

ALL IN ONE
SOLAR STREET LIGHT



rekasurya
ahlinya tenaga surya

Product Brochure

PHILIPS BRP110-GEN2



PHILIPS
Lighting

PT. Rekasurya Prima Daya

Jl. Terusan Jakarta, Komp Ruko Puri Dago,
No 342 Kav 31, Arcamanik
Kota Bandung
Jawa Barat

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SOLAR STREET LIGHT
PHILIPS BRP110-GEN2



Introduction

PT. Rekasurya Prima Daya is System Integrator for Solar Power System in Indonesia. Also a distributor of various product include regular street light and solar street light. Including Philips All In One Street Light Products.

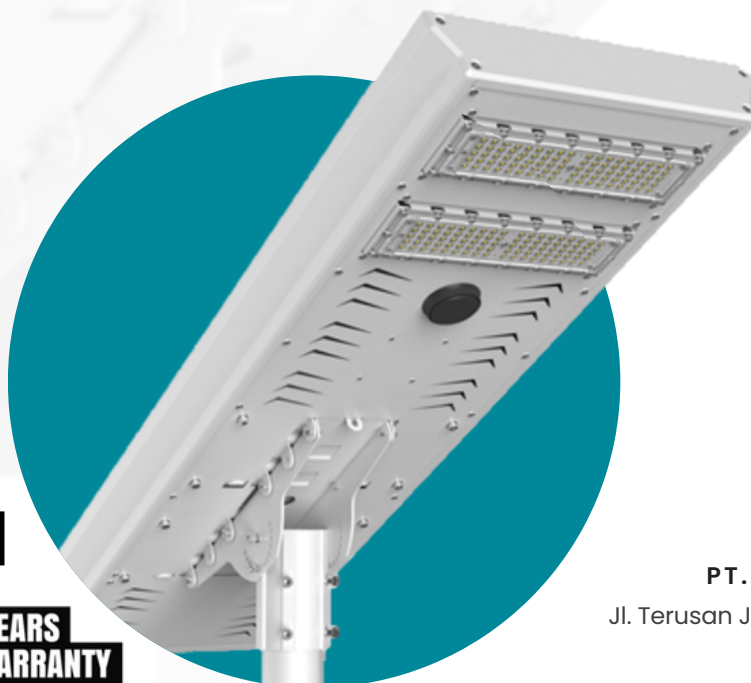
PHILIPS, Is a very well known brand for lighting products for indoor and outdoor, And **BRP110-GEN2 SERIES** is one of the latest solar All in One street light product that **PHILIPS** launch. it is a durable street light with multi purpose application, suitable for various project. Have **SNI** and **TKDN Certificate** And **covered with 3 years unit replacement warranty.**

Applications

- Streets, parks & plazas, parking, pedestrian path lighting, shopping centers, corporate, campuses, industries, schools, etc

Spesification

- Inbuilt Monocrystalline Photovoltaic Panel.
- LiFePO4 Battery
- Product with range 5000, 8500, 12000 and 18000 Lumen
- Auto turn on/off by sensing dusk and dawn
- Wireless remote for demo configuration / hibernation activation.
- Microwave sensor based dimming profile. Which can be configured.
- Integrated MPPT charge controller with efficiency > 90%
- CRI>70, CCT 5700K.
- IP65 protection.
- Optional remote for configuration of lumen and dimming profile



SNI
TKDN

3 YEARS
WARRANTY
unit replacement



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Detail Specification

BRP110 LED50/757 G2

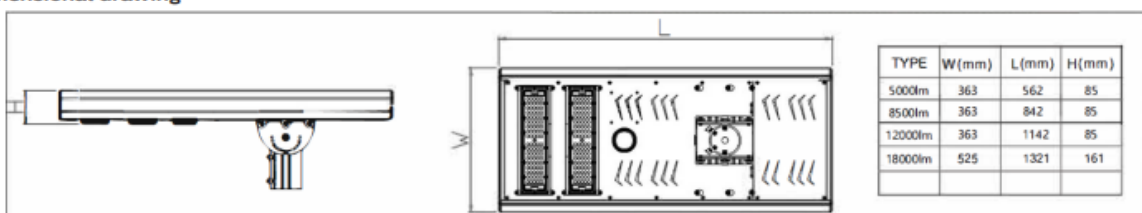
Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire.
Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun.
Microwave based motion sensor for optimizing battery autonomy.



