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/Interact Ready, SpaceWise**
- **CRI 90 / R9 >50**
- **Compact, lightweight and unobtrusive**

Conference Rooms
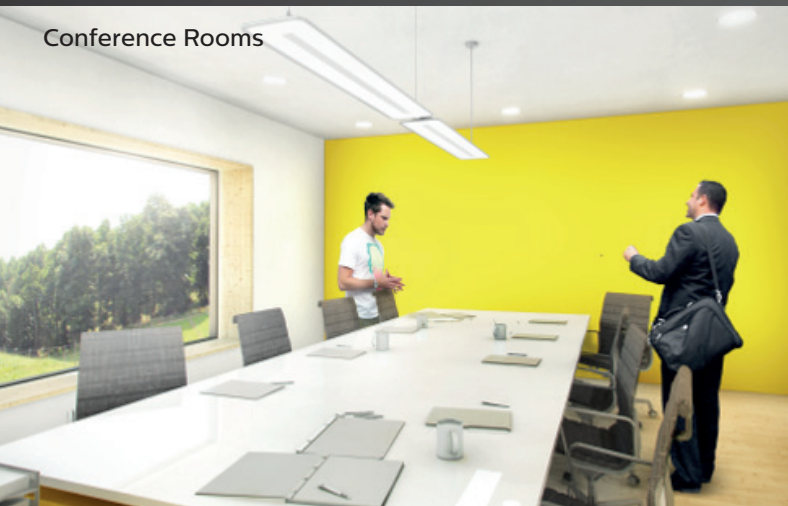
Office Space

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.

Scalable and ready to be connected to controls and lighting systems

The future of lighting is connected. SmartBalance luminaires can easily be connected to various control systems or even seamlessly integrated into your building's IT network.

SpaceWise

With Philips SpaceWise, you can enjoy the very real benefits of controls - energy savings, visual comfort, personal control - without having to create a wired infrastructure.

- Plug-and-play, stand-alone system – no control network, computer or light meter needed
- Additional energy savings by providing the right amount of light where it's needed.
- Groups of luminaires can be personally controlled with wireless switches from different suppliers
- Flexible adaptation of settings for typical municipal and private office configurations

Power over Ethernet

Power over Ethernet-based connected lighting is a scalable and adaptable infrastructure that offers integrated connectivity. The system enables you to gather data on building usage for facility management and asset management optimization. With smart luminaire sensors, you can track humidity, temperature, presence and daylight.

