

SmartBright LED Floodlight BVP17x series



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Signify Classified - Internal

SmartBright LED Floodlight

Family Visuals



BVP171



BVP172



BVP173



BVP174



BVP175



BVP176

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SmartBright LED Floodlight



Launch Window:

Dec-2017: 200w

Mar-2018: 30/50/70/100w

May-2018: 150W

Region: GCGMI

Features and benefits

- HID floodlight replacement
- Easy to install
- Outstanding energy savings
- High quality and reliability

Reasons to Believe

- Wattage varies from 30w to 200w, to replace conventional HID floodlight from 70w to 400w
- Slim and compact size, smaller and lighter than conventional. Simple and straight away installation
- Typical 95lm/w system efficacy, up to 56% energy savings compares to HID floodlight
- Meets and exceeds national and international standards

Key specifications

- CCT: 3000K/4000K/5700K
- Wattage: 30/50/70/100/150/200W
- Lifetime: 30Khrs(L70B50@ 35° C)
- Operating T: -40°C~+45°C
- Compliances: CE, CB, EMC, SAA, CQC, EAC, KC

Application: Architecture/landscape lighting/Billboards/advertising lighting/security/amenity lighting/parking area lighting

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Features and benefits

Outstanding energy savings

The SmartBright LED floodlight incorporates high efficient, state-of-the-art LED technology, cutting energy consumption by up to 56% compared to conventional HID static light.

Type	Lumen	System power	HID equivalent	Lumen lm	System power	Energy saving
BVP172	4300lm	50w	RVP250 MHN-TD 70W	4000lm	86w	41%
BVP174	9500lm	100w	RVP250 MHN-TD 150W	9000lm	166w	39%
BVP175	14250lm	150w	RVP350 HPI-T 250W	14000lm	274w	45%
BVP176	19000lm	200w	RVP350 HPI-T 400W	24000lm	460w	56%



VS

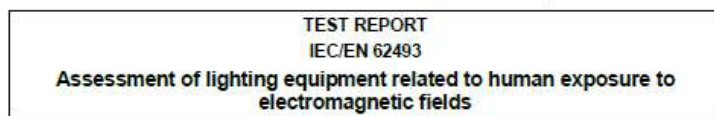
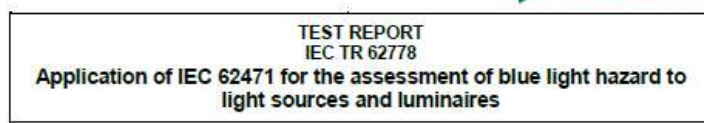
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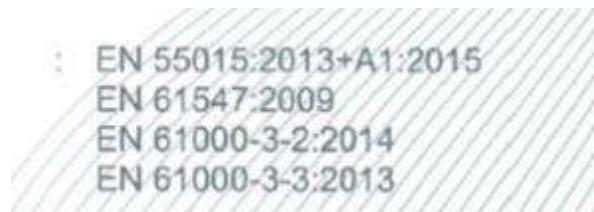
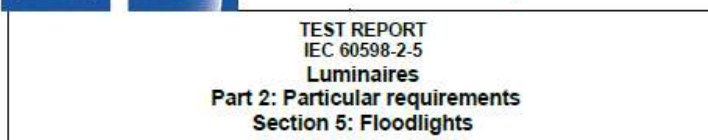
Features and benefits

High quality and reliability

The SmartBright LED Floodlight meets or exceeds national and international standards. It complies to many safety and performance standards.

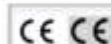


Test Report issued under the responsibility of:



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Philips Lighting



EU Declaration of Conformity

We, Philips Lighting
1699 S.J. (C.R.) / Hoofdwijk 10440
5490 VB Eindhoven, The Netherlands

Internal Ref. No.: 0720
Year in which CE Mark was first affixed: 2017
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Declare under our responsibility for the product:



Certificate of Suitability



SJ11433-17006



TIS.1955-2551



Note: Above mentioned certificates or test reports obtained or in the process to obtain.

