

PHILIPS

SmartBalance Elite

 Smart

 Scalable

 Sustainable

interact ready.



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



Beyond functional lighting


The SmartBalance surface mounted luminaire can be easily installed in the ceiling, making it an ideal solution for a wide range of office applications. This stylish luminaire, with its elegant, unobtrusive design, prevents ceiling clutter and fits seamlessly with your office interior. The surface mounted gear tray adapter, with its clean through-wiring, allows you to freely position the luminaire in relation to the cable feed.

The SmartBalance suspended luminaire has a soft, minimalist design that adds appeal to any office. And its high quality of light contributes to a well lit and bright ceiling.

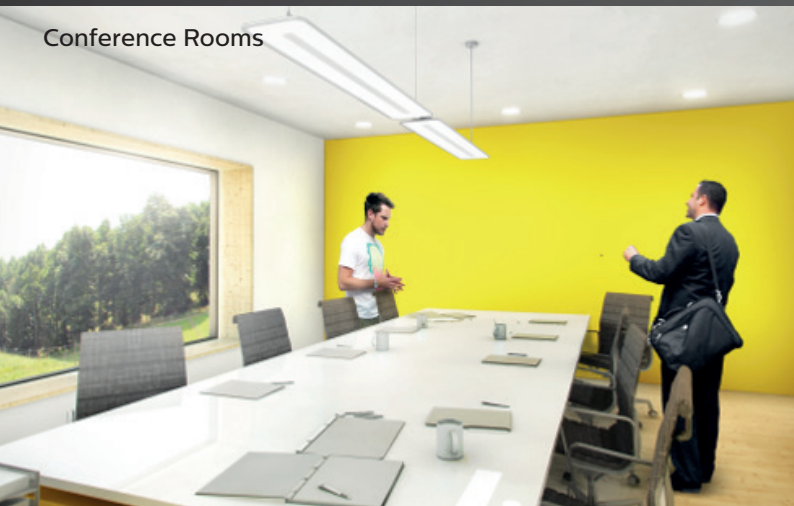
 • 50,000hrs at L85

 • Dali

 • CRI 90 / R9 >50

 • Compact, lightweight and unobtrusive

Conference Rooms



Office Space



Meet SmartBalance Elite



Long lasting and reliable LED technology

SmartBalance luminaires are based on sustainable, long-lasting LED technology that offers benefits beyond simple illumination.



A flexible office toolkit with modern design

Combining high quality of light and attractive design, SmartBalance offers flexible lighting throughout your office building. Available in different archetypes (suspended, surface mounted) SmartBalance delivers a versatile lighting solution suitable for a wide range of office applications.



High-quality office compliant lighting

SmartBalance luminaires are available with inner masking that 'traps' the light to create a subtle glow, providing a smooth, soft transition. This lowers the brightness perception for a more comfortable working environment. Thanks to its advanced optic technology, SmartBalance delivers high-quality, office-compliant lighting for different office applications. This low-glare LED luminaire ensures excellent uniformity on the ceiling.



Easy to install and maintain

SmartBalance is designed to make installation as simple as possible. Surface mounted and suspended luminaires consist of two parts, a gear tray and a housing that can be easily clicked together. As standard, we offer installation features to make your life easier. These include a service cord, connectors, freedom of mains input for surface mounted luminaires, and a clutch device for suspended luminaires.



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.

