

LTP42-1WMC-4X-W

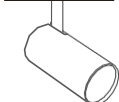
LTP42-1WMC-4X-B

LTP42-1WMC-4X-G

Product Features

- The housing is made from V0 flame retardant PC materials from COVESTRO.
- Small size and light weight. Wide range of applicable lamps.
- Class 2 LED driver, Safety Extra Low Voltage (LVLE).
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Overheat, overload, short circuit protection and automatic recovery.
- Up to 50,000-hour life time.
- 5-year warranty (AiSHi capacitor).

Application



Tracks light



SELV

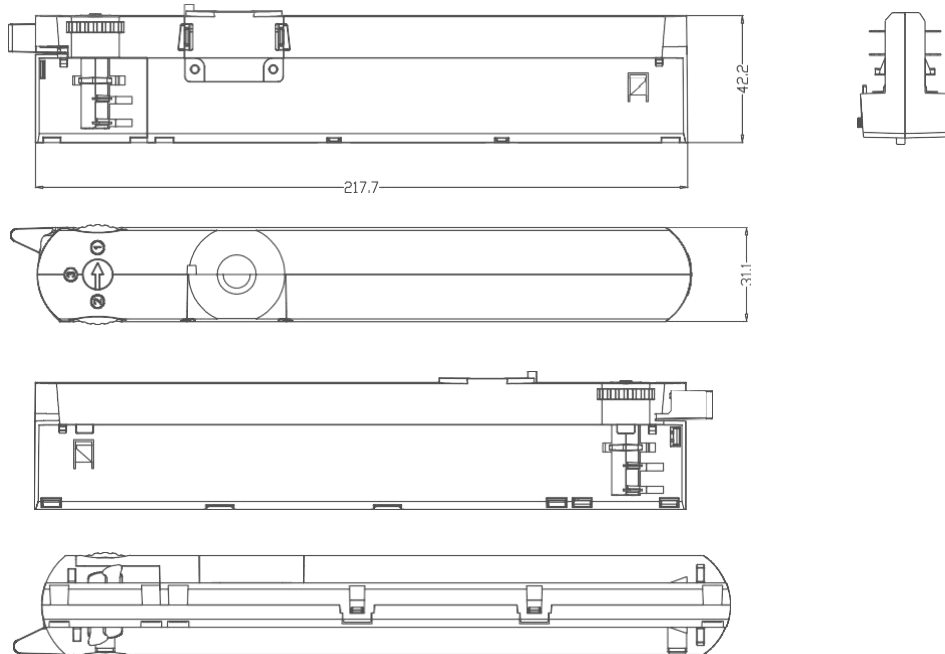


Technical Parameters

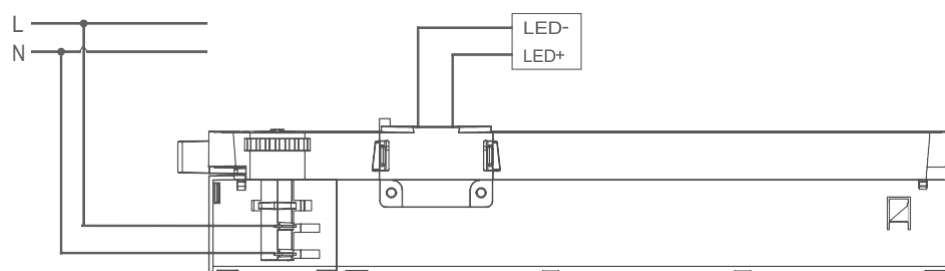
Model	LTP42-1HMC-4XH-W	LTP42-1HMC-4XH-B	LTP42-1HMC-4XH-G		
Input	Efficiency	≥88%@120VAC, ≥89%@230VAC, ≥89%@277VAC, full load)			
	Rated Input Voltage	120VAC-277VAC			
	Range of Input Voltage	100-305VAC			
	Range of D C Input Voltage	180 -280VDC			
	Frequency Range(Hz)	50/60Hz			
	Power	≤48.27W (120VAC, full load)			
	Power Factor	≥0.99 (120VAC, full l oad)			
	THD	≤10% (120VAC, full load)			
	Overvoltage protection	2h@380VAC, 48h@320VAC			
	Input Current	≤0.41A (120VAC, full load)			
	No-load Power Consumption	≤0.5W @230VAC			
	Inrush Current	≤9.5A/16us (120VAC · full load)			
	Connected quantity of 10A Breaker	21pcs/type A ;33pcs/type B ;53pcs/type C@230Vac			
Connected quantity of 16A Breaker	33pcs/type A ;53pcs/type B ;84pcs/type C@230Vac				
Connected quantity of 20A Breaker	41pcs/type A ;66pcs/type B ;105pcs/type C@230Vac				
Output	Current(mA)/Voltage (VDC) Power(W)	300mA/10-42V/3.00-12.60W	350mA/10-42V/3.50-14.70W	400mA/10-42V/4.00-16.80W	450mA/10-42V/4.50-18.90W
		500mA/10-42VV/5.00-21.00W	550mA/10-42V/5.50-23.10W	600mA/10-42V/6.00-25.20W	650mA/10-42V/6.50-27.30W
		700mA/10-42V/7.00-29.40W	750mA/10-42V/7.50-31.50W	800mA/10-42V/8.00-33.60W	850mA/10-40V/8.50-34.00W