General information		Configurability	
Driver included	Yes	Configurability	Configurable
Optical cover/lens type	Polycarbonate	Mechanical and housing	
Control interface	IR remote	Overall length	562 mm
Warranty period	3 years	Overall width	363 mm
Material	Aluminum	Overall height	85 mm
Operating and electrical		Approval and application	
Battery type	Lithium Ferro Phosphate	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Battery ampere hour	60 Ah	Mech. impact protection code	IK08 [5 J vandal-protected]
Battery voltage	3.2 V	Initial performance (IEC compliant)	
Battery charging & discharging cycles	2000	Initial luminous flux (system flux)	5000 lm
Panel type	Mono crystalline	Init. Corr. Color Temperature	5700 K
Panel voltage	12 V	Init. Color Rendering Index	>70
Panel peak wattage	35 W	Application conditions	
Charge controller type	MPPT	Ambient temperature range	0 to +50 °C
Charge controller wattage	27 W	Ambient temperature range for charging	0 to +50°C
Controls and dimming		Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Dimmable	Yes	Order product name	BRP110 LED50/757 G2
Autonomy		Order code	911401833902
Autonomy	up to 24 h	Numerator - Quantity Per Pack	1
Solar dimming profile		Numerator - Packs per outer box	1
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%	Material Nr. (12NC)	911401833902
Grid connection type	Off grid		
Battery location	Inside Luminaire		

IP65 IK08

Dimensional drawing



Detail Specification

BRP110 LED85/757 G2

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun. Microwave based motion sensor for optimizing battery autonomy.



General information	
Driver included	Yes
Optical cover/lens type	Polycarbonate
Control interface	IR remote
Warranty period	3 years
Material	Aluminum

Operating and electrical	
Battery type	Lithium Ferro Phosphate
Battery ampere hour	54 Ah
Battery voltage	6.4 V
Battery charging & discharging cycles	2000
Panel type	Mono crystalline
Panel voltage	14 V
Panel peak wattage	55 W
Charge controller type	MPPT
Charge controller wattage	42 W

Controls and dimming	
Dimmable	Yes

Autonomy	up to 24 h
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%
Grid connection type	Off grid
Battery location	Inside Luminaire

Configurability	Configurability
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Mechanical and housing	
Overall length	842 mm
Overall width	363 mm
Overall height	85 mm

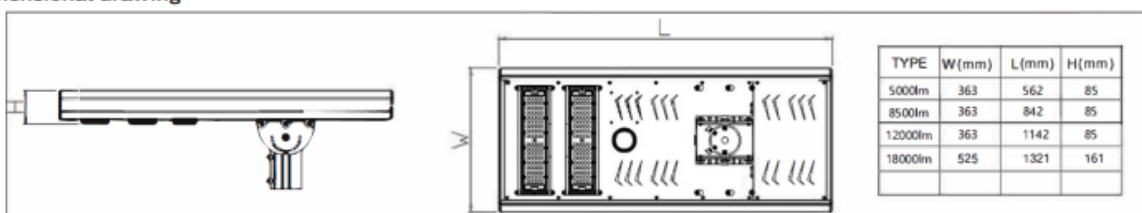
Approval and application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Initial performance (IEC compliant)	
Initial luminous flux (system flux)	8500 lm
Init. Corr. Color Temperature	5700 K
Init. Color Rendering Index	>70

Application conditions	
Ambient temperature range	0 to +50 °C
Ambient temperature range for charging	0 to +50°C
Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Order product name	BRP110 LED85/757 G2
Order code	911401834002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401834002



Dimensional drawing



Detail Specification

BRP110 LED120/757 G2

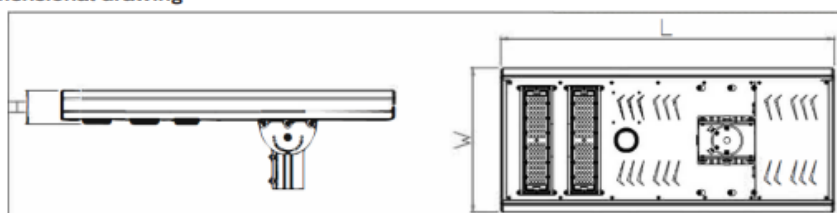
Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire.
Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun.
Microwave based motion sensor for optimizing battery autonomy.