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SmartBright LED Floodlight (specifications)

Type	BVP171	BVP172	BVP173	BVP174	BVP175	BVP176
Lumen output*	2’600 lm	4’300 lm	6’650 lm	9’500 lm	14’250lm	19’000lm
Power	30W	50W	70W	100W	150W	200W
SDCM	<7					
CRI	>70					
CCT	3000K / 4000K / 5700K					
Voltage	220-240V~ 50/60Hz					
Surge protection	2KV/4KV (Diff. Mode/Com. Mode)				6KV/6KV (Diff. Mode/Com. Mode)	
LED driver	Fixed output (Integrated with luminaire)					
Connection	600mm flying cable		600mm flying cable; (1000mm flying cable for HK&TW market configuration)			
Materials and finishing	Die-cast aluminum housing, powder coating dark grey (RAL7043) ; Toughened and shatterproof quality PC lens					
Lifetime	30,000 hours (L70B50@35°C)					
Working Temp.	- 40°C ~ +45°C					
Dimensions L x W x D(mm)	195X143X34	270X202X38	300x190x40	356x190x53	375X260X65	390X290X65
Electrical Class	Class I					
IP rating	IP65					
IK rating	IK07					
Cert.	CE, CB, EMC, CQC, AS/NZS60598, KC, TIS.1955-2551					

* The lumen output refers to the typical lumen output of NW(4000K), it could result less lumen in WW(3000K) or higher lumen in CW(5700K).

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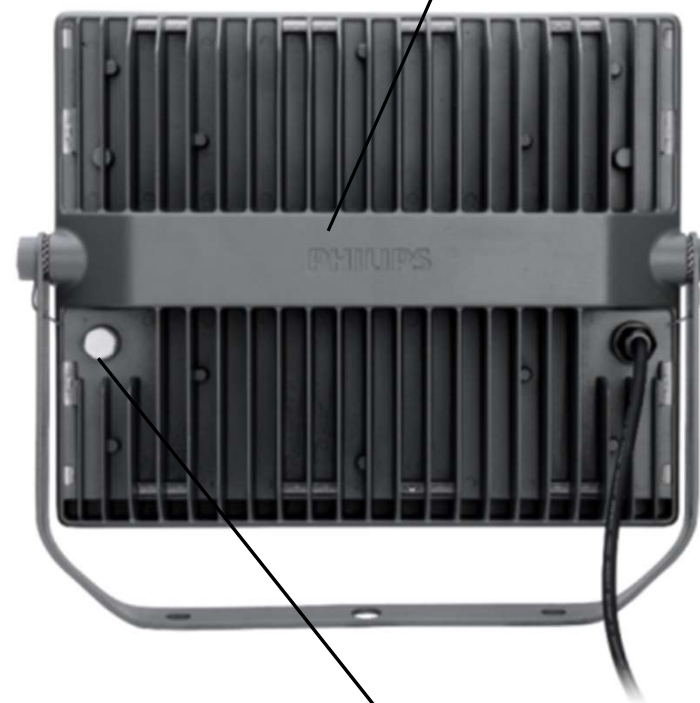
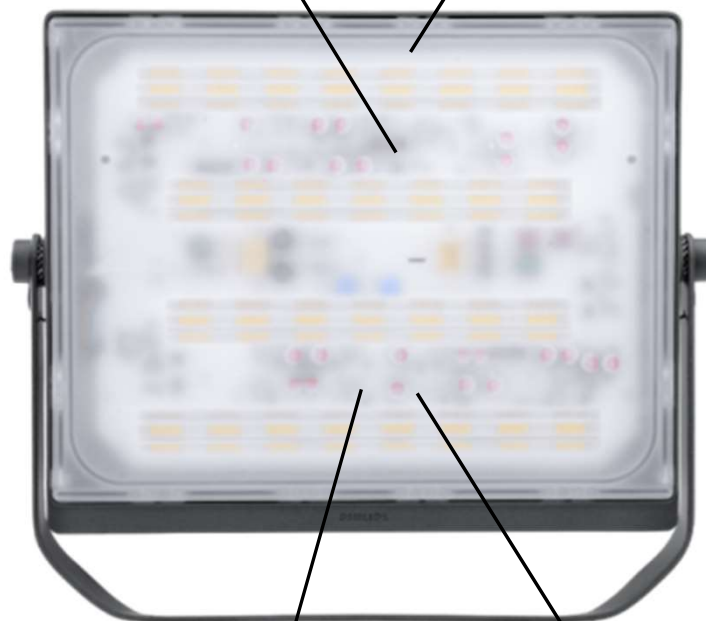
SmartBright LED Floodlight – BVP176 200W example

~20% more E-components
than previous generation.

