

1.0 Reference and Address			
Report Number	201203011SZN-001	Original Issued: 12-Jan-2021	Revised: 23-Jul-2024
Standard(s)	Luminaires [UL 1598:2021 Ed.5+R:18Jun2021]		
	Luminaires [CSA C22.2#250.0:2021 Ed.5+U1]		
Applicant	Torshare Ltd	Manufacturer 1	Torshare Ltd
Address	5th Minying Road, No. 3 Industrial Area Shuitian Shiyan Town, Bao'an District, SHENZHEN Guangdong 518108	Address	5th Minying Road, No. 3 Industrial Area Shuitian Shiyan Town, Bao'an District, SHENZHEN Guangdong 518108
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Country	VIETNAM		
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FAX	NA		
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2.0 Product Description																															
Product	LED Tri-proof Lamp																														
Brand name	TORSHARE																														
Description	The products covered by this report are surface mounted luminaires which are suitable for wet locations. They are provided with flexible cord for field wiring connection. These models may be provided with factory-installed emergency battery pack but it is not intended for used as emergency lighting.																														
Models	<p>TS-TPL1-4FT40W- followed by H, L or H1; followed by -347-; followed by two numbers; followed by K; may be followed by (MS).</p> <p>TS-TPL1-4FT30W/40W/50W- followed by up to two characters; followed by -TCP; may be followed by (MS).</p> <p>TS-TPL1-4FT30W/40W/50W- followed by up to two characters; followed by -347; followed by -TCP; may be followed by (MS).</p> <p>TS-TPL1-4FT25W/30W/40W- followed by up to two characters; followed by -TCP.</p> <p>TS-TPL1-4FT40W- followed by up to two characters; followed by -; followed by two numbers; followed by K.</p> <p>TS-TPL1-4FT32W- followed by up to two characters; followed by -; followed by two numbers; followed by K; may be followed by (MS).</p> <p>TS-TPL3-2FT20W- followed by up to two characters; followed by -TC; may be followed by (MS).</p> <p>TS-TPL3-4FT50W-, TS-TPL3-8FT70W-, TS-TPL3-2FT25W-, TS-TPL3-4FT80W- or TS-TPL3-8FT100W-; followed by up to two characters; followed by -TCP; may be followed by (MS), (EM) or (EMS).</p> <p>TS-TPL3-4FT40W- or TS-TPL3-8FT70W-; followed by up to two characters; followed by -; followed by two numbers; followed by K.</p> <p>TS-TPL6-4FT50W- followed by up to two characters; followed by -TCP; may be followed by (MS), (EM) or (EMS).</p> <p>TS-TPL3-2FT20W-; followed by up to two characters; followed by -347; followed by -TC; may be followed by (MS), (EM) or (EMS).</p> <p>TS-TPL3-4FT50W- or TS-TPL3-8FT70W-; followed by up to two characters; followed by -347; followed by -TCP; may be followed by (MS), (EM) or (EMS).</p>																														
Model Similarity	<p>All models have similar electrical and mechanical construction. Differences among them are LED driver and wattage.</p> <p>Model TS-TPL1-4FT25W/30W/40W-X-TCP and TS-TPL1-4FT30W/40W/50W-X-TCP are identical except LED driver and LED numbers.</p> <p>Notes:</p> <p>Followed by H, L, H1 and Followed by up to two characters(represents as X in this report), for example, H represents high lighting efficiency; L represents low lighting efficiency; H1 to H9 represents ultra high efficiency;</p> <p>Followed by two numbers(represent as XX in this report), denote color temperature (eg.: XXK=30K, denotes 3000K);</p> <p>May be followed by (MS), (EM), (EMS) (represents as (XX) in this report), (MS) denotes with Motion Sensor; (EM) denote with emergency driver, (EMS) denote with Motion sensor and emergency driver; blank denotes without Motion Sensor and emergency driver.</p> <table border="1" data-bbox="331 1688 1460 2152"> <thead> <tr> <th>Model No.</th> <th>LED quantity(pcs)</th> <th>Length (FT)</th> <th>Weight (kg)</th> </tr> </thead> <tbody> <tr> <td>TS-TPL1-4FT40W-X-347-XXK(XX)</td> <td>280</td> <td>4</td> <td>2.01</td> </tr> <tr> <td>TS-TPL1-4FT30W/40W/50W-X-TCP(XX)</td> <td>616</td> <td>4</td> <td>1.95</td> </tr> <tr> <td>TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX)</td> <td>616</td> <td>4</td> <td>1.95</td> </tr> <tr> <td>TS-TPL1-4FT25W/30W/40W-X-TCP</td> <td>504</td> <td>4</td> <td>2.15</td> </tr> <tr> <td>TS-TPL1-4FT40W-X-XXK</td> <td>280</td> <td>4</td> <td>1.95</td> </tr> <tr> <td>TS-TPL1-4FT32W-X-XXK(XX)</td> <td>280</td> <td>4</td> <td>1.86</td> </tr> </tbody> </table>			Model No.	LED quantity(pcs)	Length (FT)	Weight (kg)	TS-TPL1-4FT40W-X-347-XXK(XX)	280	4	2.01	TS-TPL1-4FT30W/40W/50W-X-TCP(XX)	616	4	1.95	TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX)	616	4	1.95	TS-TPL1-4FT25W/30W/40W-X-TCP	504	4	2.15	TS-TPL1-4FT40W-X-XXK	280	4	1.95	TS-TPL1-4FT32W-X-XXK(XX)	280	4	1.86
Model No.	LED quantity(pcs)	Length (FT)	Weight (kg)																												
TS-TPL1-4FT40W-X-347-XXK(XX)	280	4	2.01																												
TS-TPL1-4FT30W/40W/50W-X-TCP(XX)	616	4	1.95																												
TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX)	616	4	1.95																												
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TS-TPL1-4FT40W-X-XXK	280	4	1.95																												
TS-TPL1-4FT32W-X-XXK(XX)	280	4	1.86																												

