



# EcoStyle – efficient and affordable

## EcoStyle

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.

### Benefits

- Short payback compared with CDM luminaires thanks to high level of system efficacy
- High-quality accent lighting thanks to the light signature of the PerfectAccent reflector
- Energy-efficient and low-maintenance thanks to LED technology

### Features

- High efficacy
- Philips PerfectAccent quality of light
- CDM retrofit track-mounted luminaire
- Clean, robust design
- 5 different light recipes

## Application

- Retail stores, especially food and fashion

## Specifications

<b>Type</b>	ST440T
<b>Light source</b>	Non-replaceable LED module
<b>Power</b>	18 W (LED17S; 830 and 840) 29.5 W (LED27S; 830, 840) 31.5 W (LED19S; Fresh Food Meat, FMT) 35 W (LED27S; CrispWhite, CRW) 31.5 W (LED35S; 830 and 840) 51 W (LED27S; Fresh Food Champagne, CH)
<b>Beam angle</b>	MB (20° for LED27S) WB (33° for LED27S)
<b>Luminous flux</b>	1,700, 2,700, 3,400 lm (light colour 830) 1,800, 2,900, 3,700 lm (light colour 840) 1,900 lm (Fresh Food Meat, FMT) 2,700 lm (Fresh Food Champagne, CH) 2,700 lm (CrispWhite, CRW)
<b>Correlated Colour Temperature</b>	2,500 K (LED27S; Fresh Food Champagne, CH) 3,000 K 4,000 K
<b>Colour Rendering Index</b>	>80 (830, 840) 87 (Fresh Food Meat, FMT) 90 (Fresh Food Champagne, CH) >93 (CrispWhite, CRW)
<b>Standard deviation colour matching (SDCM)</b>	3 (with a tolerance of +/- 0.005 on colour point measurement)

<b>Lumen maintenance at median useful life*</b>	L80 50,000 h
<b>Control gear failure rate at median useful life</b>	5% 50,000 h
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	0 to +35 °C
<b>Driver</b>	Built-in
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Dimming</b>	DALI dimming on request
<b>Material</b>	Driver box: plastic Heatsink: die-cast aluminium Reflector: polycarbonate Optic cover: polymethylmethacrylate (PMMA)
<b>Colour</b>	White (WH, RAL 9003), black (BK, RAL 9004)
<b>Connection</b>	3C track adapter
<b>Installation</b>	On 3-circuit track Through-wiring not possible

## Versions



EcoStyle track mounting - LED  
Module, system flux 1700 lm



EcoStyle track mounting - LED  
Module, system flux 1,700 lm

Product details



EcoStyle-ST440T-3DPP.TIF



EcoStyle-ST440T-1DPP.TIF



EcoStyle-ST440T-2DPP.TIF

**Application Conditions**

Ambient temperature range	0 to +35 °C
Suitable for random switching	No

**Approval and Application**

Mech. impact protection code	IK02
Ingress protection code	IP20

**Controls and Dimming**

Dimmable	No
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**Operating and Electrical**

Input Voltage	220 to 240 V
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**General Information**

Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class II
Optical cover/lens type	ACC
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Product Family Code	ST440T

**Initial Performance (IEC Compliant)**

Init. Colour Rendering Index	80
Luminous flux tolerance	+/-10%

**General Information**

Order Code	Full Product Name	Cap-Base	Lamp family code	Optic type
25910800	ST440T LED17S/830 PSU MB BK	-	LED17S	MB
25924500	ST440T LED27S/830 PSU MB WH	-	LED27S	MB
25926900	ST440T LED27S/830 PSU WB WH	-	LED27S	WB
25935100	ST440T LED39S/840 PSU MB WH	-	LED35S	MB
25936800	ST440T LED39S/830 PSU WB WH	-	LED35S	WB
25937500	ST440T LED39S/840 PSU WB WH	-	LED35S	WB

