



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 upto 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 upto 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 centers

Maxos universal

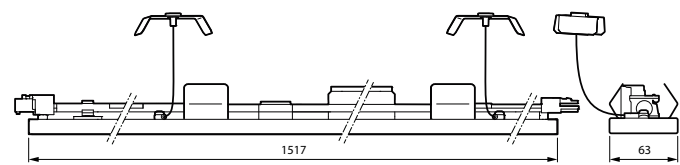
Versions



Maxos universal panel PSU

PCO Maxos universal

Dimensional drawing



Product details



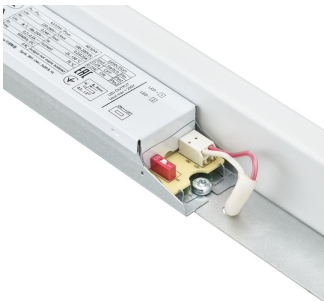
Maxos universal panel Through wiring



Maxos universal panel springs



Maxos universal panel phase selector



Maxos universal panel dip switch

General Information	
Driver included	Yes
Number of gear units	1 unit
Light Technical	
Beam angle of light source	120 degree(s)
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 Color	White
Mech. impact protection code	IK02
Ingress protection code	IP20
Emergency Operation	
Emergency lighting	-
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
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	Yes
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	Yes
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	Yes
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	Yes
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	Yes
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	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 (1/2)

Order Code	Full Product Name	Correlated Color Temperature	Color rendering index	Luminous Efficacy (rated)	Luminous Flux
		(Nom)	(CRI)	(Nom)	
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	4000 K	>80	168 lm/W	4,200 lm
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	3000 K	>80	168 lm/W	4,200 lm

Order Code	Full Product Name	Correlated Color Temperature	Color rendering index	Luminous Efficacy (rated)	Luminous Flux
		(Nom)	(CRI)	(Nom)	
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	4000 K	>80	160 lm/W	8,000 lm
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	3000 K	>80	160 lm/W	8,000 lm

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous
		Color	rendering	Efficacy	
		Temperature	index	(rated)	Flux
		(Nom)	(CRI)	(Nom)	
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	4000 K	80	168 lm/W	4,200 lm
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	4000 K	80	168 lm/W	5,700 lm
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	4000 K	80	160 lm/W	8,000 lm
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	4000 K	80	168 lm/W	4,200 lm
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	4000 K	80	168 lm/W	5,700 lm
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	4000 K	80	160 lm/W	8,000 lm
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	4000 K	>80	168 lm/W	5,700 lm
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	3000 K	>80	168 lm/W	5,700 lm

Light Technical (2/2)

Order Code	Full Product Name	Optic type
910925869511	LL515S 42S/840 PSD WB UNIV TW3 WH	Wide beam
910925869512	LL515S 42S/830 PSD WB UNIV TW3 WH	Wide beam
910925869513	LL515S 80S/840 PSD WB UNIV TW3 WH	Wide beam
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	Wide beam
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	Narrow beam
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	Narrow beam
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	Narrow beam
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	Wide beam
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	Wide beam
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	Wide beam

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

Order Code	Full Product Name	Correlated	Color	Luminous	Luminous
		Color	rendering	Efficacy	
		Temperature	index	(rated)	Flux
		(Nom)	(CRI)	(Nom)	
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	4000 K	>80	137 lm/W	3,550 lm
910925870069	LL515S 27_33_40_47S/ 840O-PCPSU UNIVTW3WH	4000 K	>80	140 lm/W	4,700 lm
910925870070	LL515S 27_33_40_47S/ 830O-PCPSU UNIVTW3WH	3000 K	>80	134 lm/W	4,500 lm
910925870071	LL515S 68S/ 830 PSD O-PC UNIV TW3 WH	3000 K	>80	133 lm/W	6,460 lm
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	4000 K	>80	140 lm/W	6,800 lm
910925870073	LL515S 36S/ 830 PSD O-PC UNIV TW3 WH	3000 K	>80	130 lm/W	3,373 lm
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	4000 K	>80	141 lm/W	5,200 lm

Order Code	Full Product Name	Optic type
910925869509	LL515S 46S_57S/840 WB PSU UNIV TW3 WH	Wide beam
910925869510	LL515S 46S_57S/830 WB PSU UNIV TW3 WH	Wide beam
910925870068	LL515S 36S/840 PSD O-PC UNIV TW3 WH	Opal
910925870069	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	Opal
910925870070	LL515S 27_33_40_47S/830O-PCPSU UNIVTW3WH	Opal
910925870071	LL515S 68S/830 PSD O-PC UNIV TW3 WH	Opal
910925870072	LL515S 68S/840 PSD O-PC UNIV TW3 WH	Opal
910925870073	LL515S 36S/830 PSD O-PC UNIV TW3 WH	Opal
910925870119	LL512S LED61/840 PSD O-PC UNIV TW3 WH	Opal

Order Code	Full Product Name	Power Consumption
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	25 W
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	36 W
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	50 W
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	25 W

Order Code	Full Product Name	Power Consumption
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	36 W
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	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/840O-PCPSU UNIVTW3WH	33.5 W

Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	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%
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	Yes	1%
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	No	Not applicable
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	Yes	1%
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	Yes	1%
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	No	Not applicable
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	Yes	1%

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
910925869514	LL515S 80S/830 PSD WB UNIV TW3 WH	No
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	No
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	No
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	No
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	No
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	No
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	No

Approval and Application

Order Code	Full Product Name	Power Consumption
910925870070	LL515S 27_33_40_47S/830O-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

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
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	-
910925870069	LL515S 27_33_40_47S/840O-PCPSU UNIVTW3WH	No	-
910925870070	LL515S 27_33_40_47S/830O-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	-

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

Order Code	Full Product Name	ENEC mark	Flickering value (PstLM) - Flickering value as per EN 61000-3-3		Stroboscopic effect visibility measure (SVM)
			EN		
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
910925869841	LL515S 42S/840 PSD NB UNIV TW3 WH VK	-	1		0.4
910925869842	LL515S 46S_57S/840 NB PSU UNIV TW3 WH VK	-	1		0.4
910925869843	LL515S 80S/840 PSD NB UNIV TW3 WH VK	-	1		0.4
910925869844	LL515S 42S/840 PSD WB UNIV TW3 WH VK	-	1		0.4
910925869845	LL515S 46S_57S/840 WB PSU UNIV TW3 WH VK	-	1		0.4
910925869846	LL515S 80S/840 PSD WB UNIV TW3 WH VK	-	1		0.4

Order Code	Full Product Name	ENEC mark	Flickering value (PstLM) - Flickering value as per EN 61000-3-3		Stroboscopic effect visibility measure (SVM)
			EN		
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	-		-
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	-		-

