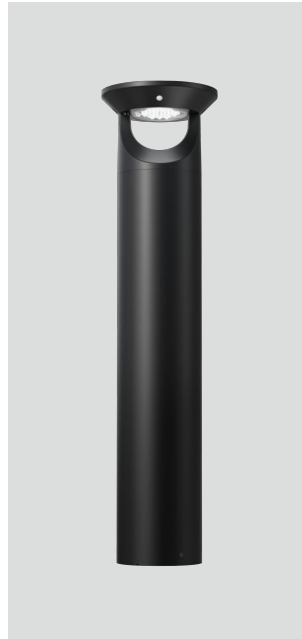




LED SOLAR BOLLARD

BL04

Equipped with PIR intelligent control



Description

BL04 solar bollard light offers two height options: 520 mm and 920 mm. With a PIR sensor, it provides a working duration of 4 to 5 days. Each light is equipped with a remote control for easy on/off operation. With an IP66 rating for water and dust resistance and an IK08 rating for impact protection, the BL04 ensures durability for outdoor lighting applications.

Key Features

- 520mm and 920mm two height options
- Equipped with PIR motion sensor for save energy
- High efficiency Mono-crysalline solar panel
- IP66,IK08,up to 600lm
- Operating time: Full power on 8-9 hours, Intelligent mode: 4-5 days

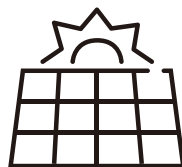
Applications



Bicycle Paths



Public Spaces



Solar Lighting



City Streets in
Historic Centers

GENERAL INFORMATION

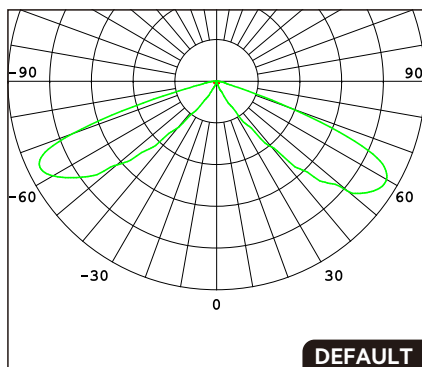
Housing materials	Aluminum alloy
Housing finish	Powder coating
Optic materials	Polycarbonate
Fixture color	Black RAL9017
CCT selection	NO
Sensor	Yes
Light source SDCM	<5
Impact resistance	IK08(solar panel/PIR sensor not included)
Ingress protection	IP66
Category of corrosion	C3 (ISO 9223:2012)
Certification	CE/RoHS
Warranty(years)	3 years for battery, 5 years for other parts

TECHNICAL DATA

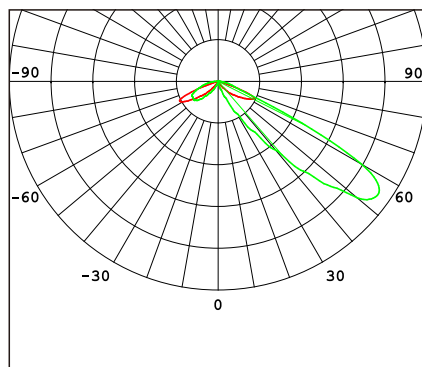
Code	BL04-004	
Nominal wattage(W) ±5%	4	
Solar panel type	Mono-crystalline	
Solar panel voltage(V)	5V	
Solar panel wattage(W)	5W	
Battery type	LiFePO4	
Battery ampere hour(Ah)	12	
Battery voltage(V)	3.2	
Battery capacity(Wh)	38.4	
Battery lifetime	>2,000 cycles (D.OD. 80%)	
Charge controller type	PWM	
Charging time(hrs)	12	
Operating time(hrs)	Full Power on 8-9 hours,Intelligent mode:4-5days	
Electrical class	Class III	
Light source	LED2835	
Color rendering index	Ra80	
General luminous efficacy(lm/W)	140lm/W @4000K Ra80	
Color temperature(K)	1-CCT: 3000K/4000K/5000K	
Luminous flux(lm) ±10% Ra80	1-CCT	410-600
Beam angle	R03201/R03202/R03203	
Operating temperature(°C)	0 to +50	
Lifespan of LED@Ta=25°C(hrs)	62,100-L90B50	
	126,500-L80B50	
	167,500-L70B50	