Value for money

Controlled beam
spread, higher I_{max}
30°x 80°

Die-cast Aluminum
housing(RAL7043) with
heat sink in one piece



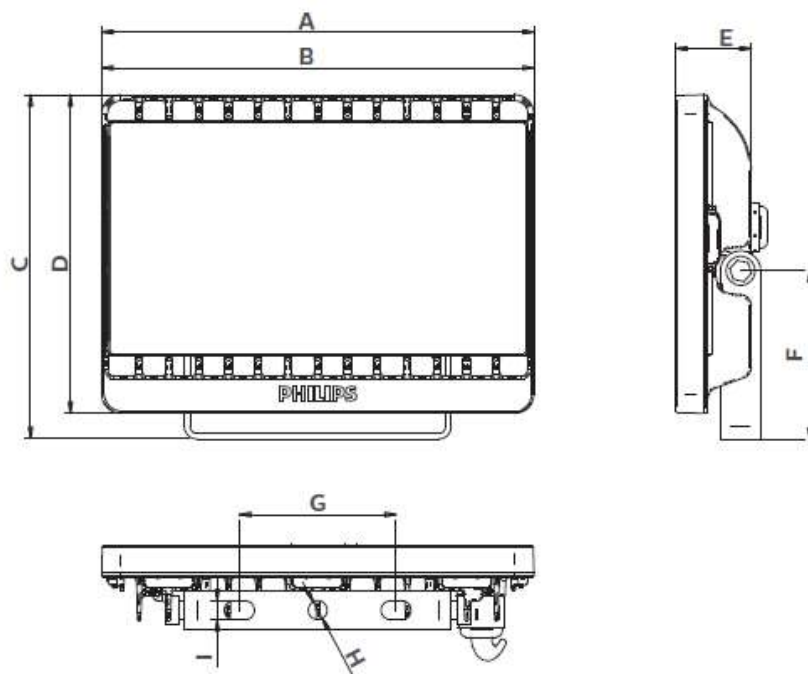
Toughened and
shatterproof quality PC
lens. Pass **IK07** impact
test, **UV-resistant**
material

6/6KV (DM/CM)
surge protection built-in
(available in 150w/200w
model)

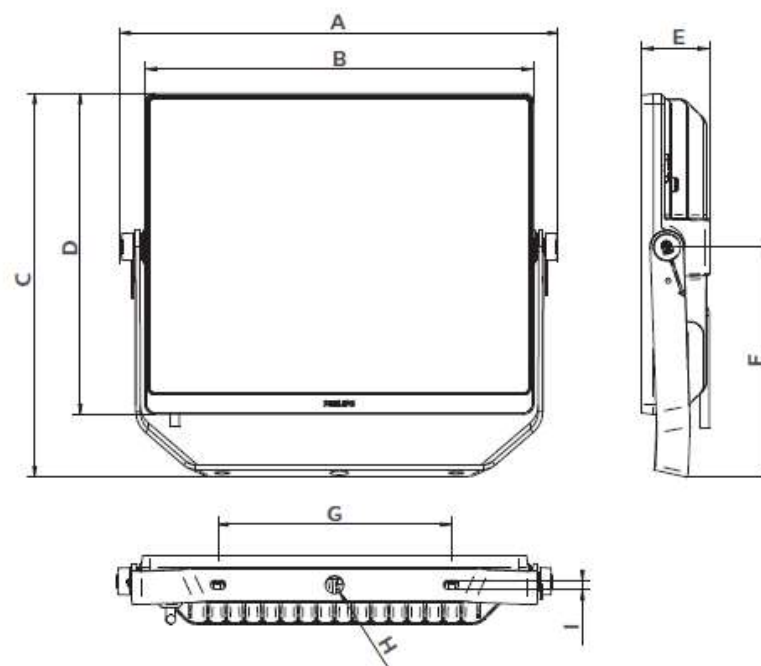
Vent (breather) ensures
IP65 throughout lifetime
(available in 150w/200w
model)

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SmartBright LED Floodlight Dimensions



BVP171 / BVP172



BVP173 / BVP174 / BVP175 / BVP176

Type	Power	A	B	C	D	E	F	G	H	I
BVP171	30W	195	195	155	143	34	75	80	Ø 10.2	8.5
BVP172	50W	270	270	205	202	38	101	120		
BVP173	70W	300	265	235	190	40	140	156	Ø 8.5 / Ø 10.2**	8.5
BVP174	100W	356	310	235	190	53	135	210		
BVP175	150W	375	340	310	260	65	185	210	Ø 16.5	
BVP176	200W	390	350	355	290	65	220	210		

** Specification for Australia, New Zealand and Korea market.

Unit: mm

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