



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

Type	ST440T
Light source	Non-replaceable LED module
Power	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)
Beam angle	MB (20° for LED27S) WB (33° for LED27S)
Luminous flux	1700, 2700, 3400 lm (light color 830) 1800, 2900, 3700 lm (light color 840) 1900 lm (Fresh Food Meat, FMT) 2700 lm (Fresh Food Champagne, CH) 2700 lm (CrispWhite, CRW)
Correlated Color Temperature	2500 K (LED27S; Fresh Food Champagne, CH) 3000 K 4000 K
Color Rendering Index	>80 (830, 840) 87 (Fresh Food Meat, FMT) 90 (Fresh Food Champagne, CH) >93 (CrispWhite, CRW)
Standard deviation color matching (SDCM)	3 (with a tolerance of +/- 0,005 on color point measurement)

Lumen maintenance at median useful life*	L80 50000 h
Control gear failure rate at median useful life	5% 50000 h
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	0 to +35 °C
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	DALI dimming on request
Material	Driver box: plastic Heatsink: die-cast aluminum Reflector: polycarbonate Optic cover: polymethylmethacrylate (PMMA)
Color	White (WH, RAL 9003), black (BK, RAL 9004)
Connection	3C track adapter
Installation	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 1700 lm

EcoStyle

Versions



EcoStyle track mounting - 830
warm white - Power supply unit -
Medium beam - Safety class II -
Black

Product details



EcoStyle-ST440T-3DPP.TIF



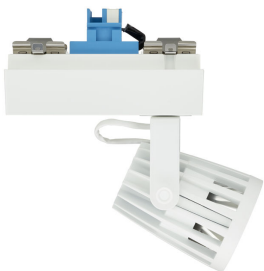
EcoStyle-ST440T-1DPP.TIF



EcoStyle-ST440T-2DPP.TIF



EcoStyle-ST440S-WH-1DPP.tif



EcoStyle-ST440S-WH-2DPP.tif



EcoStyle-ST440S-WH-3DPP.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
----------	----

Operating and Electrical

Input Voltage	220 to 240 V
---------------	--------------

General Information

Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class II
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Product Family Code	ST440T
Service tag	Yes

Initial Performance (IEC Compliant)

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

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Lamp family code	Number of light sources
910500456841	ST440T LED17S/830 PSU MB BK	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456842	ST440T LED17S/840 PSU MB BK	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456843	ST440T LED17S/830 PSU WB BK	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456844	ST440T LED17S/840 PSU WB BK	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456851	ST440T LED27S/830 PSU MB BK	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456852	ST440T LED27S/840 PSU MB BK	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456853	ST440T LED27S/830 PSU WB BK	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456854	ST440T LED27S/840 PSU WB BK	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456861	ST440T LED39S/830 PSU MB BK	-	Acrylic bowl/cover clear	LED35S	1 pc
910500456862	ST440T LED39S/840 PSU MB BK	-	Acrylic bowl/cover clear	LED35S	1 pc
910500456863	ST440T LED39S/830 PSU WB BK	-	Acrylic bowl/cover clear	LED35S	1 pc
910500456864	ST440T LED39S/840 PSU WB BK	-	Acrylic bowl/cover clear	LED35S	1 pc
910500457931	ST440T LED19S/FMT PSU WB BK	-	Acrylic bowl/cover clear	LED19S	1 pc
910500456845	ST440T LED17S/830 PSU MB WH	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456846	ST440T LED17S/840 PSU MB WH	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456847	ST440T LED17S/830 PSU WB WH	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456848	ST440T LED17S/840 PSU WB WH	-	Acrylic bowl/cover clear	LED17S	1 pc
910500456855	ST440T LED27S/830 PSU MB WH	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456856	ST440T LED27S/840 PSU MB WH	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456857	ST440T LED27S/830 PSU WB WH	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456858	ST440T LED27S/840 PSU WB WH	-	Acrylic bowl/cover clear	LED27S	1 pc
910500456865	ST440T LED39S/830 PSU MB WH	-	Acrylic bowl/cover clear	LED35S	1 pc
910500456866	ST440T LED39S/840 PSU MB WH	-	Acrylic bowl/cover clear	LED35S	1 pc
910500456867	ST440T LED39S/830 PSU WB WH	-	Acrylic bowl/cover clear	LED35S	1 pc

Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Lamp family code	Number of light sources
910500456868	ST440T LED39S/840 PSU WB WH	-	Acrylic bowl/cover clear	LED35S	1 pc
910500457932	ST440T LED19S/FMT PSU WB WH	-	Acrylic bowl/cover clear	LED19S	1 pc
910500465037	ST440S LED17S/840 PSU MB BK	-	-	-	-
910500465039	ST440S LED17S/840 PSU WB BK	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	Optic type	Order Code	Full Product Name	Optic type
910500456841	ST440T LED17S/830 PSU MB BK	Medium beam	910500456846	ST440T LED17S/840 PSU MB WH	Medium beam
910500456842	ST440T LED17S/840 PSU MB BK	Medium beam	910500456847	ST440T LED17S/830 PSU WB WH	Wide beam
910500456843	ST440T LED17S/830 PSU WB BK	Wide beam	910500456848	ST440T LED17S/840 PSU WB WH	Wide beam
910500456844	ST440T LED17S/840 PSU WB BK	Wide beam	910500456855	ST440T LED27S/830 PSU MB WH	Medium beam
910500456851	ST440T LED27S/830 PSU MB BK	Medium beam	910500456856	ST440T LED27S/840 PSU MB WH	Medium beam
910500456852	ST440T LED27S/840 PSU MB BK	Medium beam	910500456857	ST440T LED27S/830 PSU WB WH	Wide beam
910500456853	ST440T LED27S/830 PSU WB BK	Wide beam	910500456858	ST440T LED27S/840 PSU WB WH	Wide beam
910500456854	ST440T LED27S/840 PSU WB BK	Wide beam	910500456865	ST440T LED39S/830 PSU MB WH	Medium beam
910500456861	ST440T LED39S/830 PSU MB BK	Medium beam	910500456866	ST440T LED39S/840 PSU MB WH	Medium beam
910500456862	ST440T LED39S/840 PSU MB BK	Medium beam	910500456867	ST440T LED39S/830 PSU WB WH	Wide beam
910500456863	ST440T LED39S/830 PSU WB BK	Wide beam	910500456868	ST440T LED39S/840 PSU WB WH	Wide beam
910500456864	ST440T LED39S/840 PSU WB BK	Wide beam	910500457932	ST440T LED19S/FMT PSU WB WH	Wide beam
910500457931	ST440T LED19S/FMT PSU WB BK	Wide beam	910500465037	ST440S LED17S/840 PSU MB BK	Medium beam
910500456845	ST440T LED17S/830 PSU MB WH	Medium beam	910500465039	ST440S LED17S/840 PSU WB BK	Wide beam

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux	Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910500456841	ST440T LED17S/830 PSU MB BK	(0.43, 0.40)	3000 K	118.05555555555556 lm/W	1700 lm	910500456851	ST440T LED27S/830 PSU MB BK	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm
910500456842	ST440T LED17S/840 PSU MB BK	(0.38, 0.38)	4000 K	125 lm/W	1800 lm	910500456852	ST440T LED27S/840 PSU MB BK	(0.38, 0.38)	4000 K	119.14893617021276 lm/W	2800 lm
910500456843	ST440T LED17S/830 PSU WB BK	(0.43, 0.40)	3000 K	118.05555555555556 lm/W	1700 lm	910500456853	ST440T LED27S/830 PSU WB BK	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm
910500456844	ST440T LED17S/840 PSU WB BK	(0.38, 0.38)	4000 K	125 lm/W	1800 lm	910500456854	ST440T LED27S/840 PSU WB BK	(0.38, 0.38)	4000 K	119.14893617021276 lm/W	2800 lm

Order Code	Full Product		Init. Corr.		Initial luminous flux
	Name	Initial chromaticity	Color Temperature	Initial LED luminaire efficacy	
910500456861	ST440T LED39S/830 PSU MB BK	(0.43, 0.40)	3000 K	123.80952380952381 lm/W	3900 lm
910500456862	ST440T LED39S/840 PSU MB BK	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm
910500456863	ST440T LED39S/830 PSU WB BK	(0.43, 0.40)	3000 K	123.80952380952381 lm/W	3900 lm
910500456864	ST440T LED39S/840 PSU WB BK	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm
910500457931	ST440T LED19S/FMT PSU WB BK	(0.40, 0.33)	3000 K	70.37037037037037 lm/W	1900 lm
910500456845	ST440T LED17S/830 PSU MB WH	(0.43, 0.40)	3000 K	118.05555555555556 lm/W	1700 lm
910500456846	ST440T LED17S/840 PSU MB WH	(0.38, 0.38)	4000 K	125 lm/W	1800 lm
910500456847	ST440T LED17S/830 PSU WB WH	(0.43, 0.40)	3000 K	118.05555555555556 lm/W	1700 lm
910500456848	ST440T LED17S/840 PSU WB WH	(0.38, 0.38)	4000 K	125 lm/W	1800 lm
910500456855	ST440T LED27S/830 PSU MB WH	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm