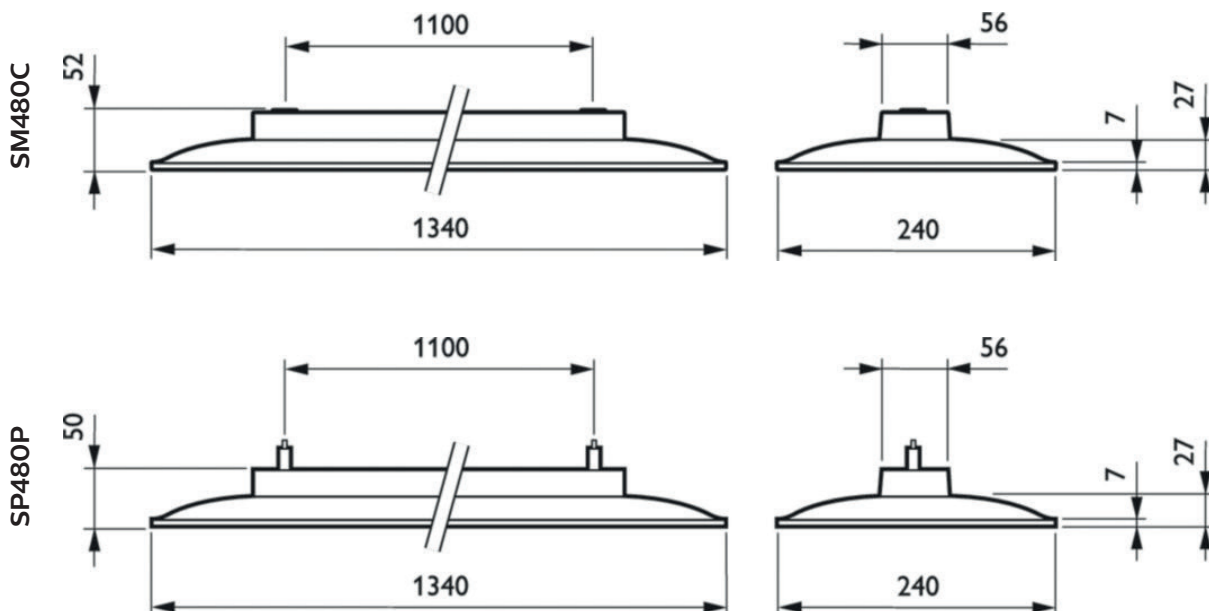


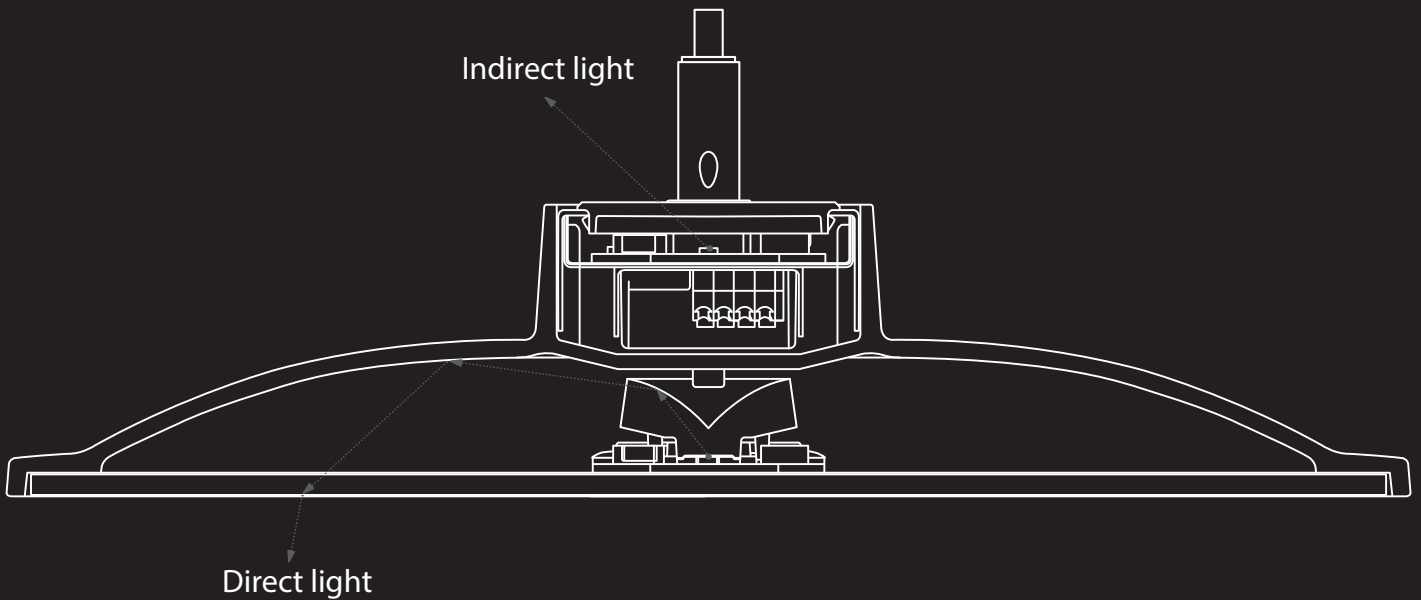
Suspended



Surface mounted

Dimensions





Direct and indirect lighting

The suspended version is available with direct and a combination of direct and indirect lighting. When using SmartBalance with both direct and indirect lighting, direct lighting creates the right light levels to ensure visual comfort, while indirect lighting creates a more spacious room with a brighter ceiling.

Smart coupling

If you want to limit the number of power cables feeding the luminaires, you can use a coupling piece to make a connected line of up to three luminaires.

Advanced optics

SmartBalance uses advanced Philips patented Micro Lens Optics.

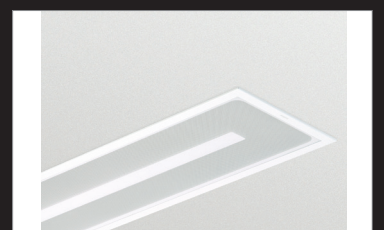
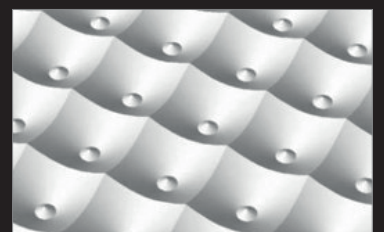
- Designed to limit light from angles between 65° and 90°
- Identical luminance cut-off in all directions due to conical shape
- Inverted cone results in less light scattering
- Attractive surface and optimal balance between depth and visual appearance of structure delivers high-end look and feel

Suspension sets

SMT1: connection with clips to an exposed T-bar ceiling with two steel-wire suspensions