		900mA/10-40V/9.00-36.00W	950mA/10-40V/9.50-38.00W	1000mA/10-40V/10.00-40.00W	1050mA/10-40V/10.50-42.00W
	No Load Voltage	59VDC Max.			
	Current Ripple(< 120 Hz)	±5% (Imax-Imin)/(Imax+Imin)			
	PstLM	≤1			
	SVM	≤0.4			
Current Accuracy	±5%				
Started Delay Time	≤0.5S@277VAC, ≤1S@120VAC				
Protection	Short Circuit Protection	Auto Recovery			
	Overload Protection	Auto Recovery (not be hot swap)			
	No-load Protection	Auto Recovery			
	Insulation voltage	3000V 5mA 60S between P-S			
	Insulation resistance	>100M ohm @ 500VDC			
	Leakage current	< 250μA, I/P to O/P or I/P to PE @120V input			

Standards	Safety Standards	UL8750
	EMC Standards	FCC PART 15B
	Performance	EN62384
	Surge	L-N/2KV
Environment	Ta/Operation Temperature	-25...+35°C
	Ts/Storage Temperature	-25...+70°C
	Tc/Enclosure Temperature	70°C
	Humidity	10%. 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	SEC Wire preparation	0.5-1.5 ²
	Dimension	217.7*31.1*42.2mm (L*W* H)
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h Tc=75°C 75000h Tc=70°C 100000h Tc=65°C
	Warranty	5years, F.R. <10000ppm
Remark	1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature. 2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.	

Dimension(mm)



Wiring



Nameplate

White

DREAMOTIV
EUCHIPS

LED Driver

tc:70°C
ta:35°C

LVLE

P _{out}	I _{out}	λ	1	2	3	4	P _{out}	I _{out}	λ	1	2	3	4
12.6	300	0.97	-	-	-	-	29.4	700	0.98	ON	-	-	-
14.7	350	0.97	-	-	-	ON	31.5	750	0.99	ON	-	-	ON
16.8	400	0.98	-	-	ON	-	33.6	800	0.99	ON	-	ON	-
18.9	450	0.98	-	-	ON	ON	34.0	850	0.99	ON	-	ON	ON
21.0	500	0.98	-	ON	-	-	36.0	900	0.99	ON	ON	-	-
23.1	550	0.98	-	ON	-	ON	38.0	950	0.99	ON	ON	-	ON
25.2	600	0.98	-	ON	ON	-	40.0	1000	0.99	ON	ON	ON	-
27.3	650	0.98	-	ON	ON	ON	42.0	1050	0.99	ON	ON	ON	ON

LTP42-1WMC-4X-W
For LED modules only

Constant Current Lighting track adaptors and PRO-04XXX series manufacture by Dongguan Tian Sheng Optic-Tronics Corp.