Order Code	Full Product		Init. Corr.		Initial luminous flux
	Name	Initial chromaticity	Color Temperature	Initial LED luminaire efficacy	
910500456856	ST440T LED27S/840 PSU MB WH	(0.38, 0.38)	4000 K	119.14893617021276 lm/W	2800 lm
910500456857	ST440T LED27S/830 PSU WB WH	(0.43, 0.40)	3000 K	114.8936170212766 lm/W	2700 lm
910500456858	ST440T LED27S/840 PSU WB WH	(0.38, 0.38)	4000 K	119.14893617021276 lm/W	2800 lm
910500456865	ST440T LED39S/830 PSU MB WH	(0.43, 0.40)	3000 K	123.80952380952381 lm/W	3900 lm
910500456866	ST440T LED39S/840 PSU MB WH	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm
910500456867	ST440T LED39S/830 PSU WB WH	(0.43, 0.40)	3000 K	123.80952380952381 lm/W	3900 lm
910500456868	ST440T LED39S/840 PSU WB WH	(0.38, 0.38)	4000 K	120.63492063492063 lm/W	3800 lm
910500457932	ST440T LED19S/FMT PSU WB WH	(0.40, 0.33)	3000 K	70.37037037037037 lm/W	1900 lm
910500465037	ST440S LED17S/840 PSU MB BK	(0.38, 0.38)	4000 K	125 lm/W	1800 lm
910500465039	ST440S LED17S/840 PSU WB BK	(0.38, 0.38)	4000 K	125 lm/W	1800 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910500456841	ST440T LED17S/830 PSU MB BK	14.4 W
910500456842	ST440T LED17S/840 PSU MB BK	14.4 W
910500456843	ST440T LED17S/830 PSU WB BK	14.4 W
910500456844	ST440T LED17S/840 PSU WB BK	14.4 W
910500456851	ST440T LED27S/830 PSU MB BK	23.5 W
910500456852	ST440T LED27S/840 PSU MB BK	23.5 W

Order Code	Full Product Name	Initial input power
910500456853	ST440T LED27S/830 PSU WB BK	23.5 W
910500456854	ST440T LED27S/840 PSU WB BK	23.5 W
910500456861	ST440T LED39S/830 PSU MB BK	31.5 W
910500456862	ST440T LED39S/840 PSU MB BK	31.5 W
910500456863	ST440T LED39S/830 PSU WB BK	31.5 W
910500456864	ST440T LED39S/840 PSU WB BK	31.5 W

Order Code	Full Product Name	Initial input power
910500457931	ST440T LED19S/FMT PSU WB BK	27 W
910500456845	ST440T LED17S/830 PSU MB WH	14.4 W
910500456846	ST440T LED17S/840 PSU MB WH	14.4 W
910500456847	ST440T LED17S/830 PSU WB WH	14.4 W
910500456848	ST440T LED17S/840 PSU WB WH	14.4 W
910500456855	ST440T LED27S/830 PSU MB WH	23.5 W
910500456856	ST440T LED27S/840 PSU MB WH	23.5 W
910500456857	ST440T LED27S/830 PSU WB WH	23.5 W

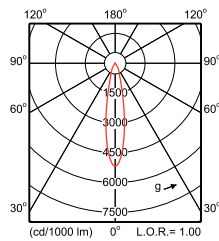
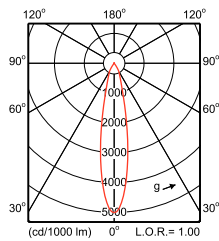
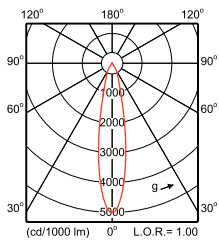
Order Code	Full Product Name	Initial input power
910500456858	ST440T LED27S/840 PSU WB WH	23.5 W
910500456865	ST440T LED39S/830 PSU MB WH	31.5 W
910500456866	ST440T LED39S/840 PSU MB WH	31.5 W
910500456867	ST440T LED39S/830 PSU WB WH	31.5 W
910500456868	ST440T LED39S/840 PSU WB WH	31.5 W
910500457932	ST440T LED19S/FMT PSU WB WH	27 W
910500465037	ST440S LED17S/840 PSU MB BK	14.4 W
910500465039	ST440S LED17S/840 PSU WB BK	14.4 W

