



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

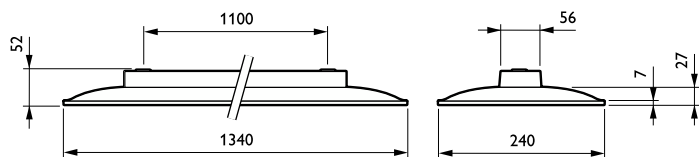
- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee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

Versions



IPDP_SM480Ci_0001

Dimensional drawing



Product details



IPDP_SM480Ci_0001-Detail
photo



IPDP_SM480Ci_0003-Detail
photo

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Product details



IPDP_SM480Ci_0005-Detail photo



IPDP_SM480Ci_0007-Detail photo



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 |
| Temperature | |
| Ambient temperature range | +10 to +40 °C |
| Controls and Dimming | |
| Dimmable | Yes |
| 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 |
|------------|-------------------------------|------------------|
| 96485600 | SM480C LED35S/930 PSD ACC-MLO | LED35S |
| 96687400 | SM480C LED35S/940 PSD ACC-MLO | - |

Light Technical

| Order Code | Full Product Name | Optical cover/lens type | Number of light sources |
|------------|-------------------------------|---------------------------------|-------------------------|
| 96485600 | SM480C LED35S/930 PSD ACC-MLO | Acrylate micro-lens optic clear | 1 |

| Order Code | Full Product Name | Optical cover/lens type | Number of light sources |
|------------|-------------------------------|-------------------------|-------------------------|
| 96687400 | SM480C LED35S/940 PSD ACC-MLO | - | - |

Over Time Performance (IEC Compliant)

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| Order Code | Full Product Name | Driver failure rate at 5000 h |
|------------|-------------------------------|-------------------------------|
| 96485600 | SM480C LED35S/930 PSD ACC-MLO | 0.01 % |

| Order Code | Full Product Name | Driver failure rate at 5000 h |
|------------|-------------------------------|-------------------------------|
| 96687400 | SM480C LED35S/940 PSD ACC-MLO | - |