PRI:120VAC 50/60Hz Max. 0.41A Max. 47W
SEC:300-800mA 10-42VDC
850-1050mA 10-40VDC

U_{out}:59VDC 42W Max. F_{max}:50N ↓

1.To reduce the risk of fire and electric shock, use only with the track system of model PRO-R4XXX series

2. DRY LOCATIONS ONLY

3. POUR EMPLACEMENTS SECS SEULEMENT



Black

DREAMOTIV
EUCHIPS

LED Driver

tc:70°C
ta:35°C

LVLE

P _{out}	I _{out}	λ	1	2	3	4	P _{out}	I _{out}	λ	1	2	3	4
12.6	300	0.97	-	-	-	-	29.4	700	0.98	ON	-	-	-
14.7	350	0.97	-	-	-	ON	31.5	750	0.99	ON	-	-	ON
16.8	400	0.98	-	-	ON	-	33.6	800	0.99	ON	-	ON	-
18.9	450	0.98	-	-	ON	ON	34.0	850	0.99	ON	-	ON	ON
21.0	500	0.98	-	ON	-	-	36.0	900	0.99	ON	ON	-	-
23.1	550	0.98	-	ON	-	ON	38.0	950	0.99	ON	ON	-	ON
25.2	600	0.98	-	ON	ON	-	40.0	1000	0.99	ON	ON	ON	-
27.3	650	0.98	-	ON	ON	ON	42.0	1050	0.99	ON	ON	ON	ON

LTP42-1WMC-4X-B
For LED modules only

Constant Current Lighting track adaptors and PRO-04XXX series manufacture by Dongguan Tian Sheng Optic-Tronics Corp.


PRI:120VAC 50/60Hz Max. 0.41A Max. 47W
SEC:300-800mA 10-42VDC
850-1050mA 10-40VDC

U_{out}:59VDC 42W Max. F_{max}:50N ↓

1.To reduce the risk of fire and electric shock, use only with the track system of model PRO-R4XXX series

2. DRY LOCATIONS ONLY

3. POUR EMPLACEMENTS SECS SEULEMENT



Grey

DREAMOTIV
EUCHIPS

LED Driver

tc:70°C
ta:35°C

LVLE

P _{out}	I _{out}	λ	1	2	3	4	P _{out}	I _{out}	λ	1	2	3	4
12.6	300	0.97	-	-	-	-	29.4	700	0.98	ON	-	-	-
14.7	350	0.97	-	-	-	ON	31.5	750	0.99	ON	-	-	ON
16.8	400	0.98	-	-	ON	-	33.6	800	0.99	ON	-	ON	-
18.9	450	0.98	-	-	ON	ON	34.0	850	0.99	ON	-	ON	ON
21.0	500	0.98	-	ON	-	-	36.0	900	0.99	ON	ON	-	-
23.1	550	0.98	-	ON	-	ON	38.0	950	0.99	ON	ON	-	ON
25.2	600	0.98	-	ON	ON	-	40.0	1000	0.99	ON	ON	ON	-
27.3	650	0.98	-	ON	ON	ON	42.0	1050	0.99	ON	ON	ON	ON

LTP42-1WMC-4X-G
For LED modules only

Constant Current Lighting track adaptors and PRO-04XXX series manufacture by Dongguan Tian Sheng Optic-Tronics Corp.


