PHILIPS Lighting



EcoStyle

ST440S LED17S/840 PSU MB BK

EcoStyle track mounting, 840 neutral white, Power supply unit (On/Off), Medium beam, Safety class II, Black

Retailers are looking for an affordable LED accent-lighting solution with a reasonable payback compared to conventional technologies. Now, thanks to EcoStyle, they need look no further. With a LED light source and dedicated reflector system, EcoStyle delivers powerful, good-quality accent lighting, enabling retailers to display their merchandise in the best possible light. For food and fashion retailers, EcoStyle is available with special light recipes to further enhance the store ambiance and to show the produce and goods on offer in the very best light: Fresh Food Champagne is the perfect LED solution for displaying fruit, vegetables, cheese, bread and pastries in a warm lighting ambiance; Fresh Food Meat creates the best light setting for meat enhancement in a cool natural ambiance; CrispWhite is the clear choice for fashion retailers to make colors appear rich and intense while keeping whites bright. The track-mounted EcoStyle is also available in a choice of black or white finish. And the combination of efficient LED technology and an innovative heatsink ensures that this is a reliable, lasting solution.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example

	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	ST440T [EcoStyle track mounting]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark

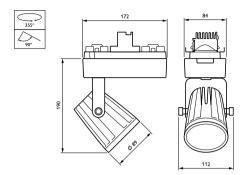
EcoStyle

Glow-wire testTemperature 650 °C, duration 5 sEU RoHS compliantYesLight Technical		
Light Technical Luminous Flux 1,800 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 125 lm/W Color rendering index (CRI) 80 Beam angle of light source 120 degree(s) Light source color 840 neutral white Optic type Medium beam Luminaire light beam spread 33° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 18 A Inrush time 0.25 ms Power Consumption 14.4 W Power Consumption 14.4 W Power factor (Fraction) 0.95 Connection - Cable - Number of products on MCB of 16 A type 34 B - Controls and Dimming O to +35 °C Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing </th <th>Glow-wire test</th> <th>Temperature 650 °C, duration 5 s</th>	Glow-wire test	Temperature 650 °C, duration 5 s
Luminous Flux1.800 lmCorrelated Color Temperature (Nom)4000 KLuminous Efficacy (rated) (Nom)125 lm/WColor rendering index (CRI)80Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread33°Unified glare rating CENNot applicableOperating and Electrical220 to 240 VInrush current18 AInrush current18 APower Consumption14.4 WPower Consumption0.95Connection-Cable-Number of products on MCB of 16 A type34B-Controls and Dimming0 to +35 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoPriver/power unit/transformerPolycarbonateMechanical and HousingPolycarbonate aluminum coatedOptical cover materialPolycarbonateOptical cover materialPolycarbonate	EU RoHS compliant	Yes
Luminous Flux1.800 lmCorrelated Color Temperature (Nom)4000 KLuminous Efficacy (rated) (Nom)125 lm/WColor rendering index (CRI)80Beam angle of light source120 degree(s)Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread33°Unified glare rating CENNot applicableOperating and Electrical220 to 240 VInrush current18 AInrush current18 APower Consumption14.4 WPower Consumption0.95Connection-Cable-Number of products on MCB of 16 A type34B-Controls and Dimming0 to +35 °CDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoPriver/power unit/transformerPolycarbonateMechanical and HousingPolycarbonate aluminum coatedOptical cover materialPolycarbonateOptical cover materialPolycarbonate		
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Light source color840 neutral whiteOptic typeMedium beamLuminaire light beam spread33°Unified glare rating CENNot applicableOperating and ElectricalNot applicableInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current18 AInrush time0.25 msPower Consumption14.4 WPower Factor (Fraction)0.95Connection-Cable-Temperature34Ambient temperature range0 to +35 °CControls and DimmingNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonate aluminum coatedPolycarbonate aluminum coatedPolycarbonate aluminum coatedOptical cover materialPolymethyl methacrylate	Color rendering index (CRI)	80
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Input Voltage220 to 240 VLine Frequency50 to 60 HzInrush current18 AInrush time0.25 msPower Consumption14.4 WPower Factor (Fraction)0.95Connection-Cable-Number of products on MCB of 16 A type34B-Temperature0 to +35 °CAmbient temperature range0 to +35 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and HousingPolycarbonateHousing MaterialPolycarbonate aluminum coatedOptic materialPolycarbonateOptical cover materialPolymethyl methacrylate		
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Connection-Cable-Number of products on MCB of 16 A type34B34Temperature-Ambient temperature range0 to +35 °CControls and Dimming-DimmableNoDriver/power unit/transformerPower supply unit (On/Off)Constant light outputNoMechanical and Housing-Housing MaterialPolycarbonateReflector materialPolycarbonateOptic materialPolycarbonateOptical cover materialPolymethyl methacrylate	Power Consumption	14.4 W
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Reflector material Polycarbonate aluminum coated Optic material Polycarbonate Optical cover material Polymethyl methacrylate	Mechanical and Housing	
Optic material Polycarbonate Optical cover material Polymethyl methacrylate	Housing Material	Polycarbonate
Optical cover material Polymethyl methacrylate	Reflector material	Polycarbonate aluminum coated
	Optic material	Polycarbonate
Fixation material Polyamide	Optical cover material	Polymethyl methacrylate
	Fixation material	Polyamide

Housing Color	Black
Optical cover finish	Clear
Overall length	175 mm
Overall width	112 mm
Overall height	200 mm
Dimensions (Height x Width x Depth)	200 x 112 x 175 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	int)
Control gear failure rate at median useful	5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life*	5 % L80
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	5 % L80
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	5 % L80 25 °C
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code	5 % L80 25 °C No ST440S LED17S/840 PSU MB BK ST440S LED17S/840 PSU MB BK 871869917827700
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EcoStyle

Dimensional drawing





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