

**PHILIPS**

PowerBalance Elite

 Smart

 Scalable

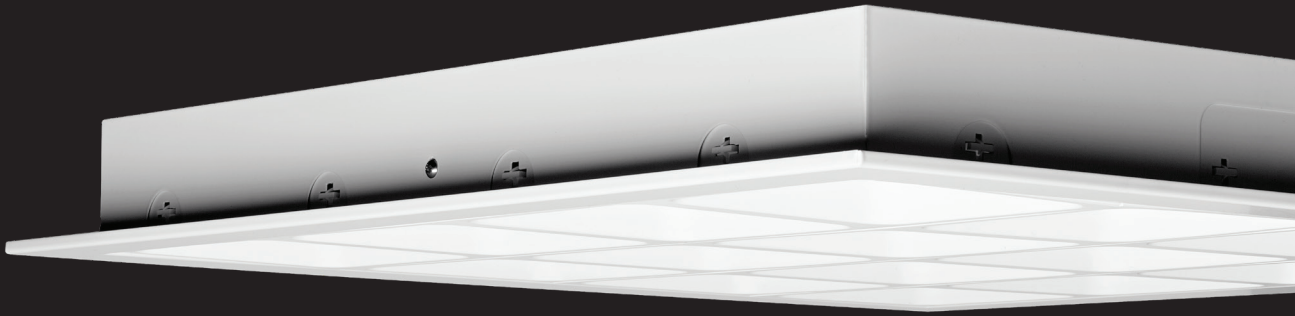
 Sustainable

**interact** ready.

Future ready your  
business with **smart**  
office lighting



# Professionals **count** on the **new** **PowerBalance Elite**



Whether you're looking to reduce energy costs or improve your building's lighting flexibility, PowerBalance is all you need to create a first class LED lighting installation. By balancing horizontal and vertical brightness and combining it with low glare, PowerBalance creates an attractive environment in which both the entire space, plus the individual workspaces are perfectly lit.

CRI 90 / SDCM3 are standard with PowerBalance Elite and support designing for health and well-being as defined by the WELL building Standard. Lighting controls play an important part in providing complete office lighting solutions. Signify is able to offer 2 channel Tunable White, Interact Office in both wired and wireless solutions as well as the user friendly SpaceWise 'standalone' wireless system. More details on Page 4

- ✓ High quality CRI 90 /  $R9 \geq 50$  LED chips with SDCM 3 specification ensure the best colour quality and minimal colour shift
- ✓ Choice of 2 lumen outputs per colour temperature to suit all office needs
- ✓ Multiple choices of control interfaces are available to make lighting control simple
- ✓ Three colour temperature options are available to enhance the working environment
- ✓ Best in class luminaire efficacy of 135lm/W, ensures the lowest TCO payback