2.0 Product Description				
	TS-TPL3-2FT20W-X-TC(XX)	392	2	1.34
	TS-TPL3-4FT50W-X-TCP(XX)	896	4	2.83
	TS-TPL3-8FT70W-X-TCP(XX)	1792 or 1800	8	5.22
	TS-TPL3-4FT40W-X-XXK	448	4	2.12
	TS-TPL3-8FT70W-X-XXK	896	8	4.31
	TS-TPL6-4FT50W-X-TCP(XX)	720	4	2.75
	TS-TPL3-2FT25W-X-TCP(XX)	392	2	1.37
	TS-TPL3-4FT80W-X-TCP(XX)	896	4	2.73
	TS-TPL3-8FT100W-X-TCP(XX)	896	8	5.49
	TS-TPL3-2FT20W-X-347-TC(XX)	392	2	1.35
	TS-TPL3-4FT50W-X-347-TCP(XX)	896	4	2.16
	TS-TPL3-8FT70W-X-347-TCP(XX)	896	8	5.47
Ratings	Model No.	Input voltage(V)/ frequency(Hz)	Wattage (W) Max.	LED driver
	TS-TPL1-4FT40W-X-347-XXK(XX)	100-347Vac, 50/60Hz	40	FS-TMF015B0310TCH-12V
	TS-TPL1-4FT30W/40W/50W-X-TCP	120-277Vac, 50/60Hz	50	BQE46G-1100-43-PV-S1S2, FS-TMG041B1100TCCP, FS-TMG041B1100TWCP
	TS-TPL1-4FT30W/40W/50W-X-TCP(MS)			FS-TMG041B1100TCCP-12V, FS-TMG041B1100TWCP-12V
	TS-TPL1-4FT30W/40W/50W-X-347-TCP	120-347Vac, 50/60Hz	50	FS-TMG050B1100TWCPH
	TS-TPL1-4FT30W/40W/50W-X-347-TCP(MS)			FS-TMG050B1100TWCPH-12V
	TS-TPL1-4FT25W/30W/40W-X-TCP	120-277Vac, 50/60Hz	40	FS-TMG023B0880TWCP-12V
	TS-TPL1-4FT40W-X-XXK	120-277Vac, 50/60Hz	40	FS-TMF015B0310TC
	TS-TPL1-4FT32W-X-XXK	120-277Vac, 50/60Hz	32	FS-TMG041B0700TW
	TS-TPL1-4FT32W-X-XXK(MS)			FS-TMG041B0700TW-12V
	TS-TPL3-2FT20W-X-TC	120-277Vac, 50/60Hz	20	FS-TMG041B0450TWC
				FS-TMG041B0450TCC
	TS-TMG041B0450TCC-12V			
	TS-TPL3-2FT20W-X-TC(MS)			FS-TMG041B0450TCC-12V
	TS-TPL3-4FT50W-X-TCP	120-277Vac, 50/60Hz	50	FS-TMG041B1100TWCP
				FS-TMG041B1100TCCP
FS-TMG058B1100TCCP6				
FS-TMG058B1100TWCP6				
TS-TPL3-4FT50W-X-TCP(MS)	120-277Vac, 50/60Hz	50	FS-TMG041B1100TWCP-12V	
			FS-TMG041B1100TCCP-12V	
			FS-TMG058B1100TCCP6-12V	
			FS-TMG058B1100TWCP6-12V	