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.
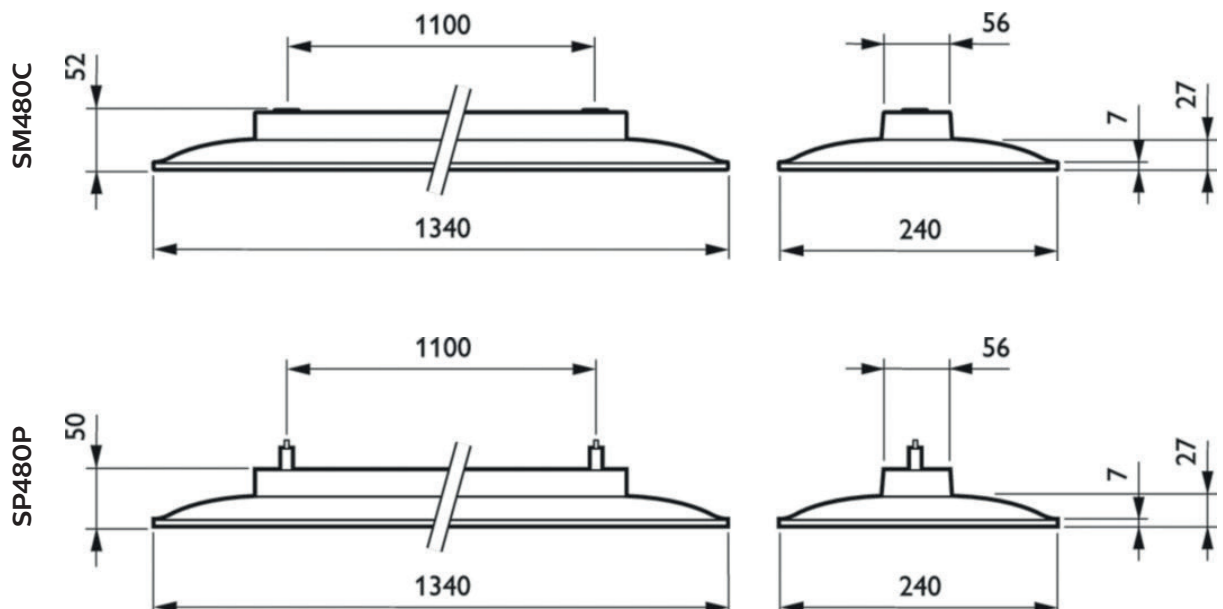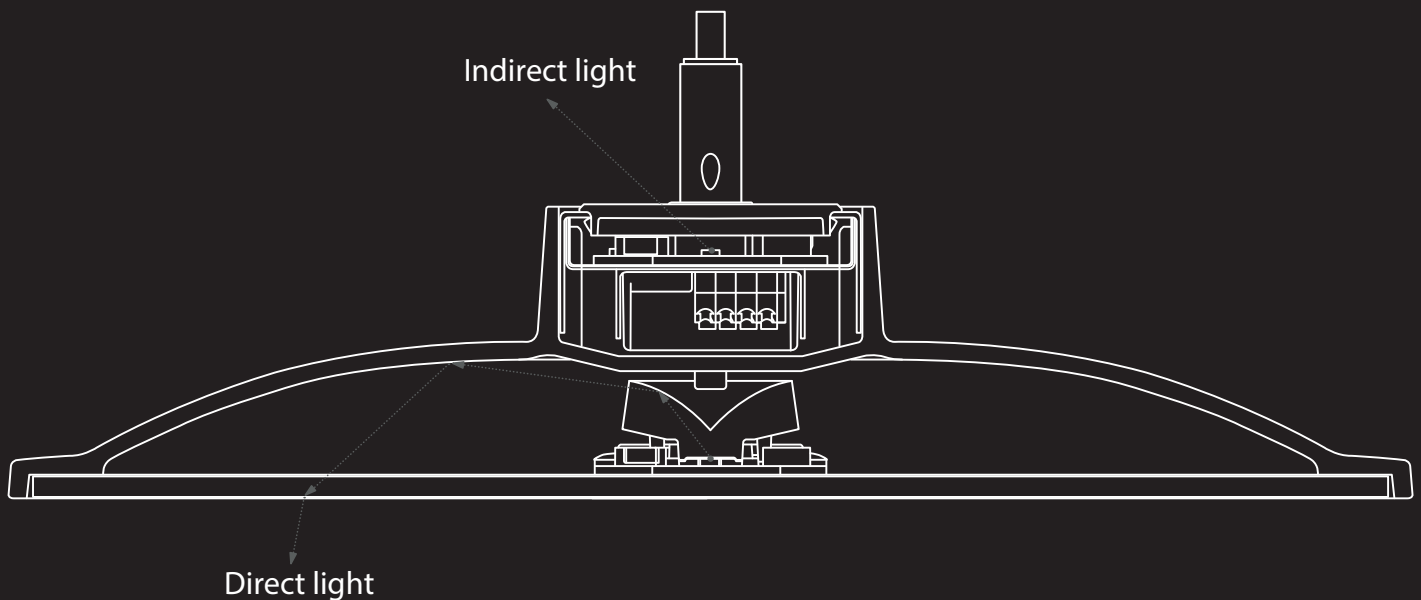
Suspended

Surface mounted

Dimensions

SM480C

1100

52

1340

56

27

7

240

SP480P

1100

50

1340

56

27

7

240

Indirect light

Direct light

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
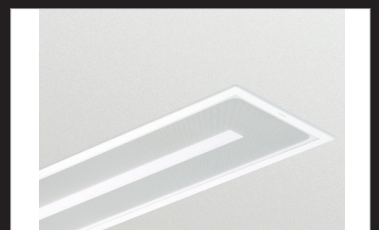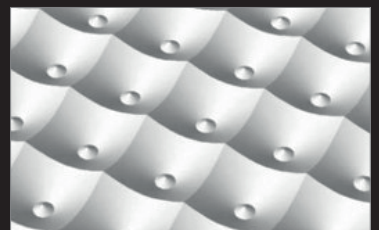

