CoreLine Projector

ST120T LED24S-24-/830 PSU BK

LED module, system flux 2400 lm, 24 degree(s), 830 warm white, Power supply unit (On/Off), Black

The CoreLine Projector range of luminaires is designed to replace halogen and CDM-standard-based projectors. Their clean lines and attractive TCO help customers to make the switch to LED. These luminaires create a natural lighting effect for use in accent lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally friendly solution. They are easy to install on a standard track or by means of a surface-mount connector.

Product data

General Information

Lamp family code	LED24S [LED module, system flux 2400 lm]
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.
Lighting Technology	LED
Value ladder	Value
CE mark	Yes
Warranty period	3 years + 2 years upon registration

Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,400 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	73 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	24 degree(s)
Light source color	830 warm white
Optic type	Beam angle 24°
Luminaire light beam spread	24°

CoreLine Projector

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	5.6 A
Inrush time	40 ms
Power Consumption	33 W
Power Factor (Fraction)	0.9
Connection	Feed-through connector 3-pole
Cable	–
Number of products on MCB of 16 A type B	40

Temperature

Ambient temperature range	0 to +35 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	–
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	–
Housing Color	Black
Optical cover finish	Textured
Overall length	107 mm
Overall width	102 mm

Overall height	160 mm
Overall diameter	102 mm
Dimensions (Height x Width x Depth)	160 x 102 x 107 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM<3
Power consumption tolerance	+/-10%

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	No

Product Data

Order product name	ST120T LED24S-24-/830 PSU BK
Full product name	ST120T LED24S-24-/830 PSU BK
Full product code	871869606946299
Order code	06946299
Material Nr. (12NC)	910503910092
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696069462
Numerator – Packs per outer box	12
EAN/UPC – Case	8718696069547

Dimensional drawing

CoreLine Projector

www.lighting.philips.com

2023, April 29 – data subject to change