• 135lm/W efficacy



• 100,000hrs at L70



- Dali
- Interact Ready
- SpaceWise
- Tunable White



• IP20



• CRI 90 /  $R9 \geq 50$

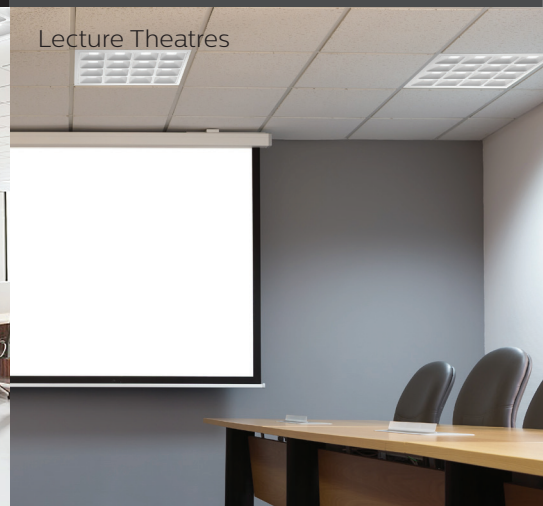
Open Plan Offices



Meeting Rooms



Lecture Theatres



# Specifications

MODEL	PowerBalance (RC650B X)					
Type	LED30	LED29	LED25	LED40	LED38	LED33
Power (PSD)	22W	22W	22W	29W	29W	29W
System Lumens	3000lm	2900lm	2500lm	4000lm	3800lm	3350lm
System Efficacy	136lm/W	132lm/W	114lm/W	138lm/W	131lm/W	115lm/W
Colour Temperature	4000K	3500K	3000K	4000K	3500K	3000K
Size (mm)	1200x300 & 600x600					
Mounting	Recessed					
Input Voltage	220-240V					
Electrical Class	I					
Driver Type	PSD-Dali /System Ready/*Tunable White Dali 209					
Driver Lifetime	**100,000hrs / max 10% Failures					
Electrical Connection	1.5m pre-wired flex & plug (CAU)					
Lumen Maintenance	100,000hrs/L70 - 65,000hrs/L80 - 50,000hrs/L85 - (Based on TM21 Calculations)					
SDCM	<3					
CRI	CRI 90 / R9 ≥ 50					
IP Rating	IP20					
UGR Rating	UGR19					
Optical Type	Smart Pyramid Optics					
Finish	White (RAL 9003)					
Warranty	5 Years					

\* Tunable White Available Q2 2020 \*\* Based on PSD-Dali model

## Flicker free

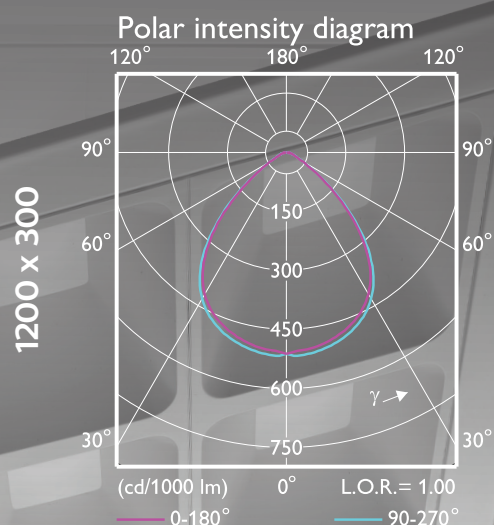
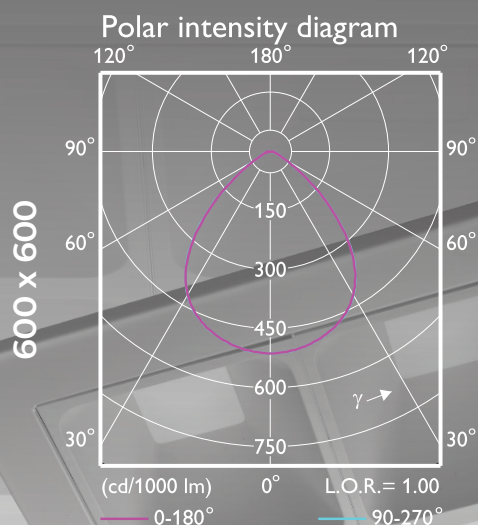
Philips Office Elite Products utilise industry best LED drivers that deliver flicker<sup>1</sup> free performance and no stroboscopic effect<sup>2</sup>.

<sup>1</sup> Additionally the Dali standard specifies 8 bit (256 discrete light levels) that can introduce the appearance of Flicker during transitions (dynamic dimming).

Dimming performance is improved with Elite Luminaires by the addition of further bits totalling 32,000 (15bit). These interpolated dimming levels protect against flicker artefacts during light level transitions.

<sup>2</sup> In the absence of compulsory standards Philips Lighting opted to use the accepted test methods according to IEC TR 61547-1 [1] (Flicker) and IEC TR 61547-1 [5] (Stroboscopic Effect) with the following limits: PstLM ≤ 0.5 and SVM ≤ 1.

## Polar intensity





# Control Options

**Dali** A reliable constant current Dali Driver is supplied standard with the PowerBalance Elite to provide stable lumen output and light quality that lighting specifiers and architects demand. The dimming range is between 1-100%, the nominal life is 100,000 hours, and the driver interfaces with DALI and Touch & Dim control systems.