2.0 Product Description				
TS-TPL3-4FT50W-X-TCP(EM)	120-277Vac, 50/60Hz	50	FS-TMG041B1100TWCP+ YH28FA-09VL	
			FS-TMG058B1100TCCP6+ BLD-CM08E-YYY	
TS-TPL3-4FT50W-X-TCP(EMS)	120-277Vac, 50/60Hz	50	FS-TMG058B1100TWCP6+ BLD-CM08E-YYY	
			FS-TMG041B1100TWCP- 12V+YH28FA-09VL	
			FS-TMG058B1100TCCP6- 12V+BLD-CM08E-YYY	
TS-TPL3-8FT70W-X-TCP	120-277Vac, 50/60Hz	70	FS-TMG039B1520TWCP	
			FS-TMG039B1520TCCP	
TS-TPL3-8FT70W-X-TCP(MS)	120-277Vac, 50/60Hz	70	FS-TMG039B1520TWCP-12V	
			FS-TMG039B1520TCCP-12V	
TS-TPL3-8FT70W-X-TCP(EM)	120-277Vac, 50/60Hz	70	FS-TMG039B1520TWCP+ YH28FA-09VL	
TS-TPL3-8FT70W-X-TCP(EMS)			FS-TMG039B1520TWCP- 12V+YH28FA-09VL	
TS-TPL3-4FT40W-X-XXK	120-277Vac, 50/60Hz	40	FS-TMG041B0880TW	
TS-TPL3-8FT70W-X-XXK		70	FS-TMG039B1520TW	
TS-TPL6-4FT50W-X-TCP	120-277Vac, 50/60Hz	50	FS-TMG050B1050TC	
			FS-TMG050B1050TC-12V	
TS-TPL6-4FT50W-X-TCP(MS)	120-277Vac, 50/60Hz	50	FS-TMG050B1050TW	
			FS-TMG050B1050TW-12V	
TS-TPL6-4FT50W-X-TCP(EM)	120-277Vac, 50/60Hz	50	FS-TMG050B1050TC-12V	
			FS-TMG050B1050TW-12V	
TS-TPL6-4FT50W-X-TCP(EMS)	120-277Vac, 50/60Hz	50	FS-TMG050B1050TC+ BLD-CM08D-056A	
			FS-TMG050B1050TC-12V+ BLD-CM08D-056A	
TS-TPL6-4FT50W-X-TCP(EM)	120-277Vac, 50/60Hz	50	FS-TMG050B1050TW+ BLD-CM08D-056A	
			FS-TMG050B1050TW-12V+ BLD-CM08D-056A	
TS-TPL6-4FT50W-X-TCP(EMS)	120-277Vac, 50/60Hz	50	FS-TMG050B1050TC-12V+ BLD-CM08D-056A	
			FS-TMG050B1050TW-12V+ BLD-CM08D-056A	
TS-TPL3-2FT25W-X-TCP	120-277Vac, 50/60Hz	25	FS-TMG058B0550TCCP6	
TS-TPL3-2FT25W-X-TCP(MS)			FS-TMG058B0550TWCP6	
TS-TPL3-2FT25W-X-TCP(EM)	120-277Vac, 50/60Hz	25	FS-TMG058B0550TCCP6- 12V	
			FS-TMG058B0550TWCP6- 12V	
TS-TPL3-2FT25W-X-TCP(EMS)	120-277Vac, 50/60Hz	25	FS-TMG058B0550TCCP6+ BLD-CM08E-YYY	
			FS-TMG058B0550TWCP6+ BLD-CM08E-YYY	
TS-TPL3-2FT25W-X-TCP(EM)	120-277Vac, 50/60Hz	25	FS-TMG058B0550TCCP6- 12V+BLD-CM08E-YYY	
			FS-TMG058B0550TWCP6- 12V+BLD-CM08E-YYY	