Suspension sets

SMT1: connection with clips to an exposed T-bar ceiling with two steel-wire suspensions
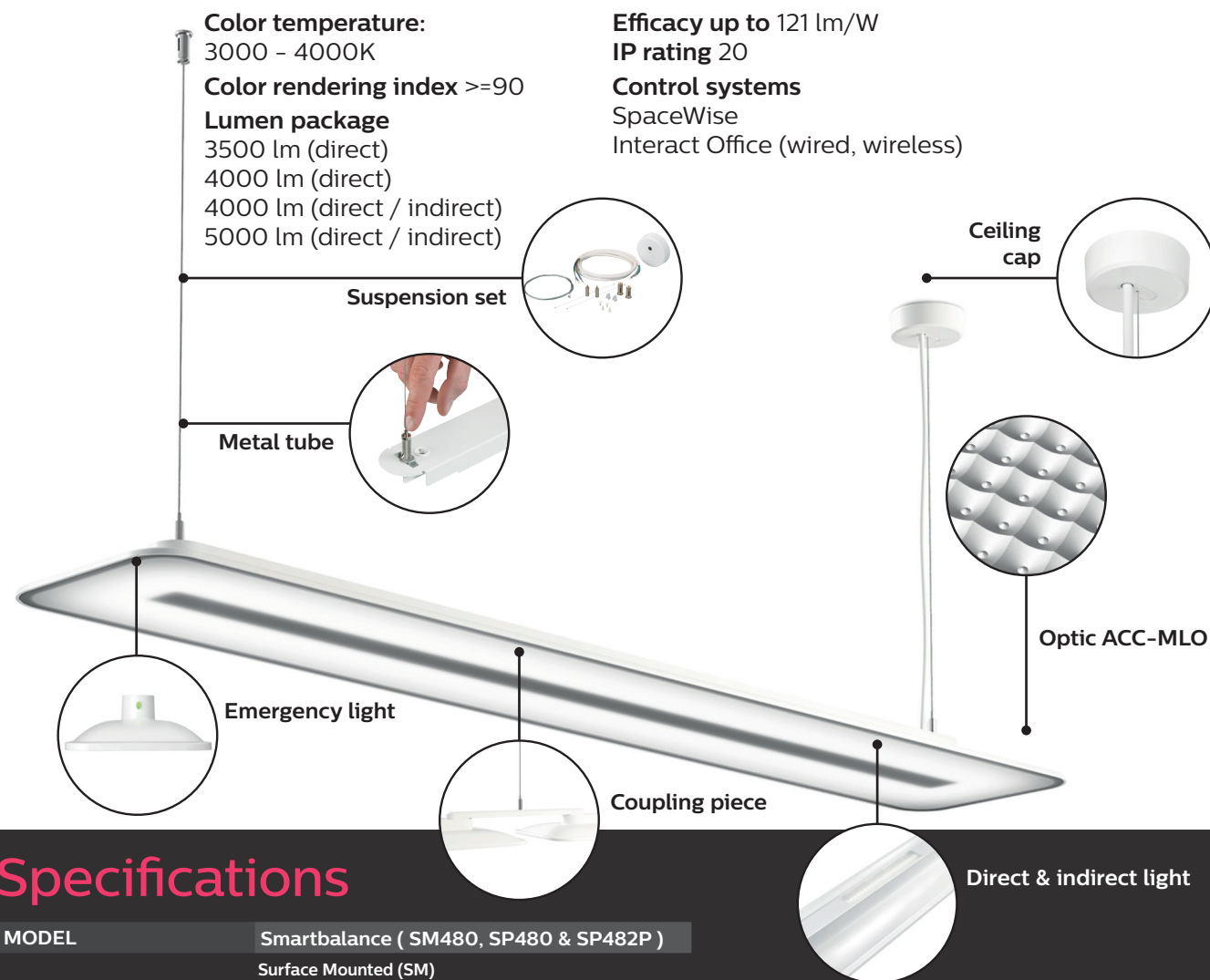SM1: suspension set twin metal tubes
SM2: suspension set with ceiling cap and metal tube

Surface-mounted

Specifications SmartBalance Elite suspended

Color temperature:
3000 – 4000K
Color rendering index >=90
Lumen package
3500 lm (direct)
4000 lm (direct)
4000 lm (direct / indirect)
5000 lm (direct / indirect)

Efficacy up to 121 lm/W
IP rating 20
Control systems
SpaceWise
Interact Office (wired, wireless)

Suspension set

Ceiling cap

Metal tube

Optic ACC-MLO

Emergency light

Coupling piece

Direct & indirect light

Specifications

MODEL	Smartbalance (SM480, SP480 & SP482P)	
	Surface Mounted (SM)	
Type	LED35	LED40
Power (PSD)	28W	33W
System Lumens	3500lm	4000lm