OPTICS

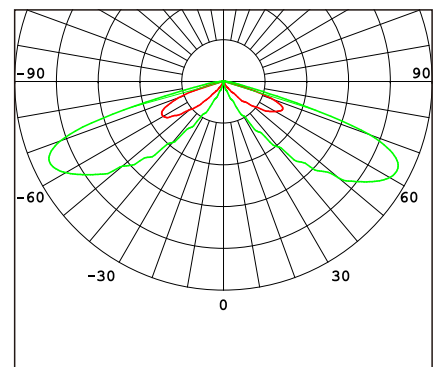
RECOMMENDED



Symmetrical 150°x143° Tilt 61°
R03203

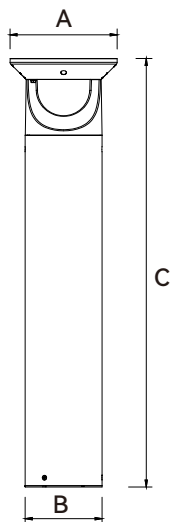


Asymmetrical 22°x140° Tilt 57.5°
R03202

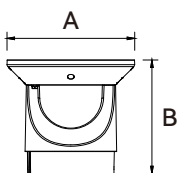


Symmetrical 150°x150° Tilt 67.5°
R03201

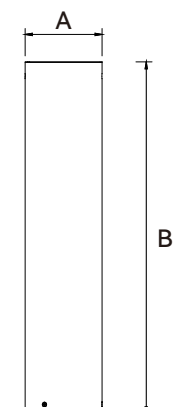
MEASUREMENT



Product code	Luminaire dimensions AxBxC(mm)	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size(mm)	Qty/ CTN
		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BL04-004 (Full assembled)	Ø230xØ165x520	5.1	-	-	6.4	690x300x305	1
BL04-004 (Full assembled)	Ø230xØ165x920	6.6	-	-	8.3	1090x300x305	1



Product code	Luminaire dimensions AxBxC(mm)	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size(mm)	Qty/ CTN
		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BL04-004 (Bollard head)	Ø230x205	2.6	-	-	3.5	280x280x275	1



Product code	Luminaire dimensions AxBxC(mm)	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size(mm)	Qty/ CTN
		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BL04-004 (Bollard housing)	Ø165x352	1.9	-	-	2.9	505x210x215	1
BL04-004 (Bollard housing)	Ø165x752	3.3	-	-	4.9	915x210x215	1

MOUNTING OPTIONS



Anchor Bolt Templates



Backfilled anchor

ACCESSORIES

House Side Shield



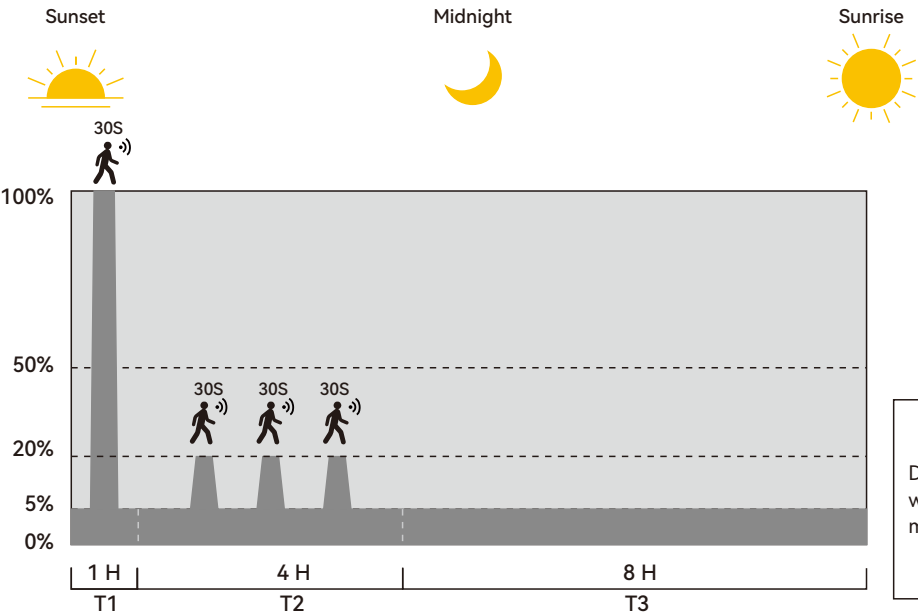
Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size(mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
BL01-L105	0.12	0.2	10	11.5	600x370x350	50

