%   250LM±10%   400LM±10%   300LM±10%   300LM±10M±10%   300LM±10M±10M   300LM±10M±10M±10M±10M±10M   300LM±10M±10M±10M±10M±10M±10M±10M   300LM±10M±10M±10M±10M±10M±10M±10M±10M±10M±10		Spot light	8W	6W	3W		
Initial lumen output (steady state) @4000K @4000K		сст		3000K/4000K	3000K/4000K		
Initial lumen output (steady state) @Green   500LM+/-10%		Initial lumen output (steady state) @3000K @3000K	520LM±10%	400LM±10%	250LM±10%		
System efficacy (Im/W) @ Mono   ≥60 Im/W@ 3000K   ≥70 Im/W@ 4000K   ≥70 Im/W 4000K   ≥70 Im/W 4000K   ≥70 Im/W 4000K   ≥70 Im/W 4000K		Initial lumen output (steady state) @4000K @4000K	580LM±10%	480LM±10%	300LM±10%		
System efficacy (Im/W) @Green 260 Im/W / / / / / / / / / / / / / / / / / /		Initial lumen output (steady state) @Green	500LM+/-10%	/	/		
Power consumption(W) ±10% mono:8W±10% mono:6W±10% mono:3W±10%  CRI >80 (for white light), green light 510-530 nm  Lifetime (ta 35°C) @ 170850		System efficacy (Im/W) @Mono					
CRI Lifetime (ta 35°C) @L70850  ambient temperature of operation working temperature range  working humidity  Up to 95%  Installation type  color consistency  Beam angel  Color consistency  Sourface mounted or spiker in earth  20/45deg, green light 35°  Input Voltage (±10%)  Power Factor (full load)  Safety Class  Surge Protection  Adaptive Driver  Control Interface  power connection  dimension  recessed box dimension  Salt spray  Prating  IK rating  IK rati	System	System efficacy (Im/W) @Green	≥60 lm/W	/	/		
Lifetime (ta 35°C) @L70B50		Power consumption(W) ±10%	mono:8W±10%	mono:6W±10%	mono:3W±10%		
ambient temperature of operation working temperature range working temperature range working humidity Up to 95%  Installation type Surface mounted or spiker in earth  color consistency SSSDCM  Beam angel 20/45deg, green light 35° Input Voltage (±10%) 100-240V*; 50/60Hz  Power Factor (full load) PF≥0.4(3W); PF≥0.5(6/8W)  Safety Class Class Class Class I  L to N: 1kV  Adaptive Driver driver inside mono: on/off for outdoor application, flying cable length 30cm+/-5cm H05RN-F 2*1.0MM2  dimension g60*80*98.5mm g60*80*98.5mm g60*80*98.5mm g60*80*98.5mm recessed box dimension g16x rating length 30cm y PF50.5 (100 mono)  If salt spray 168 hours length 30cm y PF50.5 (100 mono)  Mechanical & appearance Diffuser material length 30cm y PMMA coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  Approbation GM CE/CB/EMC  China RoHs2.0 Yes		CRI	>80 (for white	light), green lig	ht 510-530 nm		
working temperature range working humidity Up to 95%  Installation type Surface mounted or spiker in earth color consistency Beam angel 20/45deg, green light 35° Input Voltage (±10%) Power Factor (full load) PF20.4(3W);PF20.5(6/8W) Safety Class Surge Protection Adaptive Driver Control Interface power connection  dimension  dimension  dimension  dimension  recessed box dimension  y alt spray Prating IK rating IK r		Lifetime (ta 35°C) @L70B50	15K hours L70B50 @ ta 35°C				
Installation type  color consistency  Optical  Color consistency  Beam angel  Input Voltage (±10%)  Power Factor (full load)  Safety Class  Surge Protection  Adaptive Driver  Control Interface  power connection  Idimension  recessed box dimension  Salt spray  IP rating  IK rating  Luminaire Shape  Housing design & color  Reflector material  Housing design & color  Packing  Approbation  GM  Colors (20,45deg, green light 35°  100-240V*; 50/60Hz  100-240V*; 50/60H			_				
Color consistency  Beam angel  Input Voltage (±10%)  Power Factor (full load)  Safety Class  Surge Protection  Adaptive Driver  Control Interface  power connection  Input Voltage (±10%)  Adaptive Driver  Control Interface  power connection  Input Voltage (±10%)  Adaptive Driver  Control Interface  power connection  Input Voltage (±10%)  Adaptive Driver  Adaptive Driver  Control Interface  power connection  Input Voltage (±10%)  Adaptive Driver		working humidity	Up to 95%				
Optical       Beam angel       20/45deg, green light 35°         Input Voltage (±10%)       100-240V~; 50/60Hz         Power Factor (full load)       PF≥0.4(3W);PF≥0.5(6/8W)         Safety Class       Class I         Surge Protection       L to N: 1kV         L to ground &N to ground: 2kV         Adaptive Driver       driver inside         Control Interface       mono: on/off         power connection       for outdoor application, flying cable length 30cm+/-5cm         HOSRN-F 2*1.0MM2       dimension         dimension       Ø60*80*98.5mm       Ø60*80*98.5mm         recessed box dimension       /         Salt spray       168 hours         IP rating       IKO6         Luminaire Shape       roundness         Housing material       tempered glass         Housing material       tempered glass         Reflector material       PMMA         Housing design & color       coal dark         Packing       Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package         Approbation       CE/CB/EMC         China ROH52.0       Yes		Installation type	surface mounted or spiker in earth				