2.0 Product Description				
TS-TPL3-4FT80W-X-TCP	120-277Vac, 50/60Hz	80	MAR096F1850U-NLG0P	
TS-TPL3-4FT80W-X-TCP(MS)			MAR096F1850U-YLG0P	
TS-TPL3-4FT80W-X-TCP(EM)			MAR096F1850U-NLG0P+ BLD-CM08E-YYY	
TS-TPL3-4FT80W-X-TCP(EMS)			MAR096F1850U-YLG0P+ BLD-CM08E-YYY	
TS-TPL3-8FT100W-X-TCP	120-277Vac, 50/60Hz	100	MAR096F2250U-NLG0P	
TS-TPL3-8FT100W-X-TCP(MS)			MAR096F2250U-YLG0P	
TS-TPL3-8FT100W-X-TCP(EM)			MAR096F2250U-NLG0P+ BLD-CM08E-YYY	
TS-TPL3-8FT100W-X-TCP(EMS)			MAR096F2250U-YLG0P+ BLD-CM08E-YYY	
TS-TPL3-2FT20W-X-347-TC	120-347Vac, 50/60Hz	20	FS-TMG050B0450TCCH	
			FS-TMG050B0450TWCH	
TS-TPL3-2FT20W-X-347-TC(MS)			FS-TMG050B0450TCCH-12V	
			FS-TMG050B0450TWCH-12V	
TS-TPL3-2FT20W-X-347-TC(EM)			FS-TMG050B0450TCCH +YH28-08WL-50-X	
			FS-TMG050B0450TWCH +YH28-08WL-50-X	
TS-TPL3-2FT20W-X-347-TC(EMS)			FS-TMG050B0450TCCH- 12V+YH28-08WL-50-X	
			FS-TMG050B0450TWCH- 12V+YH28-08WL-50-X	
TS-TPL3-4FT50W-X-347-TCP	120-347Vac, 50/60Hz	50	FS-TMG050B1100TCCPH	
			FS-TMG050B1100TWCPH	
TS-TPL3-4FT50W-X-347-TCP(MS)			FS-TMG050B1100TCCPH- 12V	
			FS-TMG050B1100TWCPH- 12V	
TS-TPL3-4FT50W-X-347-TCP(EM)			FS-TMG050B1100TCCPH +YH28-08WL-50-X	
			FS-TMG050B1100TWCPH +YH28-08WL-50-X	
TS-TPL3-4FT50W-X-347- TCP(EMS)			FS-TMG050B1100TCCPH- 12V+YH28-08WL-50-X	
			FS-TMG050B1100TWCPH- 12V+YH28-08WL-50-X	
TS-TPL3-8FT70W-X-347-TCP	120-347Vac, 50/60Hz	70	BQ-82A-1600-48-D	
TS-TPL3-8FT70W-X-347-TCP(MS)			BQ-82A-1600-48-AD	
TS-TPL3-8FT70W-X-347-TCP(EM)			BQ-82A-1600-48-D +YH28-08WL-50-X	
TS-TPL3-8FT70W-X-347- TCP(EMS)			BQ-82A-1600-48-AD +YH28-08WL-50-X	

2.0 Product Description	
Other Ratings	<p>Ta=40°C for models TS-TPL1-4FT40W-X-347-XXK(XX), TS-TPL1-4FT30W/40W/50W-X-TCP, TS-TPL1-4FT25W/30W/40W-X-TCP.</p> <p>Ta=45°C for models TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), TS-TPL1-4FT32W-X-XXK(XX), TS-TPL1-4FT40W-X-XXK, TS-TPL3-2FT20W-X-TC, TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK.</p> <p>TS-TPL1-4FT30W/40W/50W-X-TCP(XX), TS-TPL6-4FT50W-X-TCP(XX), TS-TPL3-2FT25W-X-TCP(XX), TS-TPL3-4FT80W-X-TCP(XX), TS-TPL3-8FT100W-X-TCP(XX), TS-TPL3-2FT20W-X-347-TC(XX), TS-TPL3-4FT50W-X-347-TCP(XX), TS-TPL3-8FT70W-X-347-TCP(XX).</p> <p>TS-TPL6-4FT50W-X-TCP(XX): Max. interconnected units 4.</p>

3.0 Product Photographs

Photo 1 - External view of models TS-TPL1-4FT40W-X-347-XXK(XX) , TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.

