



# 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

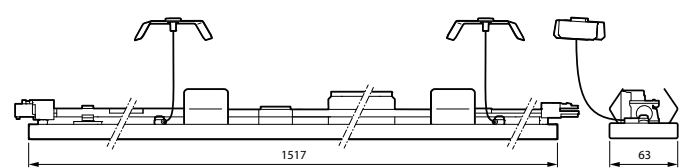
# Maxos universal

## Versions



PCO Maxos universal

## Dimensional drawing



## Product details



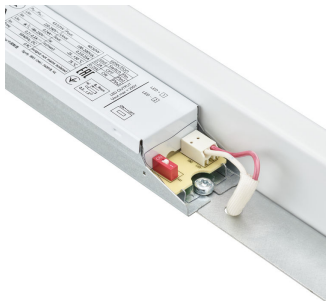
Maxos universal panel Through wiring



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	
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
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	Yes
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	Yes
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	Yes
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	Yes
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	Yes
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	Yes
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	-
47396600	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	-
47397300	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	-
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	-
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	-
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	-
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	-

Light Technical

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Optic type
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	4000 K	168 lm/W	4,200 lm	Wide beam
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	3000 K	168 lm/W	4,200 lm	Wide beam
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	4000 K	160 lm/W	8,000 lm	Wide beam
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	3000 K	160 lm/W	8,000 lm	Wide beam
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	4000 K	168 lm/W	5,700 lm	Wide beam

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Optic type
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	3000 K	168 lm/W	5,700 lm	Wide beam
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	4000 K	137 lm/W	3,550 lm	Opal
47396600	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	4000 K	140 lm/W	4,700 lm	Opal
47397300	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	3000 K	134 lm/W	4,500 lm	Opal

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Optic type
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	3000 K	133 lm/W	6,460 lm	Opal
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	4000 K	140 lm/W	6,800 lm	Opal
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	3000 K	130 lm/W	3,373 lm	Opal

Operating and Electrical

Order Code	Full Product Name	Power Consumption
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	25 W
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	25 W
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	50 W
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	50 W
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	36 W
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	36 W
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	26 W

Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	Yes	1%
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	Yes	1%
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	Yes	1%
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	Yes	1%
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	No	Not applicable
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	No	Not applicable
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	Yes	-
47396600	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	No	-

Emergency Operation

Order Code	Full Product Name	Central Emergency
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	No
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	No
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	No
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	No
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	No
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	No
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	-

Approval and Application

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Optic type
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	4000 K	141 lm/W	5,200 lm	Opal

Order Code	Full Product Name	Power Consumption
47396600	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	33.5 W
47397300	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	33.5 W
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	48.5 W
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	48.5 W
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	26 W
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	37 W

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
47397300	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	No	-
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	Yes	-
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	Yes	-
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	Yes	-
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	Yes	-

Order Code	Full Product Name	Central Emergency
47396600	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	-
47397300	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	-
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	-
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	-
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	-
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	-

Order Code	Full Product Name	Ambient temperature range	ENEC mark	Flickering value (PstLM)	Stroboscopic effect
77300400	LL515S 42S/840 PSD WB UNIV TW3 WH	-20 to +25 °C	-	1	0.4
77301100	LL515S 42S/830 PSD WB UNIV TW3 WH	-20 to +25 °C	-	1	0.4
77302800	LL515S 80S/840 PSD WB UNIV TW3 WH	-20 to +25 °C	-	1	0.4
77303500	LL515S 80S/830 PSD WB UNIV TW3 WH	-20 to +25 °C	-	1	0.4
77298400	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	-20 to +25 °C	-	1	0.4
77299100	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	-20 to +25 °C	-	1	0.4
47395900	LL515S 36S/840 PSD O-PC UNIV TW3 WH	-20 to +35 °C	ENEC mark	-	-
47396600	LL515S 27_33_40_47S/ 840O-PCPSU UNIVTW3WH	-20 to +35 °C	ENEC mark	-	-

Order Code	Full Product Name	Ambient temperature range	ENEC mark	Flickering value (PstLM)	Stroboscopic effect
47397300	LL515S 27_33_40_47S/ 830O-PCPSU UNIVTW3WH	-20 to +35 °C	ENEC mark	-	-
47398000	LL515S 68S/830 PSD O-PC UNIV TW3 WH	-20 to +35 °C	ENEC mark	-	-
47399700	LL515S 68S/840 PSD O-PC UNIV TW3 WH	-20 to +35 °C	ENEC mark	-	-
47400000	LL515S 36S/830 PSD O-PC UNIV TW3 WH	-20 to +35 °C	ENEC mark	-	-
47445100	LL512S LED61/840 PSD O-PC UNIV TW3 WH	-20 to +35 °C	ENEC mark	-	-

