



# SmartBalance – combining performance with smart design

## SmartBalance, suspended

Although in many cases the functional lighting performance is key, customers are also keen to apply luminaires that are attractive and/or unobtrusive. Especially in applications where luminaires need to be surface-mounted or suspended, it can be difficult to satisfy both these requirements. SmartBalance is clearly the next step in surface-mounted and suspended luminaires for the specification market. It not only offers increased energy efficiency, but is also visually appealing without being intrusive. And its design helps to minimize clutter on the ceiling and meets all relevant office norms. SmartBalance is also available in recessed and free floor-standing versions.

### Benefits

- Operational cost savings – more energy-efficient than fluorescent
- Attractive, unobtrusive design – limits clutter on ceiling
- Office-norm-compliant

### Features

- Energy efficacy  $> 90$  lm/W, allowing energy cost savings of around 30%
- Compact, lightweight and unobtrusive
- SmartBalance meets UGR 19 and two levels of L65, namely 1500/3000 cd/m<sup>2</sup>
- SmartBalance offers a number of options to meet the needs of the specification business, such as (wireless) DALI-controllable, emergency lighting, coupling parts

## SmartBalance, suspended

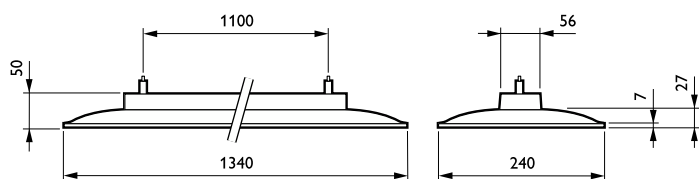
### Application

- Indoor general lighting applications requiring surface or suspended mounting

### Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

### Dimensional drawing



### Product details

IPDP\_SP480Pi\_0001-Detail photo



IPDP\_SP480Pi\_0005-Detail photo

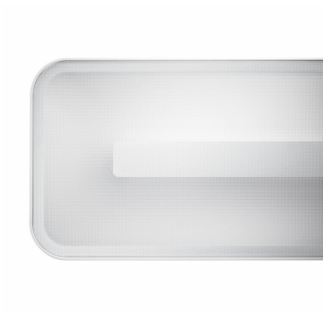


IPDP\_SP480Pi\_0007-Detail photo



SmartBalance, suspended

Product details



IPDP\_SP480Pi\_0011-Detail photo



IPDP\_SP480Pi\_0013-Detail photo



IPDP\_SP480Pi\_0015-Detail photo



## SmartBalance, suspended

### General Information

Cap-Base	-
Driver included	Yes
Gear	-
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

### Light Technical

Beam angle of light source	- degree(s)
Color rendering index (CRI)	>90
Optic type	-
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz

### Temperature

Ambient temperature range	+10 to +40 °C
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### Controls and Dimming

Dimmable	Yes
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### Mechanical and Housing

Housing Color	White
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### Approval and Application

CE mark	Yes
Protection class IEC	Safety class I
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Mech. impact protection code	IK02
Ingress protection code	IP20

### Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-10%

### Application Conditions

Maximum dim level	1%
Suitable for random switching	No

### General Information

Order Code	Full Product Name	Lamp family code	Product family code
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2	LED40S	SP480P
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1	LED40S	SP480P
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2	LED40S	SP482P
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-	SP482P
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-	SP482P
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2	-	SP482P

## Light Technical (1/2)

SmartBalance, suspended

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optical cover/lens type	Luminous Efficacy (rated) (Nom)	Luminous Flux
910505100282	SP480P	3000 K	Acrylate	118 lm/W	3,500 lumen
	LED35S/930		micro-lens		
	PSD ACC-MLO		optic clear		
	SM2				
910505100283	SP480P	3000 K	Acrylate	118 lm/W	3,500 lumen
	LED35S/930		micro-lens		
	PSD ACC-MLO		optic clear		
	SM1				
910505100284	SP482P	4000 K	Acrylate	121 lm/W	4,000 lumen
	LED40S/940		micro-lens		
	PSD ACC-MLO		optic clear		
	SM2				

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optical cover/lens type	Luminous Efficacy (rated) (Nom)	Luminous Flux
910505100442	SP482P	3000 K	-	116 lm/W	4,000 lumen
	LED40S/930				
	PSD ACC-MLO				
	SM2				
910505100507	SP482P	4000 K	-	127 lm/W	5,000 lumen
	LED50S/940				
	PSD ACC-MLO				
	SM2				
910505100508	SP482P	3000 K	-	119 lm/W	5,000 lumen
	LED50S/930				
	PSD ACC-MLO				
	SM2				

Light Technical (2/2)

Order Code	Full Product Name	Number of light sources
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2	1
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1	1
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2	1

Order Code	Full Product Name	Number of light sources
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2	-

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2	29.5 W
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1	29.5 W
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2	33 W

Order Code	Full Product Name	Power Consumption
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	34.5 W
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	39.5 W
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2	42 W

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2	0.01 %
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1	0.01 %
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2	0.01 %

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2	-