**Lighting control made easy with Dynalite** The Philips Dynalite control platform benefits from 30 years of experience in delivering superior lighting control solutions. Dynalite manages all DALI luminaires, Tunable White recipes to create better environments, and occupancy strategies to maximise the efficiency of workspaces. This takes place seamlessly through multiple control components and the distributed intelligence defining relationships within the system architecture. Reporting and monitoring of the network via Dynalite System Manager software not only provides insights into the operation but also DALI reporting – giving the client the necessary tools to effectively manage the intelligent building.

**Get more out of your Luminaire with SpaceWise** Controllable wireless lighting gives you the flexibility to set the right lighting level for each specific area within your office space, while also allowing workers to personalise their own settings, thereby enhancing their well-being and comfort. You can achieve all these goals while making significant savings. Philips SpaceWise gives you all the flexibility you need and installation is easy. There is no need for expensive and complicated rewiring. Integrated sensors in every luminaire allows for full occupancy sensing and daylight harvesting. The ZigBee Drivers will communicate with all other luminaires wirelessly. Programming and Zoning is achieved via a remote control.

**Tunable WHITE** Human Centric Lighting can lead to enhanced concentration and increased productivity. When indoor lighting is matching natural circadian rhythms, this can enhance a sense of well-being, and Melanopic Light can be shown to improve sleep patterns. The CCT range is (2700°k to 6500°k). The Tunable White concepts are set to revolutionize the way we work.

Turn your **working** environment into a **smart office**

**interact**  
**Office**

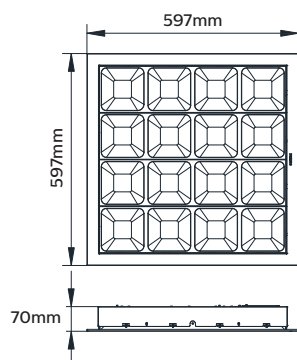
Support employee performance and reduce time wasted with the Interact Office software and system architecture. This will help employees find free meeting rooms or an available workspace, and enable them to personalise lighting. Then use occupancy insights to see where and how people prefer to work, opening your eyes to potential for energy and space savings, and efficiency gains. Simply install LED connected lighting from Philips with embedded IoT sensors, and use interact Office software and insights to increase building efficiency and optimize space to create a sustainable smart office. Available in both wired (POE) and Wireless options.



# Dimensions & Weights

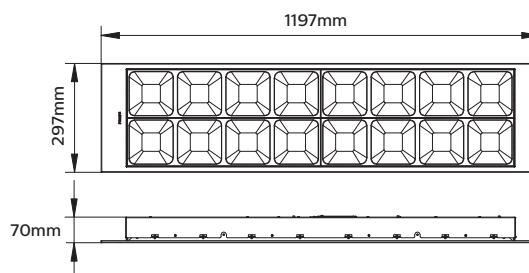
Dimensions shown above are nominal measurements. Slight variations in dimensions may occur in production.

