



PHILIPS

UNIIn-ground

LED In-ground



Compact & Reliable, Full Range for Your Choice

UNIIn-ground family provide a completed range of up-lights in terms of wattage, beam angle, color temperature, etc. It is to make your space distinctive with more safety and convenience as well. Compact and robust design with diecasting aluminum housing and stainless trim, IP67 waterproof connectors are all for ensuring long-lasting operation without your more caring after installation. Waterproof connector is to give more ease to installation and save your installation cost. Apart from high-quality white light, RGB (and mono RGB) are available with DMX512 decoder built-in side. The lighting LED board can be adjusted to deliver light in precise angle to make the idea of lighting designers come true.

Applications

- Square, garden, and courtyard
- Hotel and business quarters
- Decorative lighting for pedestrian malls
- Safety lighting for residential quarters

Features and benefits

- Compact design look and feel
- Complete portfolio with various options
- Multiple lighting emission to make space out
- High quality temper glass cover (8-14mm)
- PC lens inside
- Stainless trim frame
- Recessed mounting box provided-PP
- Surge protection 2KV/1KV
- Driver potting for safety
- Comply to IEC60598, EMC standards
- CCC and CB certified

Key specifications

- 1/2/3/6/10/12/18/36 W
- 50 ~ 3600 lm, > 90 lm/W*
- $\Phi 100 \sim \Phi 250$ mm
- WW / NW / RGB /R/G/B
- Different BA options (adjustable), Beam angle:
10° /30° /45° /60°
- Different light emission
- Dimmable (RGB)
- AC (RGB @DC input), IP67/IK10
- 35Khrs (BBP210/211), 50Khrs (BBP212/213/BBP34X)

Specification Table

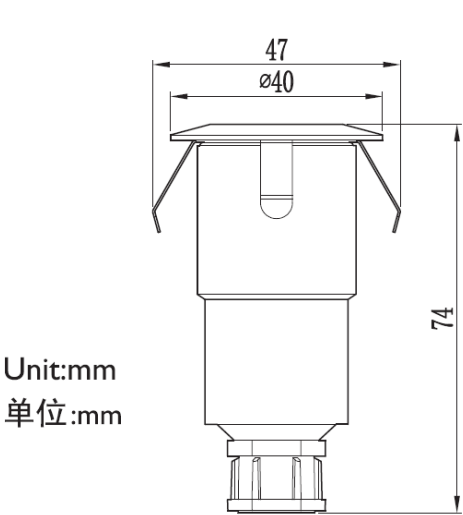
UNI In-ground		BBP210	BBP211	BBP212	BBP213	BBP340	BBP341	BBP342	BBP343	BBP344
		1W	2W	3W	6W	3W	6W	12W	18W	36W
	CCT	3000K/4000K	3000K/4000K	3000K/4000K	3000K/4000K /R/G/B	3000K/4000K /R/G/B	3000K/4000K /R/G/B	3000K/4000K /R/G/B/RGB	3000K/4000K /R/G/B/RGB	3000K/4000K /R/G/B/RGB
	Initial lumen output (steady state) @3000K	XPE:50LM±10%	XPE:100LM±10%	40LM±10% (4/4)	100LM±10% (4/4)	210LM±10%	540LM±10%	1200LM±10%	1800LM±10%	3600LM±10%
	Initial lumen output (steady state) @4000K	XPE:50LM±10%	XPE:100LM±10%	40LM±10% (4/4)	100LM±10% (4/4)	210LM±10%	540LM±10%	1200LM±10%	1800LM±10%	3600LM±10%
	Initial lumen output (steady state) @RGB	/	/	/	R:42LM±10% G:80LM±10% B:12LM±10%	R:75lm G:140lm B:28lm	R:150lm G:240lm B:50lm	R:540lm G:630lm B:260lm RGB:520lm	R:850lm G:900lm B:400lm RGB:750lm	R:1540lm G:1700lm B:750lm RGB:1550lm
	System efficacy (lm/W) @ Mono White	XPE≥50 lm/W	XPE≥45 lm/W	≥10 lm/W	≥15 lm/W	≥70 lm/W	≥85 lm/W	≥100 lm/W	≥100 lm/W	≥100 lm/W
	Power consumption(W) ±10%	~1W±15%	~2W±15%	~3W±10%	~6W±10%	~3W±10%	~6W±10%	~12W±10%	~18W±10%	~36W±10%
	CRI	>80		>80		>70				
	Lifetime (ta 35°C) @L70B50	35K hours L70B50 @ ta 35°C		50K hours L70B50 @ ta 35°C		50K hours L70B50 @ ta 35°C				
	ambient temperature of operation (ta)	ta 35°C		ta 35°C		ta 35°C				
	working temperature range	-40°C to +50°C		-40°C to +50°C		-40°C to +50°C				
	working humidity	Up to 95%		Up to 95%		Up to 95%				
	Installtion type	Recessed mounting		Recessed mounting		Recessed mounting				
Optical	color consistency	≤5SDCM		≤5SDCM		≤5SDCM				
	Beam angel	XPE: 15°/30°	XPE: 15°/30°	1/4,2/4,4/4, light shield		White: 10°/20°/30°/45°/60° R/G/B:10°/30°/45°		10°/20°/30°/45°/60°	10°/20°/30°/45°/60°	10°/20°/30°/45°/60°