Backfilled anchor



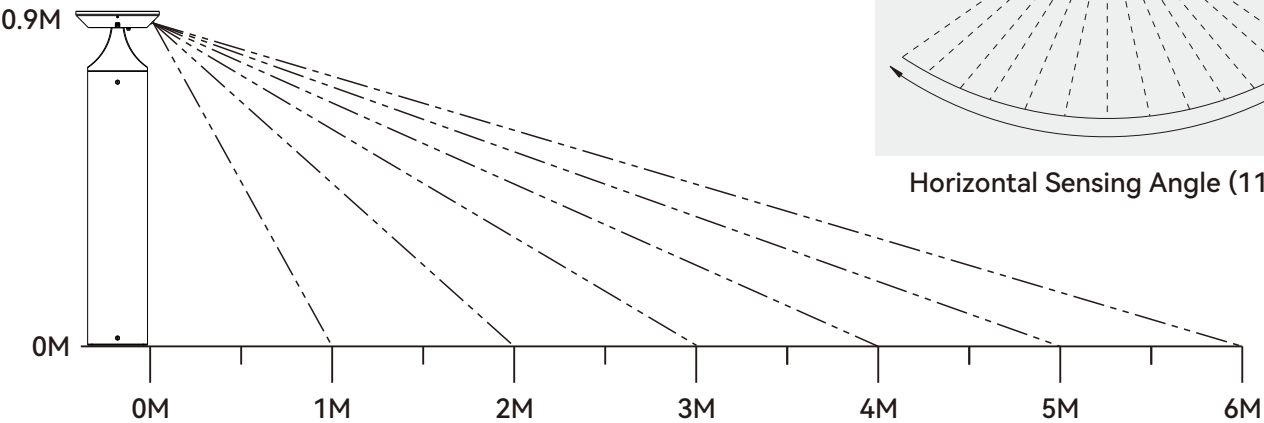
Code	Product weight(kg) ±6%		Package weight(kg) ±6%		Carton size(mm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
MT-B01-02	2.42	2.7	9.68	11.55	540x310x325	4

LIGHT MODE

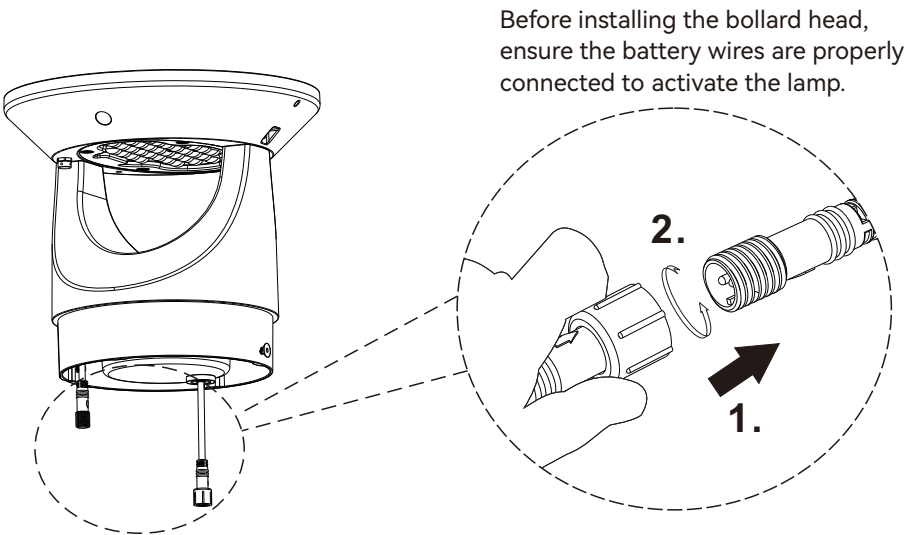


Default working mode	Working hours	T1(1H)	T2(4H)	T3(8H)
	Not detected	5%	5%	5%
	Detected	100%	20%	N/A
	Light up for 30 senconds when detected			

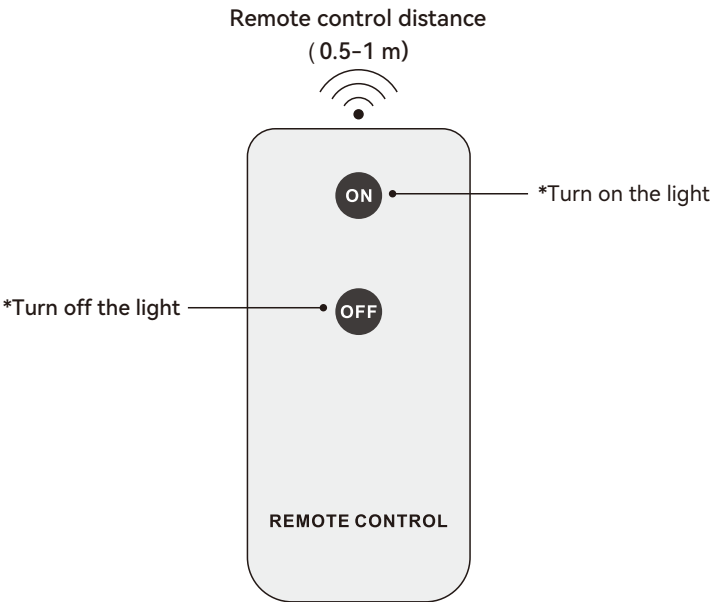
PIR SENSING DISTANCE



SWITCHES



REMOTE CONTROL DESCRIPTION





HILUMZ USA

6835 Shiloh Rd, C8
Alpharetta, GA 30005

sales@hilumzusa.com
678-867-9200