StyliD Evo

ST770S LED49S/827 PSD-VLC WB WH

StyliD Evo Compact Maxos fusion, 1, LED module, system flux 4900 lm, 40 W, Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated), Wide beam

With StyliD Evo, retailers can enjoy the superior quality of light and market-leading energy efficiency of PerfectAccent optics in a series of flexible and future-proof projectors. StyliD Evo projectors are easy to reconfigure with quick and easy optic upgrades that require no tools. They also support frequent changes in store layouts, as the StyliD Evo projector can be easily repositioned on the track or Maxos fusion backbone. Covering a wide range of lighting applications, from lower light levels in convenience formats to high-ceiling installations where very high light output is required, StyliD offers continuity for every retail concept. StyliD Evo can be mounted on 3C or DALI track (ST770T, ST780T), on Maxos fusion (ST770S, ST780S, ST770X), or into the ceiling with a semi-recessed version (ST770B). All StyliD Evo projectors with PerfectAccent reflectors are certified as a circular lighting product and offer multiple system integration and dimming options, including wired as well as wireless. For prolonged shelf life and better visual representation of food, reducing food waste and increasing sales, fresh food LED lighting recipes are available. Check out our Fashion and Food catalog pages to find out more about PremiumWhite, PremiumColor, Fresh Meat, Rosé, Frost and Champagne.

Warnings and Safety
- All photometrical data is calculated without optional front glass. Flux should be reduced by 3.5% when using a front glass
- Cleaning of the optic should only be done with pressurized air. Touching the LED or reflector is forbidden. For food preparation areas and areas with high levels of dust, the use of the optional front glass is strongly advised, as it can be cleaned with a (dry) microfiber cloth.
- During maintenance, the product must be switched off and cooled down
- The product must be installed out of arm's reach. Manipulating the product when hot is only possible with an insulated glove

StyliD Evo
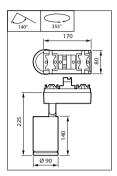
Product data

General Information

Lamp family code	LED49S [LED module, system flux 4900 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Product family code	ST770S [StyliD Evo Compact Maxos fusion]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow–wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	4,750 lm
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	827 warm white
Optic type	Wide beam
Optical cover type	–
Luminaire light beam spread	–
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W W
Average CLO power consumption	– W W
End CLO power consumption	– W
Inrush current	24.9 A
Inrush time	186 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	Push–in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	27

Temperature

Ambient temperature range	+10 to +35 °C

Controls and Dimming

Dimmable	Yes

Driver/power unit/transformer

Driver/power unit/transformer	Power supply unit with DALI interface, DC compatible for central emergency lighting (integrated)
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Metal–Plastic
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polymethyl methacrylate
Fixation material	–
Housing Color	White
Optical cover finish	Clear
Overall length	240 mm
Overall width	120 mm
Overall height	260 mm
Dimensions (Height x Width x Depth)	260 x 120 x 240 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	(0.458, 0.410) SDCM <3
Power consumption tolerance	+/–10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	ST770S LED49S/827 PSD–VLC WB WH
Full product name	ST770S LED49S/827 PSD–VLC WB WH
Full product code	871869940556400
Order code	910500465460
Material Nr. (12NC)	910500465460
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699405564
Numerator – Packs per outer box	1

StyliD Evo

Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change