UNI In-ground		BBP210	BBP211	BBP212	BBP213	BBP340	BBP341	BBP342	BBP343	BBP344
		1W	2W	3W	6W	3W	6W	12W	18W	36W
Electrical	Safety Class	Class III		Mono: Class I		Mono: Class I RGB: Class III				
	Input Voltage	DC12V		Mono: 100-240V~		Mono: 100-240V~; RGB: DC24V				
	Power Factor (full load)	na		AC: PF≥0.4(3W); PF≥0.5(6W)		AC: PF≥0.4	AC: PF≥0.9	AC: PF≥0.9	AC: PF≥0.9	AC: PF≥0.9
	Surge Protection	0.2kV, >0.2kV failmode - open circuit		L to N: 1kV L to ground & N to ground: 2kV		Mono - L to N: 1kV, L to ground & N to ground: 2kV		Mono - AC: L to N: 1kV, L to ground & N to ground: 2kV RGB - DC: 0.2kV, >0.2kV fail mode - open circuit		
	Adaptive Driver	AC/DC 12V transformer		built-in driver		Mono : built-in driver		Mono : built-in driver RGB : built-in DMX512 decoder		
	Control Interface	mono: on/off		mono: on/off;		mono: on/off		mono: on/off; RGB: DMX		
	connection wrong Protection	short circuit protection		short circuit protection		short circuit protection				
	power connection	for outdoor application, 1 flying cable length 100cm+/-5cm with M12 connector		Mono: 1 flying cable 30cm+/-5cm with IP67 connector, gland PG9,		Mono: single flying cable 30cm+/-5cm and single IP67 connector, PG13.5 gland	Mono: single 30cm+/-5cm flying cable and single IP67 connector, PG13.5 gland, H05RN-F 3*1mm2 RGB: 2 flying cables (5 pins)30cm+/-5cm, loop in-out, 2 IP67 connectors H05RN-F 5*0.75mm2			
Mechanical & appearance	dimension	XPE : Φ40 x H74mm	XPE : Φ60 x H64mm	Φ72 x H90mm	Φ100 x H105mm	Φ100 x H125mm	Φ120x H125mm	Φ140x H127mm	Φ180x H152mm	Φ250 x H162mm
	luminaire with recessed box dimension	/	/	Φ90 x H107mm	Φ115 x H117mm	Φ100 x H140mm	Φ120x H145mm	Φ140x H150mm	Φ180x H175mm	Φ250 x H190mm
	Salt spray	500 hours		500 hours		500 hours				
	IP	IP67		IP67		IP67				
	IK	IK10		IK10		IK10				
	Luminaire Shape	round/slim		round/slim		round/slim				
	Housing material	frame: Alu housing: Alu		housing:Alu		frame: stainless steel ring housing				
	Cover material	PC		Alu		Tempered glass				
	Reflector or Lens material	PMMA		PC		PMMA				
	Housing design & color	alu		blink frosted silver		Brushed stainless trim				
Approbation		CQC		CCC		CCC (mono) /CQC (RGB)				
		CE/CB/EMC		CE/CB/EMC		CE/CB/EMC				
Others	China RoHs2.0	Yes		Yes		Yes				
	REACH	Yes		Yes		Yes				
ETO available		housing color, cable length, 15D beam angle		light emission sides		4000K, R/G/B, RGB (DC24V), 10°/30°/45°/60°				