PRI:120VAC 50/60Hz Max. 0.41A Max. 47W
SEC:300-800mA 10-42VDC
850-1050mA 10-40VDC

U_{out}:59VDC 42W Max. F_{max}:50N ↓

1.To reduce the risk of fire and electric shock, use only with the track system of model PRO-R4XXX series

2. DRY LOCATIONS ONLY

3. POUR EMPLACEMENTS SECS SEULEMENT

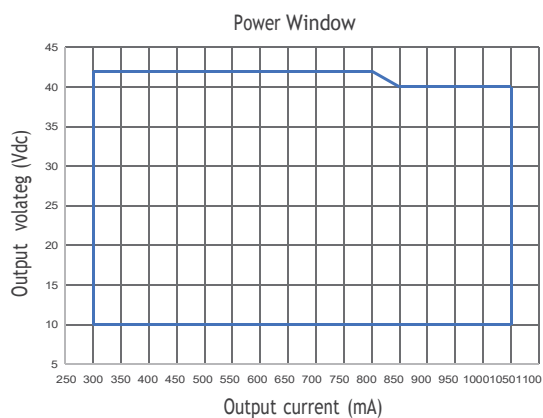


Current Selection Table

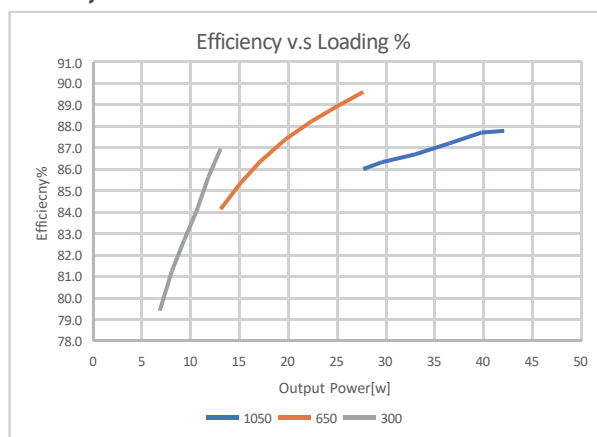
Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

Remark: Function default setting is: 300mA (@switch are all OFF state)