Beam angel  Input Voltage (±10%)  Power Factor (full load)  Safety Class  Surge Protection  Adaptive Driver  Control Interface  power connection  Input Voltage (±10%)  Mechanical & appearance  Mechanical & appearance  Approbation  Approbation  Input Voltage (±10%)  Input Voltage (±10%)  100-240V*; 50/60Hz  100-240V*; 50/60H	Ontical	color consistency	≤5SDCM				
Power Factor (full load)  Safety Class  Surge Protection  Class I  L to N: 1kV  L to ground &N to ground: 2kV  Adaptive Driver  Control Interface  power connection  dimension  dimension  for outdoor application, flying cable length 30cm+/-5cm  H05RN-F 2*1.0MM2  dimension  dimension  de0*80*98.5mm  de0*80*98.5mm  de0*80*98.5mm  de0*80*98.5mm  de0*80*98.5mm  precessed box dimension  Salt spray  IP rating  IF rating  IF rating  IK rating  Luminaire Shape  Housing material  Diffuser material  PMMA  Housing design & color  Packing  Out box: industrial package carton (19*38*42.5 16PCS/carton)  Inner box: color package  Approbation  Others  Others  China RoHs2.0	Optical	Beam angel	20/45deg, green light 35 $^{\circ}$				
Safety Class Surge Protection Adaptive Driver Control Interface power connection  dimension feessed box dimension Salt spray IP rating Luminaire Shape Housing material Approbation  Reflector material Housing design & color Packing  Approbation  GM  Citina RoHs2.0  Cotters  Control Interface  Adaptive Driver  driver inside  mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable length 30cm+/-5cm mono: on/off for outdoor application, flying cable parks mono: on/off for outdoor application, flying cable parks mono: on/off for out		Input Voltage (±10%)	100-240V~; 50/60Hz				
Surge Protection  Adaptive Driver  Control Interface  power connection  dimension  for outdoor application, flying cable length 30cm+/-5cm H05RN-F 2*1.0MM2  dimension  g60*80*98.5mm  g60		Power Factor (full load)	PF≥0.4(3W);PF≥0.5(6/8W)				
Surge Protection  L to ground &N to ground: 2kV  Adaptive Driver  Control Interface  power connection  dimension recessed box dimension Salt spray IP rating IK rating Luminaire Shape Housing material Diffuser material Housing design & color Packing  Approbation  GM  Cithers  L to ground &N to ground: 2kV  driver inside mono: 2hV  driver inside mono: 2n/off  for outdoor application, flying cable length 30cm+/-5cm  HOSRN-F 2*1.0MM2  dimension		Safety Class	1111				
Control Interface mono: on/off power connection for outdoor application, flying cable length 30cm+/-5cm H05RN-F 2*1.0MM2  dimension		Surge Protection					
power connection  for outdoor application, flying cable length 30cm+/-5cm H05RN-F 2*1.0MM2  dimension  dimension  dimension  dimension  dimension  de0*80*98.5mm  de0*80*0*98.5mm  de0*80*0*0*0*0*0*0*0*0*0*0*0*0*0*0*0*0*0*		Adaptive Driver	driver inside				
dimension		Control Interface		mono: on/off			
recessed box dimension  Salt spray  IP rating  IP rating  IK rating  Luminaire Shape  Housing material  appearance  Diffuser material  Reflector material  Housing design & color  Packing  Approbation  Others  Tecessed box dimension  / 168 hours IR66 IK06 IK06 IK06 IK06 IK06 IK06 IK06 IK		power connection					
Salt spray IP rating IP rating IK rating Luminaire Shape Housing material Appearance  Mechanical & appearance  Mechanical & aluminum Diffuser material Appearance  Reflector material Approbation  Approbation  GM  CE/CB/EMC  China RoHs2.0  168 hours IP65 IK 78 IR06 IR06 IR06 IR06 IR06 IR06 IR06 IR06		dimension	Ø60*80*98.5mm	Ø60*80*98.5mm	Ø60*80*98.5mm		
IP rating IP65 IK rating IK06 Luminaire Shape roundness Appearance Diffuser material aluminum  Diffuser material tempered glass  Reflector material PMMA Housing design & color coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  Approbation GM CE/CB/EMC  Others China RoHs2.0 Yes				/			
IK rating IK06 Luminaire Shape roundness Apprearance Diffuser material tempered glass  Reflector material PMMA Housing design & color coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  Approbation GM CE/CB/EMC  Others China RoHs2.0 Yes							
Luminaire Shape Housing material  piffuser material  Reflector material  Housing design & color  Packing  Approbation  Others  Luminaire Shape roundness aluminum  tempered glass  PMMA Could box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC  Yes		-					
Mechanical & aluminum  Diffuser material tempered glass  Reflector material PMMA  Housing design & color coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC  Others China RoHs2.0 Yes							
appearance  Diffuser material  Reflector material  Housing design & color  Packing  Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC  Others  Others		·					
Reflector material PMMA Housing design & color coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC Others China RoHs2.0 Yes	Mechanical & appearance	-					
Housing design & color coal dark  Packing Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC  Others Others		Reflector material					
Packing  Out box: industrial package carton (19*38*42.5 16PCS/carton) Inner box: color package  CE/CB/EMC  Others  Others							
China RoHs2.0 Yes							
Others	Approbation	GM		CE/CB/EMC			
	Others						