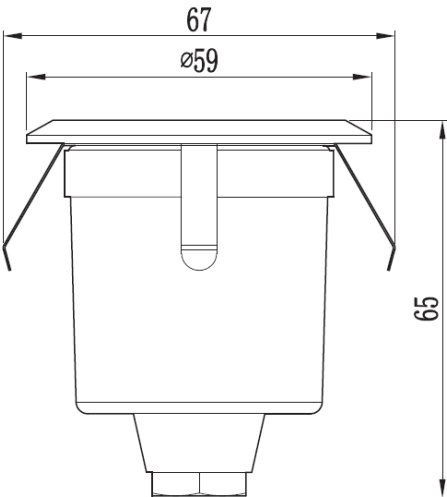
Order information

Family name	12NC	markets	SAP description	CCC description
UNIIn-ground	911401755292	GCGM	BBP210 LED50/WW 1W 12V 30D	BBP210 LED 1W 12V
UNIIn-ground	911401755302	GCGM	BBP211 LED90/WW 2W 12V 30D	BBP211 LED 2W 12V
UNIIn-ground	911401755312	GCGM	BBP212 LED45/WW 3W 100-240V	BBP212 LED 3W 100-240V
UNIIn-ground	911401755322	GCGM	BBP213 LED110/WW 6W 100-240V	BBP213 LED 6W 100-240V
UNIIn-ground	911401755332	GCGM	BBP340 LED220/WW 3W 20D 100-240V	BBP340 LED 3W 100-240V
UNIIn-ground	911401755342	GCGM	BBP341 LED540/WW 6W 20D 100-240V	BBP341 LED 6W 100-240V
UNIIn-ground	911401755352	GCGM	BBP342 LED1200/WW 12W 20D 100-240V	BBP342 LED 12W 100-240V
UNIIn-ground	911401755362	GCGM	BBP343 LED1800/WW 18W 20D 100-240V	BBP343 LED 18W 100-240V
UNIIn-ground	911401755372	GCGM	BBP344 LED3600/WW 36W 20D 100-240V	BBP344 LED 36W 100-240V
UNIIn-ground	911401755382	GCGM	BBP343 LED RGB 18W 20D 24V	BBP343 RGB 18W 24V
UNIIn-ground	911401755392	GCGM	BBP343 LED R 18W 20D 100-240V	BBP343 R 18W 100-240V
UNIIn-ground	911401755402	GCGM	BBP343 LED G 18W 20D 100-240V	BBP343 G 18W 100-240V
UNIIn-ground	911401755412	GCGM	BBP343 LED B 18W 20D 100-240V	BBP343 B 18W 100-240V
UNIIn-ground	911401755462	GCGM	ZBP400 IP68 3-pin	ZBP400 IP68 3-pin
UNIIn-ground	911401755472	GCGM	ZBP400 IP68 5-pin	ZBP400 IP68 5-pin
UNIIn-ground	911401755482	GCGM	ZBP200 6 in 1 hub	ZBP200 6 in 1 hub