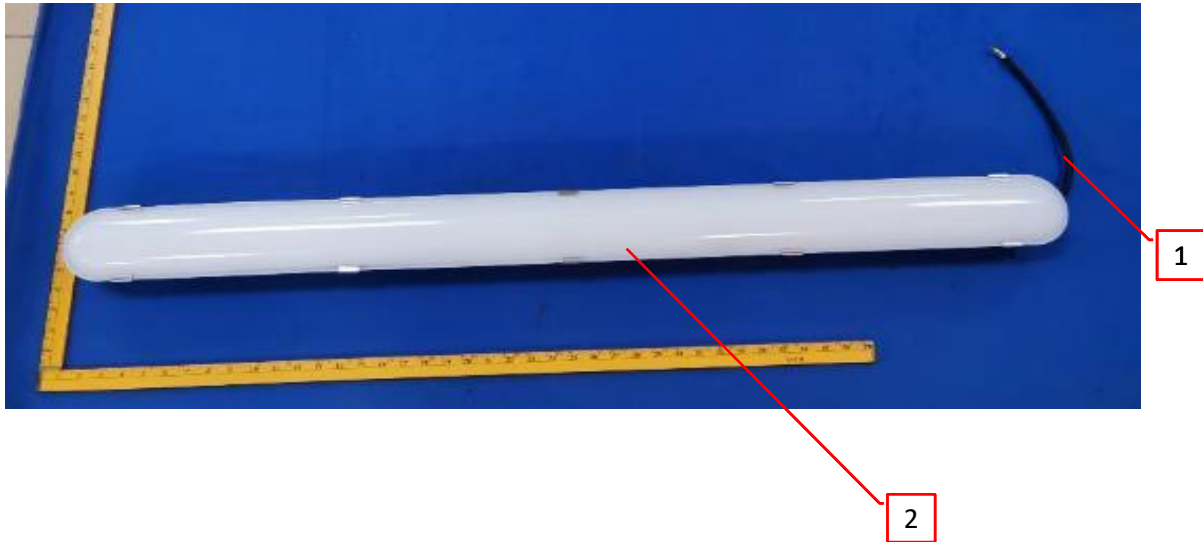


Photo 2 - Rear view of models TS-TPL1-4FT40W-X-347-XXK(XX), TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.

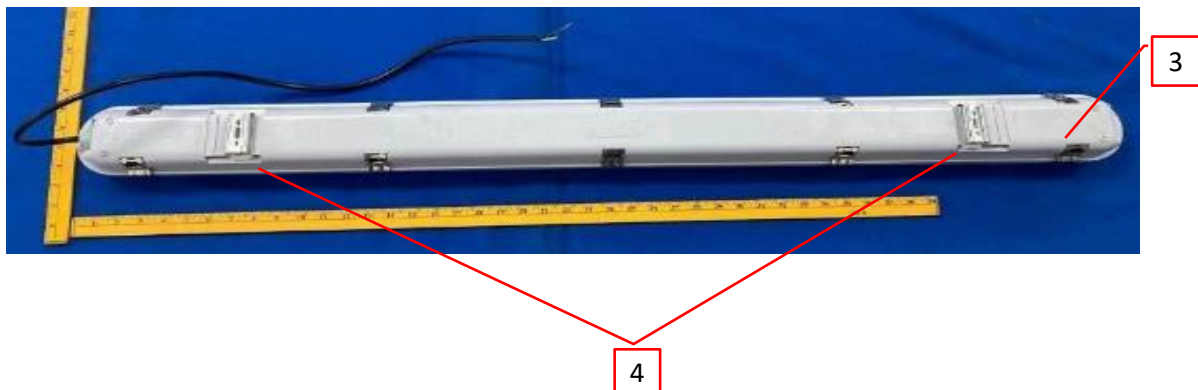


Photo 3 - Side view of models TS-TPL1-4FT40W-X-347-XXK(XX), TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.



3.0 Product Photographs

Photo 4 - Internal view of model TS-TPL1-4FT30W/40W/50W-X-TCP(XX), it also represents model TS-TPL1-4FT40W-X-347-XXK(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.

