



PHILIPS

EcoSet

GreenPerform Highbay
G5 L1 wireless

A versatile LED highbay with optimized performance and EcoSet wireless industry control system

The GreenPerform Highbay G5 L1 W carries the EcoSet industry wireless solution. Each luminaire is integrated with a wireless high bay sensor. And the system is designed to provide simple commissioning, focused on group control, affordable cost, and all the energy-saving benefits. On top of the brilliant basic control system feature, the GreenPerform Highbay G5 luminaire continues the GreenPerform family's enviable reputation for reliable performance. Not only does it deliver leading system efficacy and extended long-term quality, it also promises Unified Glare Rating (UGR) control with compact dimensions.

Features and benefits

- **160lm/W** system efficacy, excellent energy saving.
- **50,000 hours L80 lifetime @Ta 35°C**, long-term quality and reliability.
- **Glare control** and uniform illuminance for narrow beam and wide beam.
- **Easy** and **Simple** way to achieve energy saving
- Designed to provide **Simple Commissioning** – Gateway/Cloud/APP free
- Installation savings – wireless sensor integrated, no need to order separate components

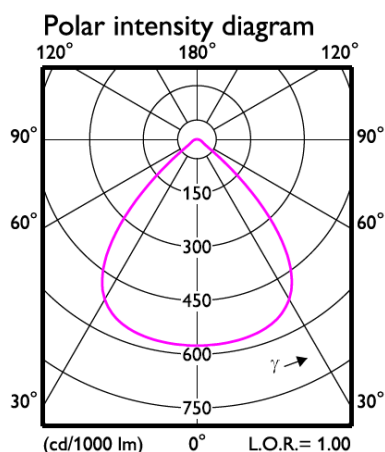
Applications

- General manufacturing
- Warehouses
- Logistic center
- Exhibition hall
- Stadium
- Public area

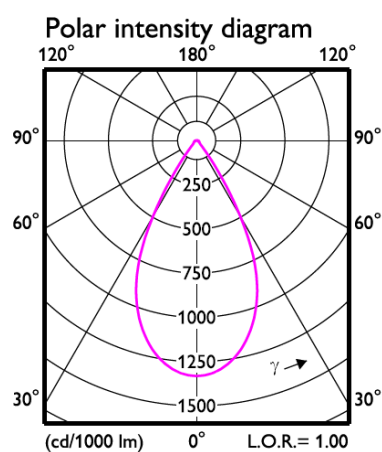
Product Data _ EcoSet wireless

Types (BY698P G5 Connected)	LED105	LED150	LED200	LED250	LED300
Lumen Output (typ.)	(10500lm)	15000lm	20000lm	25000lm	30000lm
System Power (typ.)	67W	95W	126W	157W	192W
Tolerance	-10%/+10%				
System Efficacy (typ.)	160lm/W				
CCT (typ.)	4000K / 6500K				
CRI	80				
Color consistency	5 SDCM				
IP/IK rating	IP65 / IK08 (luminaire); IP65 / IK03 (sensor)				
Classification	Class I				
Operation Temperature	-30°C to +50°C (Ta35°C)				
Lifetime	50Khrs L80B50 @35°C				
Optics	WB; NB (ETO)				
UGR (typ.)	UGR 25 (WB); UGR 22 (NB, ETO)				
Input Voltage	220-240V, 50/60 Hz				
Power factor	0.95				
Surge projection	2KV/4KV				
THD	<15% (<20% for LED105)				
Flicker (Max. driver ripple)	<30%				
Mounting / Installation	Suspension (Suspension Kit/Pipe Nut); Surfaced (Bracket)				
	Pipe included in the package for GC version Suspension Mounting included in the package for others				
	Optional: Bracket				
Warranty	3 years				
Sensor	EcoSet industry wireless sensor (SIG201 PIR IP65 Wireless GR)				
Housing Color	RAL7012				
Diameter (mm)	Φ290	Φ290	Φ330	Φ393	Φ393
Height (mm)	100	100	100	110	110
Weight (KGS)	2.1	2.1	2.8	4.5	4.5
Certification	CCC/CB/EMC/CE/SAA/RED				

Photometry



WB



NB

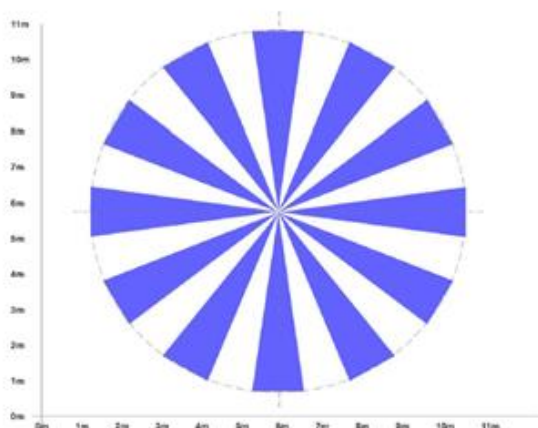
Product Data _ EcoSet wireless PIR sensor