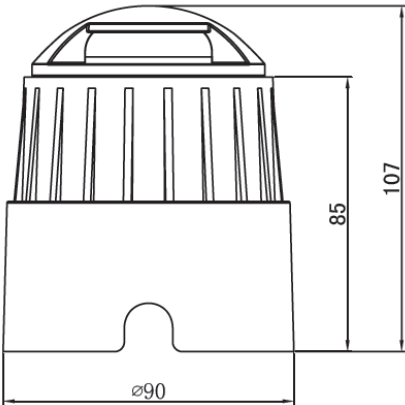
Dimensions



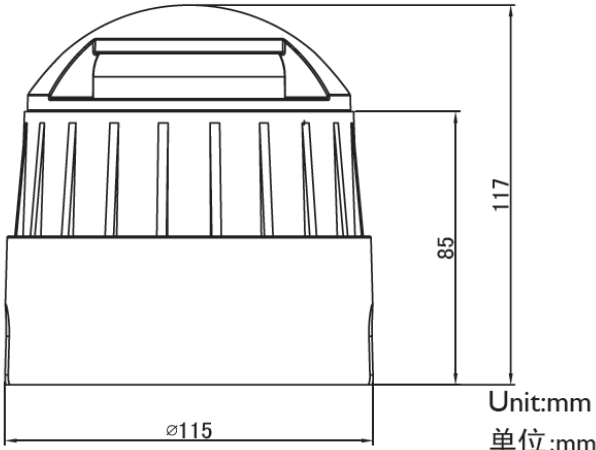
BBP210



BBP211

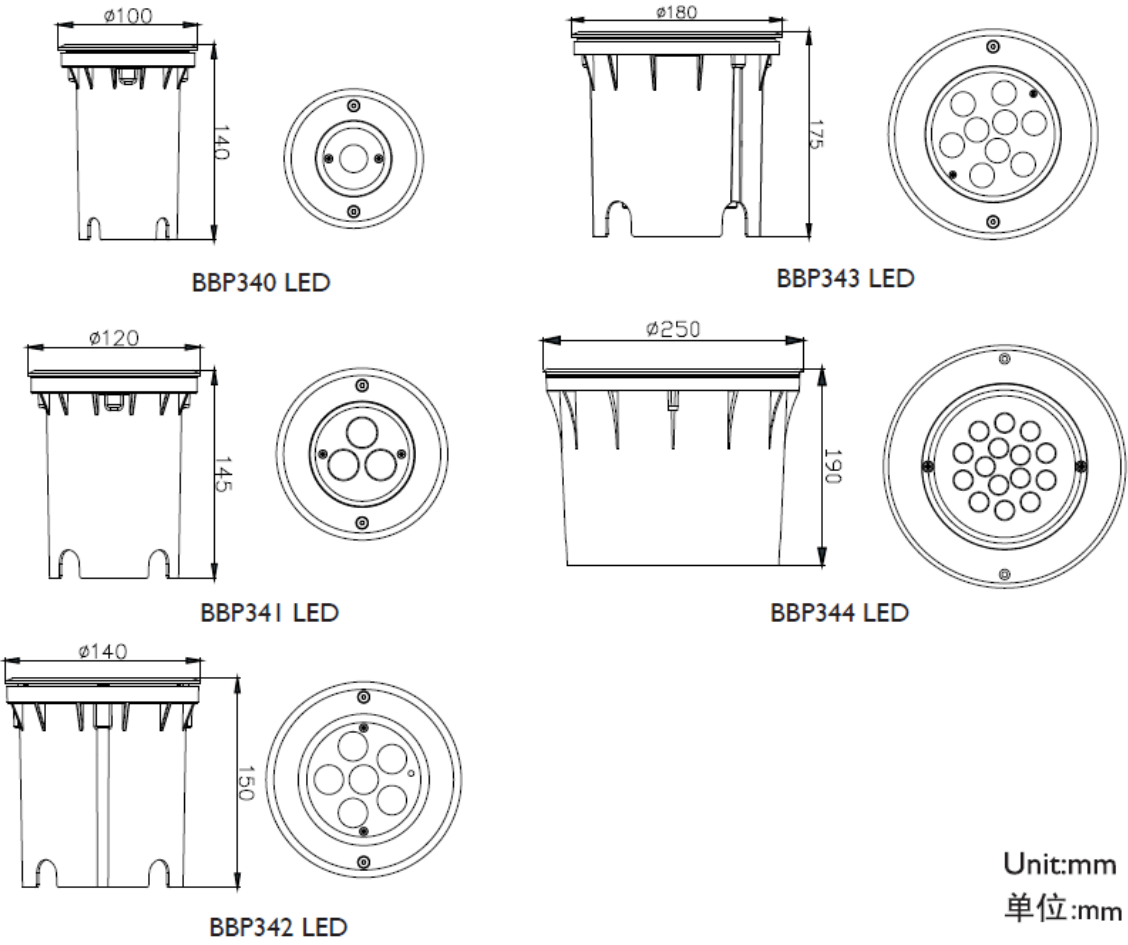


BBP212



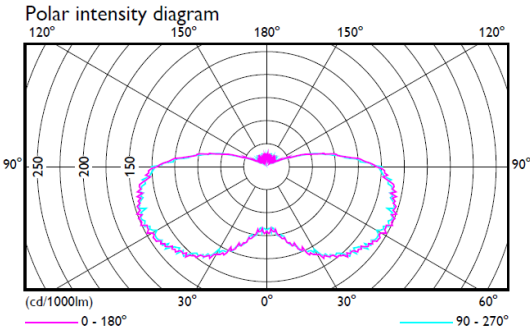
BBP2113

Dimensions

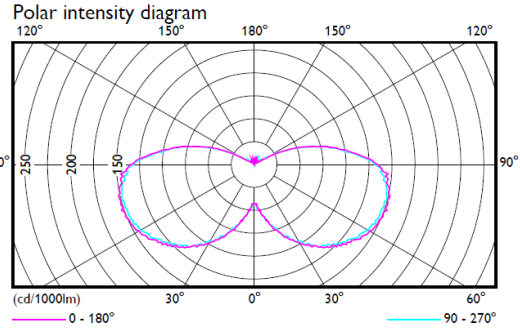


Light distribution*