	Suspended (SP)				
	Direct			**Direct/Indirect**	
Type	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 /System Ready
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 Maintanance	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	SP482P	40	940	PSD	ACC-MLO	SWZU	SM2	WH
	Model	**Flux (LED)**	**Colour Temp**	**Driver**	**Optic**	**Embedded Controls**	**Suspension Set**	**Housing Colour**
	Direct (SM480C) Surface (SP482P) Suspeneded	3500 (35S) 4000 (40S) 5000 (50S)	3000 (930) 4000 (940)	PSD (Dali) SRD	ACC-MLO (Acrylic Micro Lens Optic)	SWZU (Spacewise) IAO (Interact)	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 flicker[1] free performance and no stroboscopic effect[2].
[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 $\leq$ 0.5 and SVM $\leq$ 1.*

Polar intensity
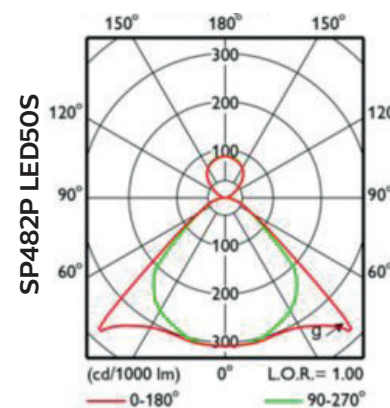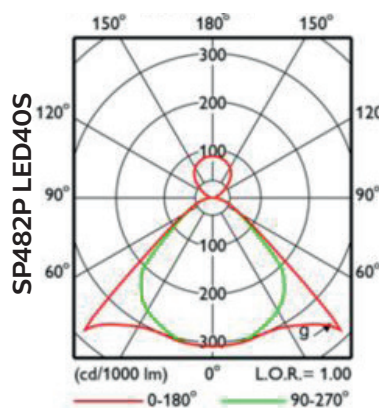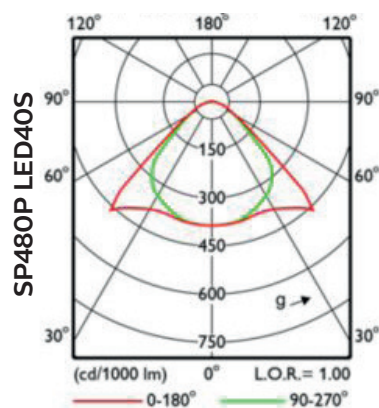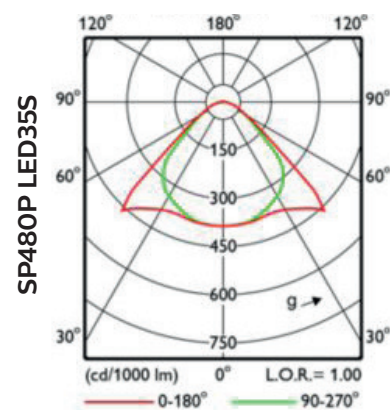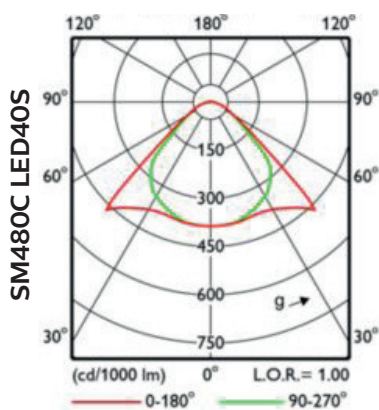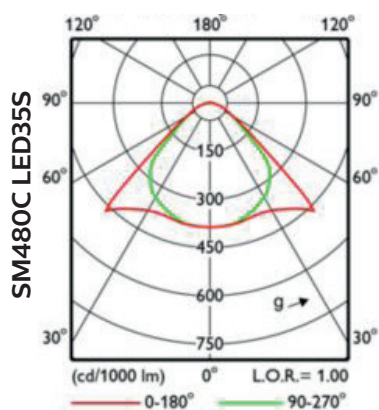
Code

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,
910505100464	SM480C LED40S/930 PSD ACC-MLO SWZ	SmartBalance, Surface Mounted, 4000lm, CRI90, 3000K, DALI, SpaceWise, Acrylic Micro Lens Optic,
910505100465	SM480C LED40S/940 PSD ACC-MLO SWZ	SmartBalance, Surface Mounted, 4000lm, CRI90, 4000K, DALI, SpaceWise, 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.
910505100466	SP480P LED40S/940 PSD ACC-MLO SWZ SM2	SmartBalance, Suspended, Direct, 4000lm, CRI90, 4000K, DALI, SpaceWise, Acrylic Micro Lens Optic, Suspension set simple, stand.
910505100467	SP480P LED50S/940 PSD ACC-MLO SWZ SM2	SmartBalance, Suspended, Direct, 5000lm, CRI90, 4000K, DALI, SpaceWise, Acrylic Micro Lens Optic, Suspension set simple, stand.