



# Simple conversion to LED

## Maxos universal

Maxos universal is an adaptable LED luminaire that is designed to retrofit a fluorescent Lightline to a LED light line. The conversion can be smoothly integrated into the existing backbone and comes with dedicated accessories like blind unit & through wiring. The portfolio boasts efficacy up to 168lm/W and lumen maintenance at 50k hours of L90.

### Benefits

- Simple conversion from fluorescent to LED
- Dedicated blind unit and through wiring accessories to help complete the full line

### Features

- Universal retrofit panel 1,5m
- high efficacy up to 168lm/W
- WB optics
- PSU and PSD versions
- Dedicated mechanical springs to fit onto the existing backbone

### Application

- (Food) retail
- Industrial halls/areas
- Warehouses/distribution centres

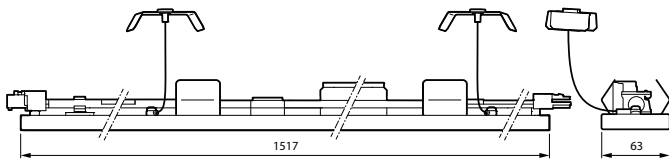
# Maxos universal

## Versions



Maxos universal panel PSU

## Dimensional drawing



## Product details



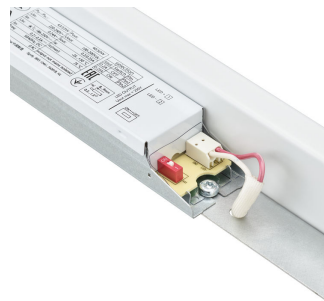
Maxos universal panel Through wiring



Maxos universal panel springs



Maxos universal panel phase selector



Maxos universal panel dip switch

General Information	
Driver included	Yes
Number of gear units	Unit
Light Technical	
Beam angle of light source	120 degree(s)
Colour rendering index (CRI)	>80
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Not applicable
Mechanical and Housing	
Housing Colour	White
Mech. impact protection code	IK02
Ingress protection code	IP20
Approval and Application	
Ambient temperature range	-20 to +35 °C
CE mark	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 °C, duration 30 s
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.34, 0.35) SDCM <3
Luminous flux tolerance	+/-7%
Product Data	
Product family code	LL515S

## General Information

Order Code	Full Product Name	Service Tag
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	Yes
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	Yes
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	Yes
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	Yes
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	Yes
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	Yes
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	-
910925870069	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	-
910925870070	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	-
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	-
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	-
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	-
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	-

## Light Technical

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy	Luminous Flux	Optic type
		(Nom)	(rated) (nom.)		
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	4000 K	168 lm/W	4,200 lm	Wide beam
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	3000 K	168 lm/W	4,200 lm	Wide beam
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	4000 K	160 lm/W	8,000 lm	Wide beam

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy	Luminous Flux	Optic type
		(Nom)	(rated) (nom.)		
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	3000 K	160 lm/W	8,000 lm	Wide beam
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	4000 K	168 lm/W	5,700 lm	Wide beam
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	3000 K	168 lm/W	5,700 lm	Wide beam

# Maxos universal

Order Code	Full Product Name	Correlated Colour	Luminous efficacy	Luminous Flux	Optic type
		Temperature (Nom)	(rated) (nom.)		
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	4000 K	137 lm/W	3,550 lm	Opal
910925870069	LL515S 27_33_40_47S/8400-PCPSU UNIVTW3WH	4000 K	140 lm/W	4,700 lm	Opal
910925870070	LL515S 27_33_40_47S/8300-PCPSU UNIVTW3WH	3000 K	134 lm/W	4,500 lm	Opal
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	3000 K	133 lm/W	6,460 lm	Opal

Order Code	Full Product Name	Correlated Colour	Luminous efficacy	Luminous Flux	Optic type
		Temperature (Nom)	(rated) (nom.)		
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	4000 K	140 lm/W	6,800 lm	Opal
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	3000 K	130 lm/W	3,373 lm	Opal
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	4000 K	141 lm/W	5,200 lm	Opal

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	25 W
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	25 W
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	50 W
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	50 W
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	36 W
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	36 W
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	26 W
910925870069	LL515S 27_33_40_47S/8400-PCPSU UNIVTW3WH	33.5 W

Order Code	Full Product Name	Power Consumption
910925870070	LL515S 27_33_40_47S/8300-PCPSU UNIVTW3WH	33.5 W
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	48.5 W
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	48.5 W
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	26 W
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	37 W

## Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim
			level
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	Yes	1%
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	Yes	1%
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	Yes	1%
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	Yes	1%
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	No	Not applicable
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	No	Not applicable
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	Yes	-

Order Code	Full Product Name	Dimmable	Maximum dim
			level
910925870069	LL515S 27_33_40_47S/8400-PCPSU UNIVTW3WH	No	-
910925870070	LL515S 27_33_40_47S/8300-PCPSU UNIVTW3WH	No	-
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	Yes	-
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	Yes	-
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	Yes	-
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	Yes	-

## Emergency Operation

Order Code	Full Product Name	Central Emergency
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	No
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	No
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	No

Order Code	Full Product Name	Central Emergency
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	No
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	No
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	No

Order Code	Full Product Name	Central Emergency
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	-
910925870069	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	-
910925870070	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	-
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	-

Order Code	Full Product Name	Central Emergency
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	-
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	-
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	-

## Approval and Application

Order Code	Full Product Name	ENEC mark	Flickering	
			value (PstLM)	Stroboscopic effect
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	-	1	0.4
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	-	1	0.4
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	-	1	0.4
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	-	1	0.4
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	-	1	0.4
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	-	1	0.4
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	ENEC mark	-	-

Order Code	Full Product Name	ENEC mark	Flickering	
			value (PstLM)	Stroboscopic effect
910925870069	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	ENEC mark	-	-
910925870070	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	ENEC mark	-	-
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	ENEC mark	-	-
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	ENEC mark	-	-
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	ENEC mark	-	-
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	ENEC mark	-	-