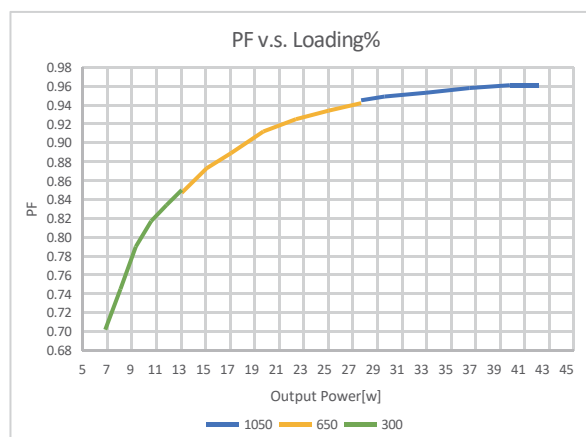
Operating power windows



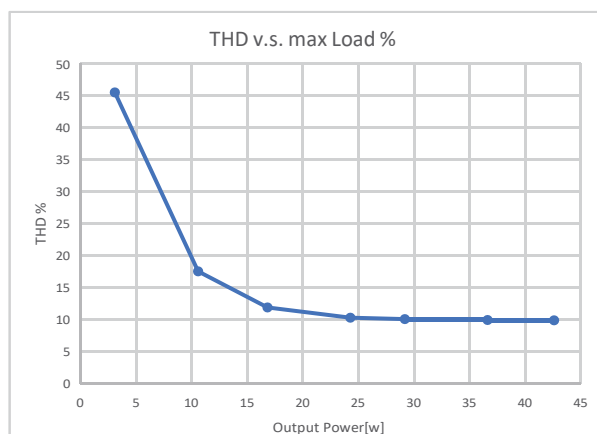
Efficiency v.s. Load



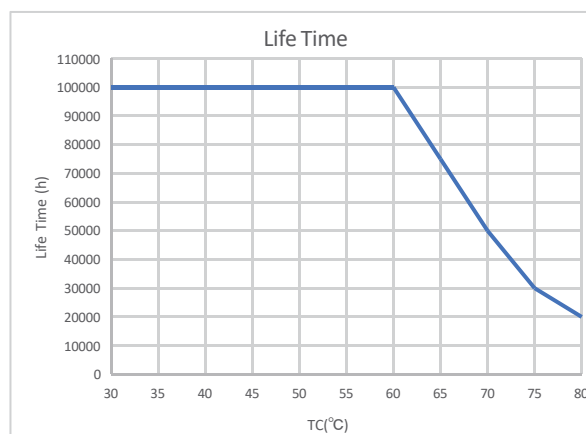
PF v.s. Load



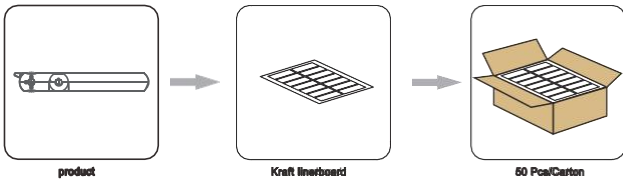
THD v.s. Load



Life time



Packing information



Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
LTP42-1WMC-4X	395*295*125	50	0.141	7.06	7.80

Lamp Screw Type

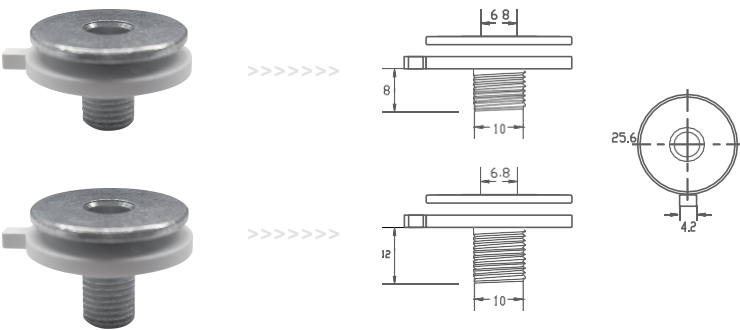
Optional threaded sleeve for luminaire mounting

Suitable for M10×1×8 threaded nut

Additional mounting equipment, e.g. M10×1×12

aluminium, black, white

further on request



Type	Colour	Weight/pcs
M10×1×8	White	0.016 lb
	Black	0.016 lb
	Aluminium	0.016 lb
M10×1×12	White	0.016 lb
	Black	0.016 lb
	Aluminium	0.016 lb

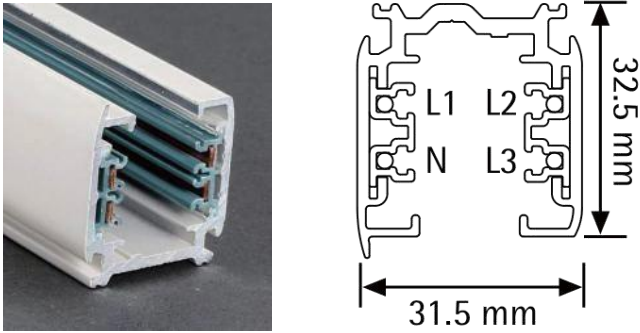
Suitable for following tracks

Serial number	Brand	Track model	Serial number
1	Global	XTS 4&XTSF 4	3P
2	Stucchi	9000XX Series	3P
3	Eutrac	2510x	3P
4	Unipro	T32B	3P
5	Lvela	7501	3P

Remark:

1. The model name is XTS 4 and XTSF 4 tracks, and its brand is Global.
2. The model name used is the 9000XX track, and its brand is Stucchi. The "XX" in the model name represents: it represents a different color.
3. The model name is 2510x tracks, and its brand is Eutrac. The "x" in the model name represents: it represents a different color (x=1 white; x=2 black; x=3 silver; x=8 grey).
4. The model name is T32B tracks and its brand is Unipro.
5. The model name is 7501 tracks, and its brand is Lvela.

Phase track light rail specification:



Lighting track adapter and rail system installation diagram:



The adaptor shall be given that the use is limited to the track system specified.

Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 - 10cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switcgng is not permitted (Except for constant Voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth(sharp edged metals parts, metal cable clips, louver, etc.)