SmartForm – top-class lighting in a fresh, appealing design

SmartForm LED BPS460

We all feel and perform better in a pleasant, comfortable working environment. Designed for use in offices, shops and schools, the SmartForm family of suspended luminaires combines best-in-class lighting with a clean, distinctive design.These ultra-flat luminaires are available with a choice of MASTER TL5, TL5 ECO or LED light sources in rectangular and square versions with direct/indirect lighting combinations. They can also be used to form light-lines and structures.With its wide choice of very efficient and comfortable micro-optics and covers, SmartForm suspended provides the ideal solution for every situation. Lighting controls can be added for further energy saving.

Benefits
• Top-class lighting performance meets all project requirements
• Fresh-looking design
• Energy-efficient

Features
• Very slim housing – only 47 mm deep
• State-of-the-art LED lighting
• High-efficiency optical covers
• Possibility to add lighting controls

Application
• Offices
• Shops
• Schools

Specifications

SmartForm LED BPS460

Type	BPS460
Light source	Non-replaceable LED module
Power	LED24: 25 W
	LED48: 47 W
Beam angle	80 - 100º (depending on configuration)
Luminous flux	1650 - 4300 lm (depending on configuration)
Correlated Color Temperature	4000 K
Color Rendering Index	≥ 80
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 ºC
Operating temperature range	+10 to +40 ºC
Driver	Built-in

Mains voltage	230 or 240 V / 50-60 Hz
Material	Housing: zinc-coated steel
Color	White RAL 9016 based
	Optional white RAL 9010 or silver grey RAL 9006 based
Optical cover	1, 2-lamp version:
	- OLC micro-lens optic in polycarbonate cover (MLO-PC)
	- Linear lens array optic in polycarbonate cover (LIN-PC)
	3-lamp version:
	- OLC micro-lens optic made of acrylate (AC-MLO)
Connection	Push-in connection with pull relief (PIP)
	Cable, length 200 cm, with plug CEE7 (CCE)
Installation	Individual; suspended mounting with a set of two double steel-wire suspensions (SMS) or with a set of two single steel-wire suspensions (SMT1/SMT2), both with power cord and ceiling caps
	Through-wiring possible
	Installation without removing LED module and optic/cover
Remarks	Protection foil to protect the optic during installation

Versions

SmartForm BPS460 suspended luminaire with OLC micro-lens optic in polycarbonate cover (MLO-PC)

SmartForm BPS460 suspended luminaire with linear lens array optic in polycarbonate cover (LIN-PC)

SmartForm BPS460 suspended luminaire with OLC micro-lens optic in polycarbonate cover (MLO-PC)

SmartForm BPS460 suspended luminaire with polycarbonate micro-lens optic (PC-MLO/AC-MLO)

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Product details

Polycarbonate micro-lens optic

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Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dim level	1%
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP40

Controls and Dimming

Dimmable	Yes

Operating and Electrical

Input Voltage	220 to 240 V

General Information

Beam angle of light source	- °
CE mark	CE mark
Parts color	-
Protection class IEC	Safety class I (I)
Driver included	Yes
Emergency lighting	No
ENEC mark	ENEC mark
Flammability mark	F
Embedded control	No
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
Product Family Code	BPS460
Standard RAL color	Traffic white
Top reflector	No
Internal wiring	Standard

Initial Performance (IEC Compliant)

Initial chromaticy	(0.38, 0.38) SDCM <3
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White

General Information

Order Code	Full Product Name	Optical cover/lens type	Glow-wire test	Lamp family code	UL mark
91552100	BPS460 LED24/840 PSD W16L124 MLO-PC SMT1	MLO-PC	850/5	LED24	-
91558300	BPS460 LED24/840 PSD W16L124 MLO-PC SMT2	MLO-PC	850/5	LED24	-
91553800	BPS460 LED24/840 PSD W16L124 LIN-PC SMT1	LIN-PC	850/5	LED24	-
91559000	BPS460 LED24/840 PSD W16L124 LIN-PC SMT2	LIN-PC	850/5	LED24	-
91554500	BPS460 LED24/840 PSD W22L124 MLO-PC SMT1	MLO-PC	850/5	LED24	-
91560600	BPS460 LED24/840 PSD W22L124 MLO-PC SMT2	MLO-PC	850/5	LED24	-
91562000	BPS460 LED48/840 PSD W22L124 MLO-PC SMT2	MLO-PC	850/5	LED48	-
91556900	BPS460 LED48/840 PSD W33L124 AC-MLO SMT1	AC-MLO	650/5	LED48	-
91563700	BPS460 LED48/840 PSD W33L124 AC-MLO SMS	AC-MLO	650/5	LED48	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power	Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
91552100	BPS460 LED24/840 PSD W16L124 MLO-PC SMT1	81 lm/W	1750 lm	21.5 W	91553800	BPS460 LED24/840 PSD W16L124 LIN-PC SMT1	102 lm/W	2200 lm	21.5 W
91558300	BPS460 LED24/840 PSD W16L124 MLO-PC SMT2	81 lm/W	1750 lm	21.5 W	91559000	BPS460 LED24/840 PSD W16L124 LIN-PC SMT2	102 lm/W	2200 lm	21.5 W

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Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
91554500	BPS460 LED24/840 PSD W22L124 MLO-PC SMT1	93 lm/W	2000 lm	21.5 W
91560600	BPS460 LED24/840 PSD W22L124 MLO-PC SMT2	93 lm/W	2000 lm	21.5 W
91562000	BPS460 LED48/840 PSD W22L124 MLO-PC SMT2	93 lm/W	3500 lm	37.5 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
91556900	BPS460 LED48/840 PSD W33L124 AC-MLO SMT1	97 lm/W	3700 lm	38 W
91563700	BPS460 LED48/840 PSD W33L124 AC-MLO SMS	97 lm/W	3700 lm	38 W

Mechanical and Housing

Order Code	Full Product Name	Geometry
91552100	BPS460 LED24/840 PSD W16L124 MLO-PC SMT1	W16L124
91558300	BPS460 LED24/840 PSD W16L124 MLO-PC SMT2	W16L124
91553800	BPS460 LED24/840 PSD W16L124 LIN-PC SMT1	W16L124
91559000	BPS460 LED24/840 PSD W16L124 LIN-PC SMT2	W16L124
91554500	BPS460 LED24/840 PSD W22L124 MLO-PC SMT1	W22L124

Order Code	Full Product Name	Geometry
91560600	BPS460 LED24/840 PSD W22L124 MLO-PC SMT2	W22L124
91562000	BPS460 LED48/840 PSD W22L124 MLO-PC SMT2	W22L124
91556900	BPS460 LED48/840 PSD W33L124 AC-MLO SMT1	W33L124
91563700	BPS460 LED48/840 PSD W33L124 AC-MLO SMS	W33L124

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