

## PowerBalance 3.0 – Features and benefits



### Features and benefits:

- System efficacy up to **130 lm/W**, Energy saving  $\geq 75\%$  compared with TL troffer
- **Actilume wireless available** – Additional energy saving and lighting flexibility in combination with motion sensing and daylight harvesting
- **UGR  $\leq 16$**  – the most comfortable light with office norm compliance
- Lifetime **50,000hours L70 Ta 25° C** – Reliable performance
- **Modular flexibility** – More sizes available on top of regular 2'x2' and 1'x4' via customization

# PowerBalance 3.0 Designation

RC600B LED40S 840 PSD (ACW) W60L60 GM/CAU



## 1 Lumen package

LED30S – 3100lm

LED40S – 4000lm

## 2 CCT

840 – 4000K

865 – 6500K

## 3 Driver

PSU – Fixed output

PSD - DALI dimming

## 4 Controls

– regular fixed output / DALI

ACW - Actilume wireless 4.1

## 5 Dimension

W60L60 – 597 X 597mm

W30L120 - 297 X 1197mm

W59L59 – 594 X594mm




## 6 GM regular & CAU

GM - regular GM type

CAU – AU/NZ type w. Flex & plug



# Technical Specifications

Type	RC600B LED30S PSU/PSD	RC600B LED30S PSD ACW	RC600B LED40S PSU/PSD/PSD ACW
Picture			
System output	3100lm	3100lm	4000lm
Wattage	24W	25W	32W
System efficacy	130lm/W	124lm/W	125lm/W
UGR	15	15	16
CCT	NW(4000K), CW(6500K)		
CRI	> =80		
SDCM	<= 4		
Operating temp	25°C		
Driver	Fixed output / DALI	DALI (w. Actilume wireless)	Fixed output / DALI / DALI (w.ACW)
IP rating	IP20		
Dimension (mm)	597x597 / 297x1197	597x597 / 297x1197	597x597 / 297x1197
Installation	Recessed (Surface mounted & Suspended as ETO options)		
Lifetime	50,000 hrs @L70 B50		
Approbation	CB / EMC / CE	CB / EMC / CE / ASNZ	CB / EMC / CE / ASNZ

# PowerBalance 2.0 vs PowerBalance 3.0

	<b>PowerBalance 2.0</b>	<b>PowerBalance 3.0</b>
Lumen output	2500lm,3100lm,3600lm,4000lm	3100lm, 4000lm
System efficacy	110 ~125 lm/W	<b>124 ~130 lm/W</b>
UGR	<=16	<=16
Lum Dimension (mm)	597x597x75, 297x1197x75;	597x597x70, 297x1197x70, <b>594x594x70;</b> <b>(Modular architecture for more sizes)</b>
Weight (KG)	6.5	<b>5.5</b>
Installation	Recessed	Recessed <b>(ETO option for S&amp;S )</b>
CCT	4000K, 6500K (ETO option for 3000K )	4000K, 6500K (ETO option for 3000K )
Driver	Fixed output / DALI / Actilume wired	Fixed output / DALI / <b>Actiume wireless</b>
Lifetime	50,000hours L70 Ta 25° C	50,000hours L70 Ta 25° C

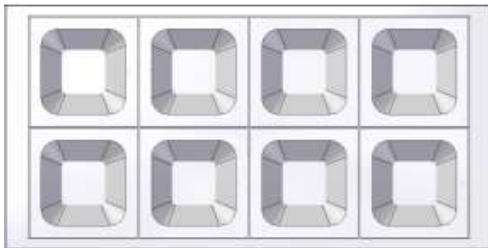


**PHILIPS**

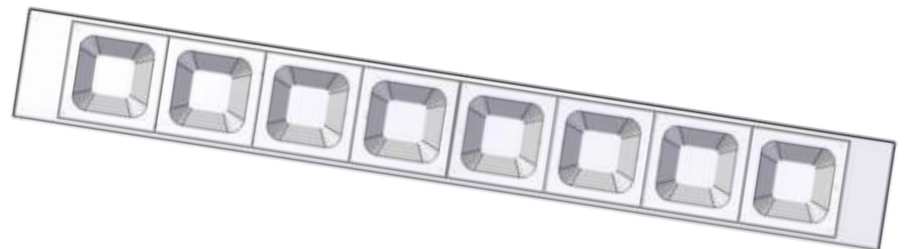
## Modular flexibility



**Standard offerings**



**RC600B LED20S...W30L60**



**RC600B LED20S...W15L120**

**Structural flexibility via ETO**

# Sales Tool - Application guide

Scenario #	Grid pattern	Lum Spacing	Lum description	Lum size (mm)	Lum lm	Lum qty	Lux average @ 0.8m work plane	LPD	Uniformity (Emin/ave)	UGR
#1	2' x 2'	2.4 x 2.4m	RC600B LED30S	597 x 597	3100	15	454	4.8	0.70	16
#2	2' x 2'	3.0 x 3.0m	RC600B LED30S	597 x 597	3100	12	315	3.7	0.81	16
#3	2' x 2'	2.4x 2.4m	RC600B LED40S	597 x 597	4000	15	550	6.4	0.70	17
#4	2' x 2'	3.0 x 3.0m	RC600B LED40S	597 x 597	4000	12	407	4.9	0.81	17
#5	2' x 2'	2.4 x 2.4m	RC600B LED30S	297 x 1197	3100	15	402	4.4	0.75	16
#6	2' x 2'	2.4 x 3.0m	RC600B LED30S	297 x 1197	3100	12	336	3.7	0.70	16
#7	2' x 2'	2.4 x 2.4m	RC600B LED40S	297 x 1197	4000	15	518	5.9	0.75	17
#8	2' x 2'	2.4 x 3.0m	RC600B LED40S	297 x 1197	4000	12	433	4.9	0.70	17

## Simulation configuration

- Reflectance: Ceiling -50%, wall - 30%, floor -10%; Maintenance Factor : 0.8; Work Plane Height: 0.8 m; Lum spacing refers to the distance from luminaire center to center of the next,
- Luminaire layout examples as below



#1



#6

With the lum spacing of **2.4x2.4m**,

- RC600B **LED40S** delivers **500+lx** on the work plane , **LED30S** delivers **400+lx**

With the lum spacing of **3.0x3.0m**,

- RC600B **LED40S** delivers **400+lx** on the work plane , **LED30S** delivers **300+lx w. extremely low LPD and good uniformity**