Technical data (SIG201 PIR IP65 Wireless)	Specification
Sensor type	PIR & Daylight
Detection type	Motion and daylight harvesting
Mounting height	6 - 12m*
Detection range (diameter)	Diameter = Mounting height @mounting height = 6-10m; Diameter = 10m @mounting height = 10-12m
Hold time	10min default (3/10/15/30min)
Background light level	20% default (20%/30%/50%/70%)
Dimming level	20%-100% (dimming step by 10%)
Temp range	-30°C...+50°C
IP/IK rating	IP65 / IK03
Daylight Sensing	Yes (disable by default)
Field Configuration	Via EcoSet remote controller
Wireless Protocol	BLE Mesh & IR receiver
Grouping nodes	Up to 50 nodes in one group

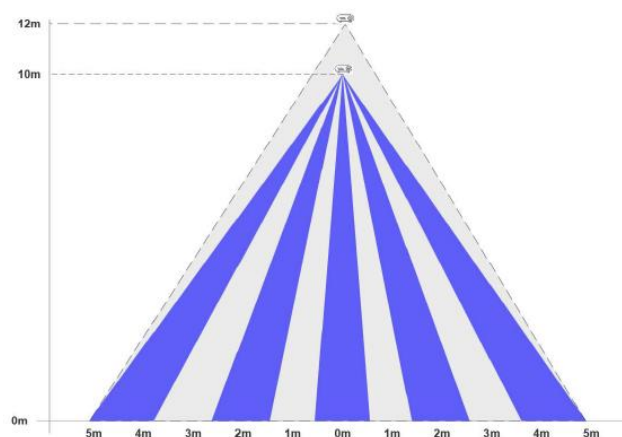
* Recommend to install the sensor at height 6-10m to achieve the best sensing performance.

**The sensor coverage is defined under the typical testing environment.

Sensor coverage patterns (@typical testing environment)



* Major detection range typical radius=5m @ 25°C



* Max height 10m (performance) @ 25°C

* Max height 12m (operational) @ 25°C

Order Information

12NC	Description	Specification
911401545502	BY698X G5 LED105/NW L1 W WB GC	67W, 10500lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401545602	BY698X G5 LED105/CW L1 W WB GC	67W, 10500lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401545702	BY698X G5 LED150/NW L1 W WB GC	95W, 15000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401545802	BY698X G5 LED150/CW L1 W WB GC	95W, 15000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401545902	BY698X G5 LED200/NW L1 W WB GC	126W, 20000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401546002	BY698X G5 LED200/CW L1 W WB GC	126W, 20000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401546102	BY698X G5 LED250/NW L1 W WB GC	157W, 25000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401546202	BY698X G5 LED250/CW L1 W WB GC	157W, 25000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401546302	BY698X G5 LED300/NW L1 W WB GC	192W, 30000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401546402	BY698X G5 LED300/CW L1 W WB GC	192W, 30000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401546502	BY698X G5 LED105/NW L1 W WB GM	67W, 10500lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401546602	BY698X G5 LED105/CW L1 W WB GM	67W, 10500lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401546702	BY698X G5 LED150/NW L1 W WB GM	95W, 15000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401546802	BY698X G5 LED150/CW L1 W WB GM	95W, 15000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401546902	BY698X G5 LED200/NW L1 W WB GM	126W, 20000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547002	BY698X G5 LED200/CW L1 W WB GM	126W, 20000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401547102	BY698X G5 LED250/NW L1 W WB GM	157W, 25000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547202	BY698X G5 LED250/CW L1 W WB GM	157W, 25000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401547302	BY698X G5 LED300/NW L1 W WB GM	192W, 30000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547402	BY698X G5 LED300/CW L1 W WB GM	192W, 30000lm, 6500K, EcoSet (L1) wireless, Wide Beam
911401548002	BY698X G5 LED105/NW L1 W WB GM L3m	67W, 10500lm, 4000K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548102	BY698X G5 LED105/CW L1 W WB GM L3m	67W, 10500lm, 6500K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548202	BY698X G5 LED150/NW L1 W WB GM L3m	95W, 15000lm, 4000K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548302	BY698X G5 LED150/CW L1 W WB GM L3m	95W, 15000lm, 6500K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548402	BY698X G5 LED200/NW L1 W WB GM L3m	126W, 20000lm, 4000K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548502	BY698X G5 LED200/CW L1 W WB GM L3m	126W, 20000lm, 6500K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548602	BY698X G5 LED250/NW L1 W WB GM L3m	157W, 25000lm, 4000K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548702	BY698X G5 LED250/CW L1 W WB GM L3m	157W, 25000lm, 6500K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548802	BY698X G5 LED300/NW L1 W WB GM L3m	192W, 30000lm, 4000K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401548902	BY698X G5 LED300/CW L1 W WB GM L3m	192W, 30000lm, 6500K, EcoSet (L1) wireless, Wide Beam, 3m flying cable
911401547502	BY698X G5 LED105/840 L1 W WB CAU	67W, 10500lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547602	BY698X G5 LED150/840 L1 W WB CAU	95W, 15000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547702	BY698X G5 LED200/840 L1 W WB CAU	126W, 20000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547802	BY698X G5 LED250/840 L1 W WB CAU	157W, 25000lm, 4000K, EcoSet (L1) wireless, Wide Beam
911401547902	BY698X G5 LED300/840 L1 W WB CAU	192W, 30000lm, 6500K, EcoSet (L1) wireless, Wide Beam

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Order Information

12NC	Description	Specification
911401594191	BY698Z G5 Bracket	RAL7012, Bracket for all type
911401501071	Pipe nut set	Spare part, Pipe for Connected

- L1 driver and L1 sensor service part 12nc codes will be updated soon.

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