BBP212 LED45WW 3W 1 x LED
L.O.R. = 1.00 1 x 45 lm

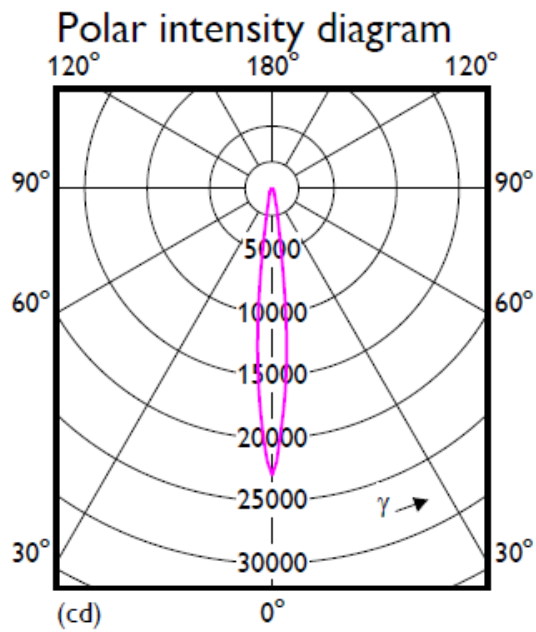


BBP213 LED110WW 6W 1 x LED
L.O.R. = 1.00 1 x 110 lm



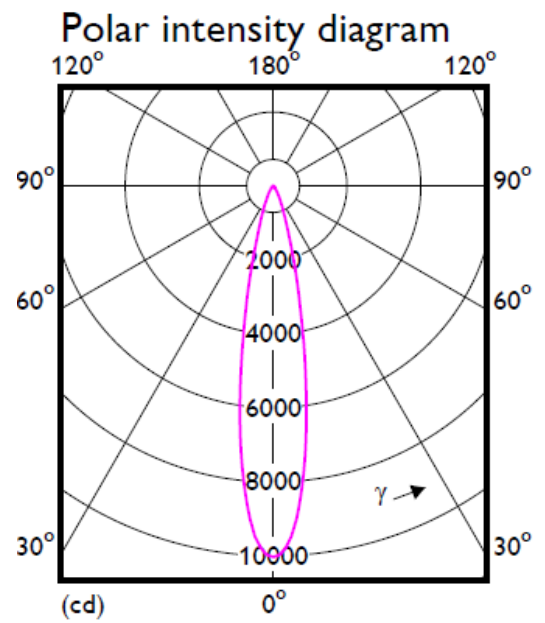
BBP343 LED1800WW 18W 10D 1 x LED

1 x 1800 lm



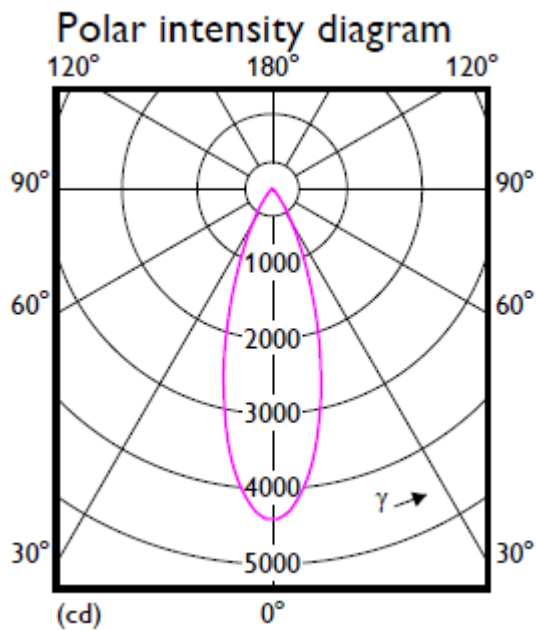