Mechanical and Housing

Order Code	Full Product Name	Color
910500456841	ST440T LED17S/830 PSU MB BK	Black
910500456842	ST440T LED17S/840 PSU MB BK	Black
910500456843	ST440T LED17S/830 PSU WB BK	Black
910500456844	ST440T LED17S/840 PSU WB BK	Black
910500456851	ST440T LED27S/830 PSU MB BK	Black
910500456852	ST440T LED27S/840 PSU MB BK	Black
910500456853	ST440T LED27S/830 PSU WB BK	Black
910500456854	ST440T LED27S/840 PSU WB BK	Black
910500456861	ST440T LED39S/830 PSU MB BK	Black
910500456862	ST440T LED39S/840 PSU MB BK	Black
910500456863	ST440T LED39S/830 PSU WB BK	Black
910500456864	ST440T LED39S/840 PSU WB BK	Black
910500457931	ST440T LED19S/FMT PSU WB BK	Black
910500456845	ST440T LED17S/830 PSU MB WH	White

Order Code	Full Product Name	Color
910500456846	ST440T LED17S/840 PSU MB WH	White
910500456847	ST440T LED17S/830 PSU WB WH	White
910500456848	ST440T LED17S/840 PSU WB WH	White
910500456855	ST440T LED27S/830 PSU MB WH	White
910500456856	ST440T LED27S/840 PSU MB WH	White
910500456857	ST440T LED27S/830 PSU WB WH	White
910500456858	ST440T LED27S/840 PSU WB WH	White
910500456865	ST440T LED39S/830 PSU MB WH	White
910500456866	ST440T LED39S/840 PSU MB WH	White
910500456867	ST440T LED39S/830 PSU WB WH	White
910500456868	ST440T LED39S/840 PSU WB WH	White
910500457932	ST440T LED19S/FMT PSU WB WH	White
910500465037	ST440S LED17S/840 PSU MB BK	Black
910500465039	ST440S LED17S/840 PSU WB BK	Black

Polar Wide Diagrams

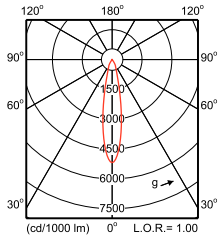


IFPS_ST440T 1xLED17S/830 MB-Polar Normal (separate)

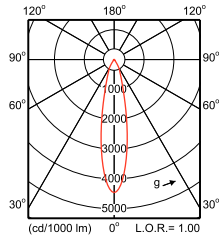
IFPS_ST440T 1xLED17S/840 MB-Polar Normal (separate)

IFPS_ST440T 1xLED27S/830 MB-Polar Normal (separate)

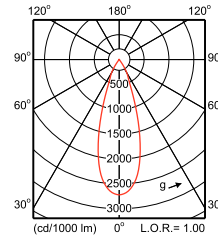
Polar Wide Diagrams



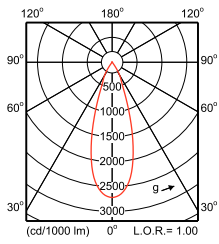
IFPS_ST440T 1xLED27S/840 MB-Polar Normal
(separate)



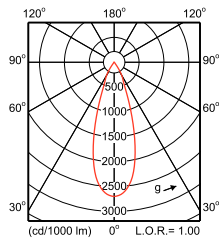
IFPS_ST440T 1xLED35S/840 MB-Polar Normal
(separate)



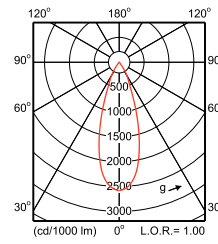
IFPS_ST440T 1xLED17S/830 WB-Polar Normal
(separate)



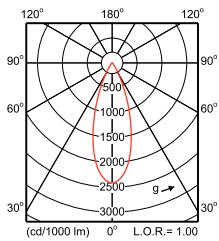
IFPS_ST440T 1xLED17S/840 WB-Polar Normal
(separate)



IFPS_ST440T 1xLED27S/830 WB-Polar Normal
(separate)



IFPS_ST440T 1xLED35S/840 WB-Polar Normal
(separate)



IFPS_ST440T 1xLED27S/CH WB-Polar Normal
(separate)