# **Dimension Drawing**

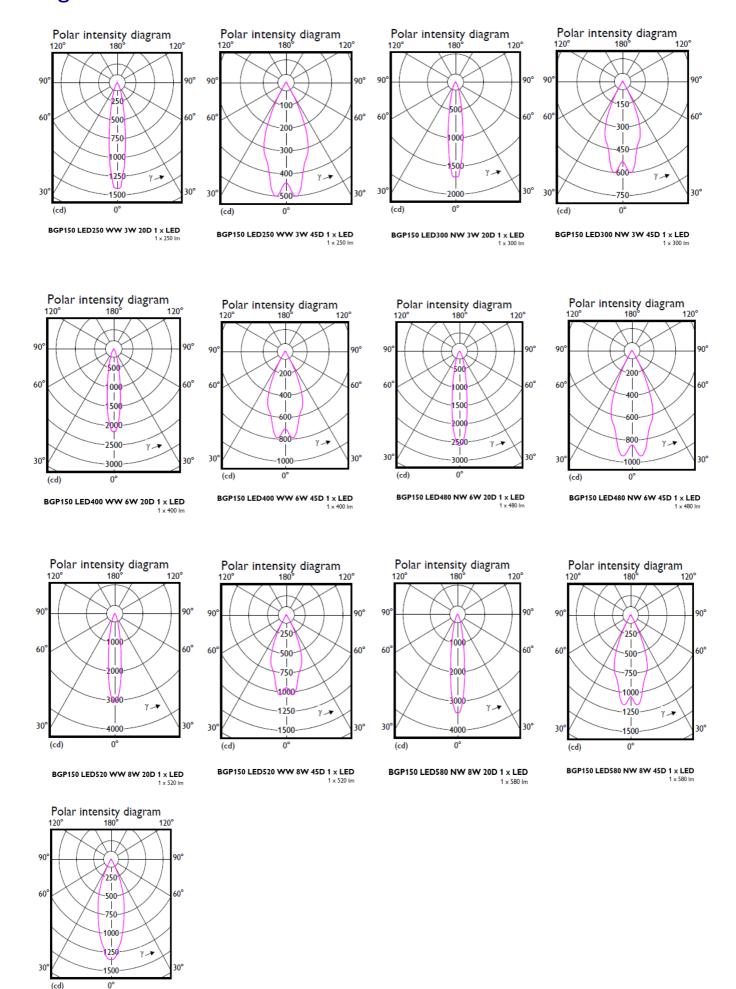
Type number	Control metho	kg	LEDs QTY	CCT/co <b>l</b> or	Typical Power	Voltage
系列型号	控制方式		LED颗粒数	色温/颜色	典型功率	输入电压
BGP150/151 LED	ON/OFF	0.39	I	3000K 4000K Green (绿光)	3W 8W	100-240VAC







### Light distribution



BGP150 LED G 8W 35D 1 x LED

## Order information

Product Family	12NC	markets	SAP description	Packing Qty
Ess. SmartBright Spot	911401755632	GM	BGP150 LED520/WW 8W 20D GM	16
Ess. SmartBright Spot	911401755642	GM	BGP150 LED580/NW 8W 20D GM	16
Ess. SmartBright Spot	911401755652	GM	BGP150 LED400/WW 6W 20D GM	16
Ess. SmartBright Spot	911401755662	GM	BGP150 LED480/NW 6W 20D GM	16
Ess. SmartBright Spot	911401755672	GM	BGP150 LED250/WW 3W 20D GM	16
Ess. SmartBright Spot	911401755682	GM	BGP150 LED300/NW 3W 20D GM	16
Ess. SmartBright Spot	911401755692	GM	BGP150 LED520/WW 8W 45D GM	16
Ess. SmartBright Spot	911401755702	GM	BGP150 LED580/NW 8W 45D GM	16
Ess. SmartBright Spot	911401755712	GM	BGP150 LED400/WW 6W 45D GM	16
Ess. SmartBright Spot	911401755722	GM	BGP150 LED480/NW 6W 45D GM	16
Ess. SmartBright Spot	911401755732	GM	BGP150 LED250/WW 3W 45D GM	16
Ess. SmartBright Spot	911401755742	GM	BGP150 LED300/NW 3W 45D GM	16
Ess. SmartBright Spot	911401755752	GM	BGP150 LED G 8W 35D GM	16

MoQ=96 pcs/ 6 cartons GM- spiker included



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