



SmartBalance – combining performance with smart design

SmartBalance, surface mounted

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

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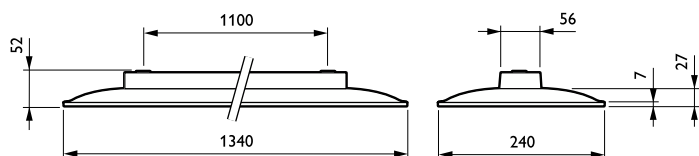
Application

- 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_SM480Ci_0001-Detail
photo



IPDP_SM480Ci_0003-Detail
photo



IPDP_SM480Ci_0005-Detail
photo



IPDP_SM480Ci_0007-Detail
photo

SmartBalance, surface mounted

Product details



IPDP_SM480Ci_0011-Detail photo



IPDP_SM480Ci_0013-Detail photo



IPDP_SM480Ci_0015-Detail photo



IPDP_SM480Ci_0017-Detail photo



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General Information

Cap-Base	-
Driver included	Yes
Gear	-
Light source replaceable	No
Number of gear units	1 unit
Product family code	SM480C
Service tag	Yes

Light Technical

Beam angle of light source	- degree(s)
Optic type	-

Operating and Electrical

Input Voltage	220-240 V
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Temperature

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

Dimmable	Yes
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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
910505100279	SM480C LED35S/930 PSD ACC-MLO	LED35S
910505100432	SM480C LED40S/930 PSD ACC-MLO	-
910505100433	SM480C LED40S/940 PSD ACC-MLO	-
910505100499	SM480C LED35S/940 PSD ACC-MLO	-

Light Technical

Order Code	Full Product Name	Optical cover/lens type	Number of light sources
910505100279	SM480C LED35S/930 PSD ACC-MLO	Acrylate micro-lens optic clear	1
910505100432	SM480C LED40S/930 PSD ACC-MLO	-	-

Order Code	Full Product Name	Optical cover/lens type	Number of light sources
910505100433	SM480C LED40S/940 PSD ACC-MLO	-	-
910505100499	SM480C LED35S/940 PSD ACC-MLO	-	-

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Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100279	SM480C LED35S/930 PSD ACC-MLO	0.01 %
910505100432	SM480C LED40S/930 PSD ACC-MLO	-

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100433	SM480C LED40S/940 PSD ACC-MLO	-
910505100499	SM480C LED35S/940 PSD ACC-MLO	-