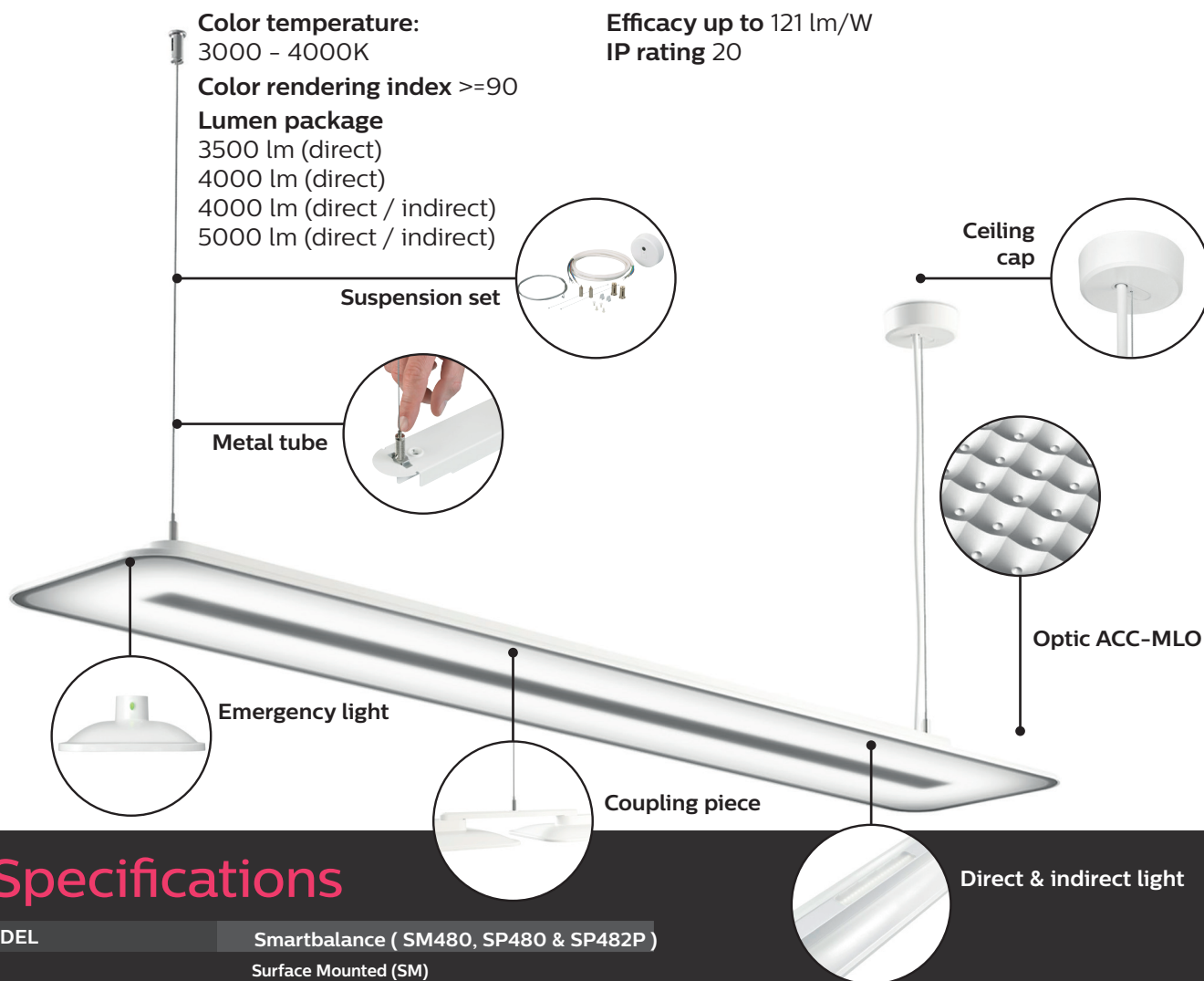
SM1: suspension set twin metal tubes

SM2: suspension set with ceiling cap and metal tube



Surface-mounted

Specifications SmartBalance Elite suspended



Specifications

MODEL	Smartbalance (SM480, SP480 & SP482P)	
	Surface Mounted (SM)	

Type	LED35	LED40
Power (PSD)	28W	33W
System Lumens	3500lm	4000lm

Suspended (SP)

Type	Direct			Direct/Indirect		
	LED35	LED40	LED50	LED40	LED50	
Power (PSD)	28W	33W	40W	33W	40W	
System Lumens	3500lm	4000lm	5000lm	4000lm	5000lm	
System Efficacy	125lm/W	121lm/W	128lm/W	121lm/W	128lm/W	
Size (L)	1340mm					

GENERAL	
Colour Temperature	3000K & 4000K
Mounting	Suspended option supplied with 1.5M drop wires and ceiling connection box, Coupling device (max 3 lums)
Input Voltage	220-240V
Electrical Class	I
Driver Type	PSD-Dali
Driver Lifetime (5% failure-rate)	50,000hrs
Electrical Connection	1.5m 5core pre-wired flex for Suspended option only, PIP (Push-In Connection) for Surface Mount
Lumen Maintenance	50,000 / L85
SDCM	3
CRI	CRI90(R9 is equal to or greater than 50
IP Rating	IP20
UGR Rating	UGR19
Material	Housing: Polycarbonate & sheet metal, Cover/optic PMMA
Optic type	MLO (Micro Lens Optic)
Finish	White, Silver
Warranty	5 Years

Designation of Coding – Surface & Suspended

Example of Code:

SP482PC LED40S 940 PSD ACC-MLO
SWZ SM2 WH

Model	Flux (LED)	Colour Temp	Driver	Optic	Suspension Set	Housing Colour
Direct (SM480C) Surface (SP482P) Suspended	3500 (35S) 4000 (40S) 5000 (50S)	3000 (930) 4000 (940)	PSD (Dali)	ACC-MLO (Acrylic Micro Lens Optic)	SM2 (suspension set with 1.5M drop wires and ceiling connection box) N/A for Surface Mount	WH (White) SI (Silver)
Direct/Indirect (SP482P) Suspended	4000 (40S) 5000 (50S)					

Flicker free

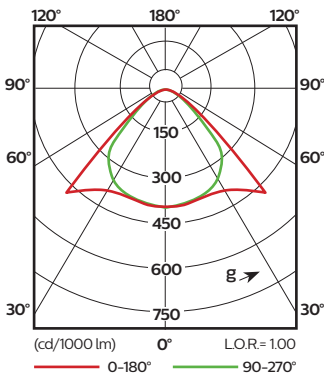
Philips Office Elite Products utilise industry best LED drivers that deliver flicker¹ free performance and no stroboscopic effect².

¹ 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.

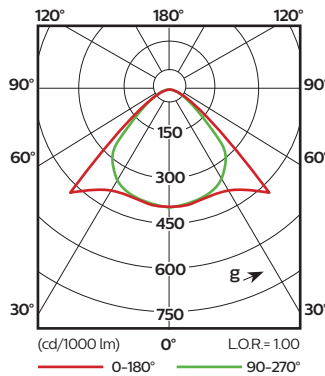
² In the absence of compulsory standards Philips Lighting opted to use the accepted test methods according to IEC TR 61547-1 [1] (Flicker) and IEC TR 61547-1 [5] (Stroboscopic Effect) with the following limits: PstLM ≤ 0.5 and SVM ≤ 1.

Polar intensity

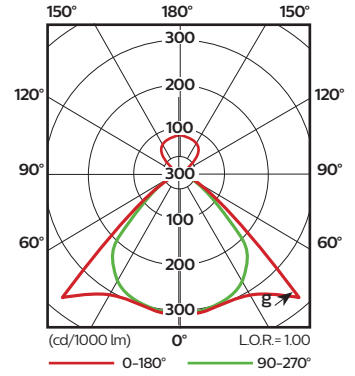
SM480 LED35 & 40S



SP480 LED35 & 40S



SP482P LED40 & 50S





Code

Surface Mounted

12NC	Description	Specification
910505100279	SM480C LED35S/930 PSD ACC-MLO	SmartBalance, Surface Mounted, 3500lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic,
910771126315	SM480C LED35S/940 PSD ACC-MLO WH	SmartBalance, Surface Mounted, 3500lm, CRI90, 4000K, DALI, Acrylic Micro Lens Optic, White,
910505100432	SM480C LED40S/930 PSD ACC-MLO	SmartBalance, Surface Mounted, 4000lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic,
910505100433	SM480C LED40S/940 PSD ACC-MLO	SmartBalance, Surface Mounted, 4000lm, CRI90, 4000K, DALI, Acrylic Micro Lens Optic,

Suspended

12NC	Description	Specification
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2	SmartBalance, Suspended, Direct, 3500lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic, Suspension set simple, stand.
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1	SmartBalance, Suspended, Direct, 3500lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic, Suspension set 1-wire
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	SmartBalance, Suspended, Direct/Indirect, 4000lm, CRI90, 4000K, DALI, Acrylic Micro Lens Optic, White, Suspension set simple, stand.
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	SmartBalance, Suspended, Direct/Indirect, 4000lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic, Suspension set simple, stand.
910771126323	SP482P LED50S/940 PSD ACC-MLO SM2	SmartBalance, Suspended, Direct/Indirect, 5000lm, CRI90, 4000K, DALI, Acrylic Micro Lens Optic, Suspension set simple, stand.
910771126324	SP482P LED50S/930 PSD ACC-MLO SM2 WH	SmartBalance, Suspended, Direct/Indirect, 5000lm, CRI90, 3000K, DALI, Acrylic Micro Lens Optic, White, Suspension set simple, stand.



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