General information		Configurability	Configurable
Driver included	Yes		
Optical cover/lens type	Polycarbonate		
Control interface	IR remote		
Warranty period	3 years		
Material	Aluminum		
Operating and electrical		Mechanical and housing	
Battery type	Lithium Ferro Phosphate	Overall length	1142 mm
Battery ampere hour	72 Ah	Overall width	363 mm
Battery voltage	6.4 V	Overall height	85 mm
Battery charging & discharging cycles	2000		
Panel type	Mono crystalline	Approval and application	
Panel voltage	13 V	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Panel peak wattage	80 W	Mech. impact protection code	IK08 [5 J vandal-protected]
Charge controller type	MPPT	Initial performance (IEC compliant)	
Charge controller wattage	65 W	Initial luminous flux (system flux)	12000 lm
		Init. Corr. Color Temperature	5700 K
		Init. Color Rendering Index	>70
Controls and dimming		Application conditions	
Dimmable	Yes	Ambient temperature range	0 to +50 °C
		Ambient temperature range for charging	0 to +50°C
		Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Autonomy	up to 24 h	Order product name	BRP110 LED120/757 G2
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%	Order code	911401834102
Grid connection type	Off grid	Numerator - Quantity Per Pack	1
Battery location	Inside Luminaire	Numerator - Packs per outer box	1
		Material Nr. (12NC)	911401834102



Dimensional drawing



TYPE	W(mm)	L(mm)	H(mm)
5000lm	363	562	85
8500lm	363	842	85
12000lm	363	1142	85
18000lm	525	1321	161

Detail Specification

BRP110 LED180/757 G2

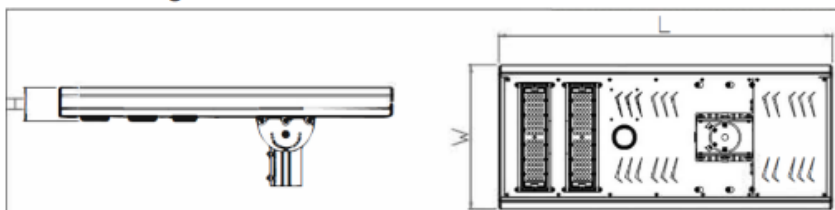
Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire.
Independently tilt-able LED source and pole mounting bracket allows light beam to focus on road, and solar panel towards the sun.
Microwave based motion sensor for optimizing battery autonomy.



General information		Configurability	Configurable
Driver included	Yes		
Optical cover/lens type	Polycarbonate		
Control interface	IR remote		
Warranty period	3 years		
Material	Aluminum		
Operating and electrical		Mechanical and housing	
Battery type	Lithium Ferro Phosphate	Overall length	1320 mm
Battery ampere hour	30 Ah	Overall width	525 mm
Battery voltage	25.6 V	Overall height	161 mm
Battery charging & discharging cycles	2000		
Panel type	Mono crystalline	Approval and application	
Panel voltage	34.5 V	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Panel peak wattage	125 W	Mech. impact protection code	IK08 [5 J vandal-protected]
Charge controller type	MPPT		
Charge controller wattage	92 W	Initial performance (IEC compliant)	
		Initial luminous flux (system flux)	18000 lm
		Init. Corr. Color Temperature	5700 K
		Init. Color Rendering Index	>70
Controls and dimming		Application conditions	
Dimmable	Yes	Ambient temperature range	0 to +50 °C
		Ambient temperature range for charging	0 to +50°C
		Ambient temperature range for discharging (when light is on)	-10 to +60 °C
Autonomy	up to 24 h	Order product name	BRP110 LED180/757 G2
Solar dimming profile	First 2 Hrs - On motion : 100%, without motion :30% ; Next 3 Hrs - On motion : 60%, without motion :20% ; Next 6 Hrs On motion : 30%, without motion :10% ; Rest of the Night: On motion : 50%, without motion :30%	Order code	911401834202
Grid connection type	Off grid	Numerator - Quantity Per Pack	1
Battery location	Inside Luminaire	Numerator - Packs per outer box	1
		Material Nr. (12NC)	911401834202

IP 65 IK 08

Dimensional drawing



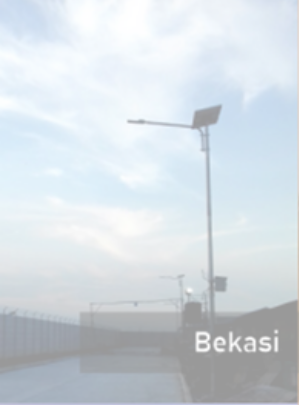
TYPE	W(mm)	L(mm)	H(mm)
5000lm	363	562	85
8500lm	363	842	85
12000lm	363	1142	85
18000lm	525	1321	161

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Portofolios



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Bekasi



Bogor



Maluku



Aceh



Cikarang



Bogor



Medan



Bekasi



Bandung



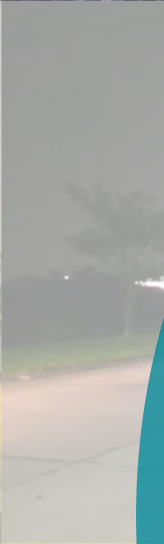
Garut



Kupang



Depok



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GET IN TOUCH

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