**Initial Performance (IEC Compliant) (1/2)**

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
25910800	ST440T LED17S/8 30 PSU MB BK	(0.43, 0.40)	3000 K	118.05555555555556 lm/W	1700 lm
25924500	ST440T LED27S/8 30 PSU MB WH	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm
25926900	ST440T LED27S/8 30 PSU WB WH	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm
25935100	ST440T LED39S/8 40 PSU MB WH	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm
25936800	ST440T LED39S/8 30 PSU WB WH	(0.43, 0.40)	3000 K	123.80952380952381 lm/W	3900 lm
25937500	ST440T LED39S/8 40 PSU WB WH	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm

**Initial Performance (IEC Compliant) (2/2)**

Order Code	Full Product Name	Initial input power
25910800	ST440T LED17S/830 PSU MB BK	14.4 W
25924500	ST440T LED27S/830 PSU MB WH	23.5 W
25926900	ST440T LED27S/830 PSU WB WH	23.5 W

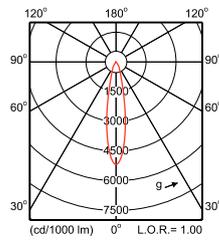
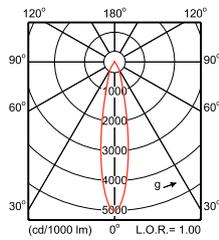
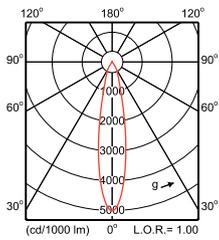
Order Code	Full Product Name	Initial input power
25935100	ST440T LED39S/840 PSU MB WH	31.5 W
25936800	ST440T LED39S/830 PSU WB WH	31.5 W
25937500	ST440T LED39S/840 PSU WB WH	31.5 W

**Mechanical and Housing**

Order Code	Full Product Name	Colour
25910800	ST440T LED17S/830 PSU MB BK	Black
25924500	ST440T LED27S/830 PSU MB WH	White
25926900	ST440T LED27S/830 PSU WB WH	White

Order Code	Full Product Name	Colour
25935100	ST440T LED39S/840 PSU MB WH	White
25936800	ST440T LED39S/830 PSU WB WH	White
25937500	ST440T LED39S/840 PSU WB WH	White

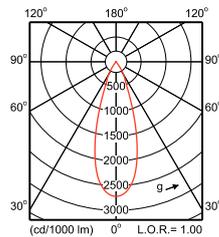
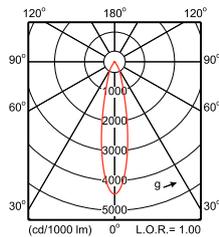
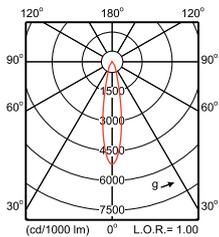
**Polar Wide Diagrams**



IFPS\_ST440T 1xLED17S/830 MB-Polar Normal (separate)

IFPS\_ST440T 1xLED17S/840 MB-Polar Normal (separate)

IFPS\_ST440T 1xLED27S/830 MB-Polar Normal (separate)

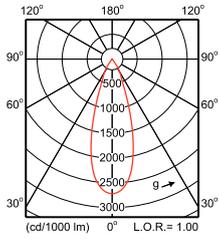


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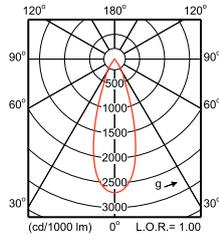
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IFPS\_ST440T 1xLED17S/830 WB-Polar Normal (separate)

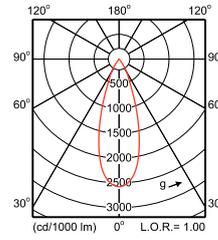
Polar Wide Diagrams



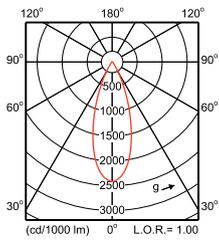
**IFPS\_ST440T 1xLED17S/840 WB-Polar Normal**  
(separate)



**IFPS\_ST440T 1xLED27S/830 WB-Polar Normal**  
(separate)



**IFPS\_ST440T 1xLED35S/840 WB-Polar Normal**  
(separate)



**IFPS\_ST440T 1xLED27S/CH WB-Polar Normal**  
(separate)