**RC650B W60L60**



wt. 5.3KG

**RC650B W30L120**



wt. 5.3KG

## Order codes

12NC	Description	Specification
ETO	RC650B LED25S930 PSD W60L60 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, Dali, Square
ETO	RC650B LED25S930 PSD W30L120 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, Dali, Rectangle
ETO	RC650B LED25S930 IAO W60L60 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, Interact Office, Square
ETO	RC650B LED25S930 IAO W30L120 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, Interact Office, Rectangle
ETO	RC650B LED25S930 SWZ W60L60 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, SpaceWise, Square
ETO	RC650B LED25S930 SWZ W30L120 CAU	Recessed, 22W, 2500lm, 3000K, CRI90, SpaceWise, Rectangle
ETO	RC650B LED33S930 PSD W60L60 CAU	Recessed, 29W, 3350lm, 3000K, CRI90, Dali, Square
ETO	RC650B LED33S930 PSD W30L120 CAU	Recessed, 29W, 3350lm, 3000K, CRI90, Dali, Rectangle
ETO	RC650B LED33S930 IAO W60L60 CAU	Recessed, 30W, 3350lm, 3000K, CRI90, Interact Office, Square
ETO	RC650B LED33S930 IAO W30L120 CAU	Recessed, 30W, 3350lm, 3000K, CRI90, Interact Office, Rectangle
ETO	RC650B LED33S930 SWZ W60L60 CAU	Recessed, 30W, 3350lm, 3000K, CRI90, SpaceWise, Square
ETO	RC650B LED33S930 SWZ W30L120 CAU	Recessed, 30W, 3350lm, 3000K, CRI90, SpaceWise, Rectangle
ETO	RC650B LED29S935 PSD W60L60 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, Dali, Square
ETO	RC650B LED29S935 PSD W30L120 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, Dali, Rectangle
ETO	RC650B LED29S935 IAO W60L60 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, Interact Office, Square
ETO	RC650B LED29S935 IAO W30L120 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, Interact Office, Rectangle
ETO	RC650B LED29S935 SWZ W60L60 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, SpaceWise, Square
ETO	RC650B LED29S935 SWZ W30L120 CAU	Recessed, 22W, 2900lm, 3500K, CRI90, SpaceWise, Rectangle
ETO	RC650B LED38S935 PSD W60L60 CAU	Recessed, 29W, 3800lm, 3500K, CRI90, Dali, Square
ETO	RC650B LED38S935 PSD W30L120 CAU	Recessed, 29W, 3800lm, 3500K, CRI90, Dali, Rectangle
ETO	RC650B LED38S935 IAO W60L60 CAU	Recessed, 30W, 3800lm, 3500K, CRI90, Interact Office, Square
ETO	RC650B LED38S935 IAO W30L120 CAU	Recessed, 30W, 3800lm, 3500K, CRI90, Interact Office, Rectangle
ETO	RC650B LED38S935 SWZ W60L60 CAU	Recessed, 30W, 3800lm, 3500K, CRI90, SpaceWise, Square
ETO	RC650B LED38S935 SWZ W30L120 CAU	Recessed, 30W, 3800lm, 3500K, CRI90, SpaceWise, Rectangle
ETO	RC650B LED30S940 PSD W60L60 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, Dali, Square
ETO	RC650B LED30S940 PSD W30L120 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, Dali, Rectangle
ETO	RC650B LED30S940 IAO W60L60 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, Interact Office, Square
ETO	RC650B LED30S940 IAO W30L120 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, Interact Office, Rectangle
ETO	RC650B LED30S940 SWZ W60L60 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, SpaceWise, Square
ETO	RC650B LED30S940 SWZ W30L120 CAU	Recessed, 22W, 3000lm, 4000K, CRI90, SpaceWise, Rectangle
911401558161	RC650B LED40S940 PSD W60L60 CAU	Recessed, 29W, 4000lm, 4000K, CRI90, Dali, Square
911401558361	RC650B LED40S940 PSD W30L120 CAU	Recessed, 29W, 4000lm, 4000K, CRI90, Dali, Rectangle
911401558661	RC650B LED40S940 IAO W60L60 CAU	Recessed, 30W, 4000lm, 4000K, CRI90, Interact Office, Square
911401558761	RC650B LED40S940 IAO W30L120 CAU	Recessed, 30W, 4000lm, 4000K, CRI90, Interact Office, Rectangle
ETO	RC650B LED40S940 SWZ W60L60 CAU	Recessed, 30W, 4000lm, 4000K, CRI90, Spacewise, Square
ETO	RC650B LED40S940 SWZ W30L120 CAU	Recessed, 30W, 4000lm, 4000K, CRI90, SpaceWise, Rectangle
ETO	RC650B LED45S940 PSD W60L60 TWN CAU	Recessed, 36W, 4500lm, 209 Tunable White, CRI90, Dali, Square
ETO	RC650B LED45S940 PSD W30L120 TWN CAU	Recessed, 36W, 4500lm, 209 Tunable White, CRI90, Dali, Rectangle



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