BBP343 LED1800WW 18W 20D 1 x LED

1 x 1800 lm



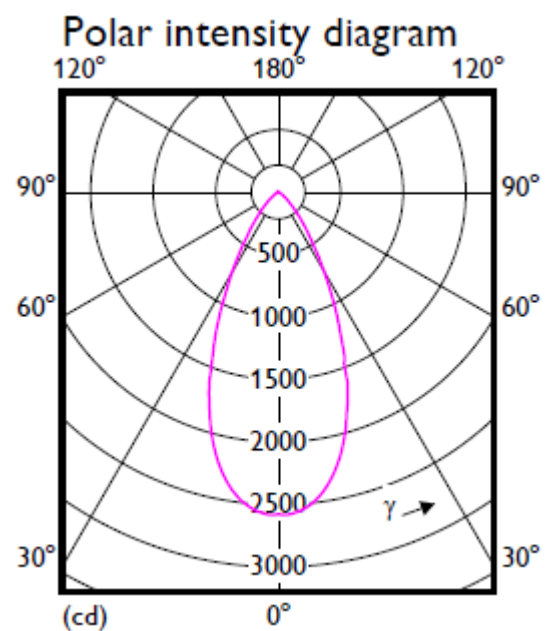
BBP343 LED1800WW 18W 30D 1 x LED

1 x 1800 lm



BBP343 LED1800WW 18W 45D 1 x LED

1 x 1800 lm



* More lighting distributions please refer to IES files.



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