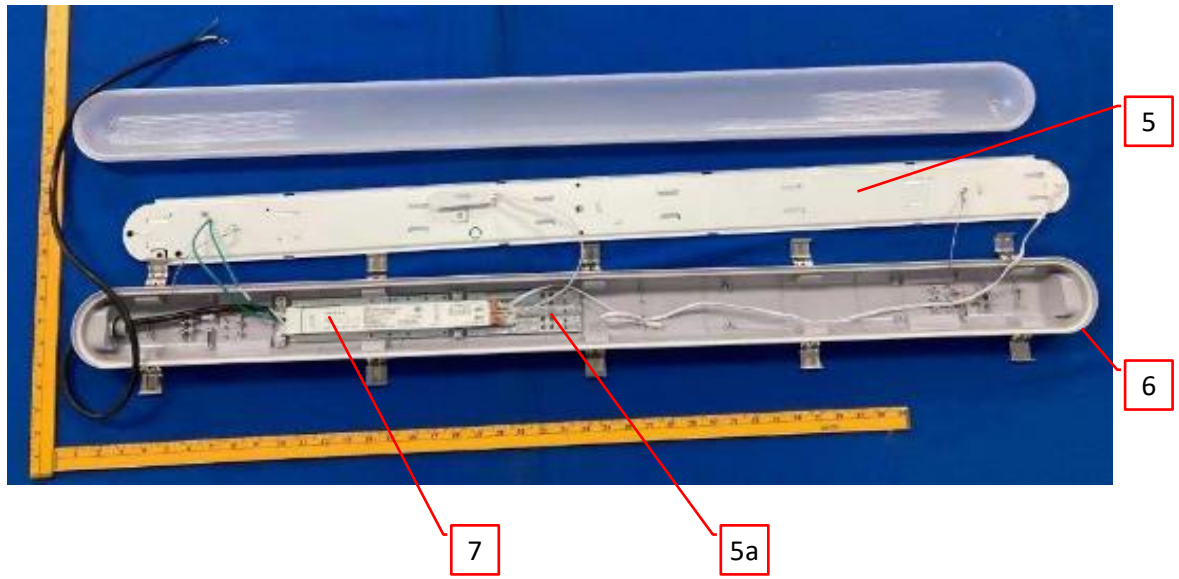
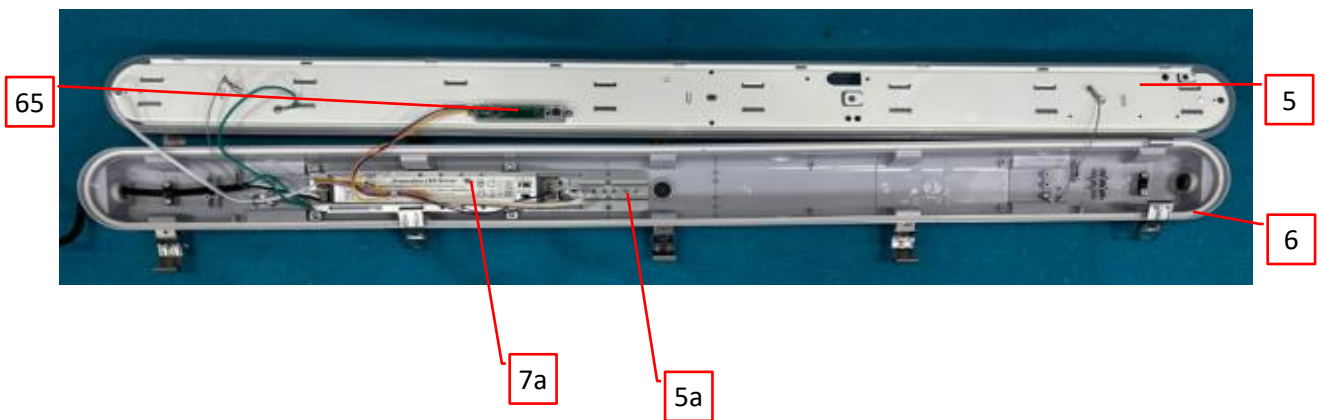


Photo 4a - Internal view of model TS-TPL1-4FT30W/40W/50W-X-TCP(MS)



3.0 Product Photographs

Photo 5 - Explosive view of model TS-TPL1-4FT40W-X-347-XXK(XX), it also represents model TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.

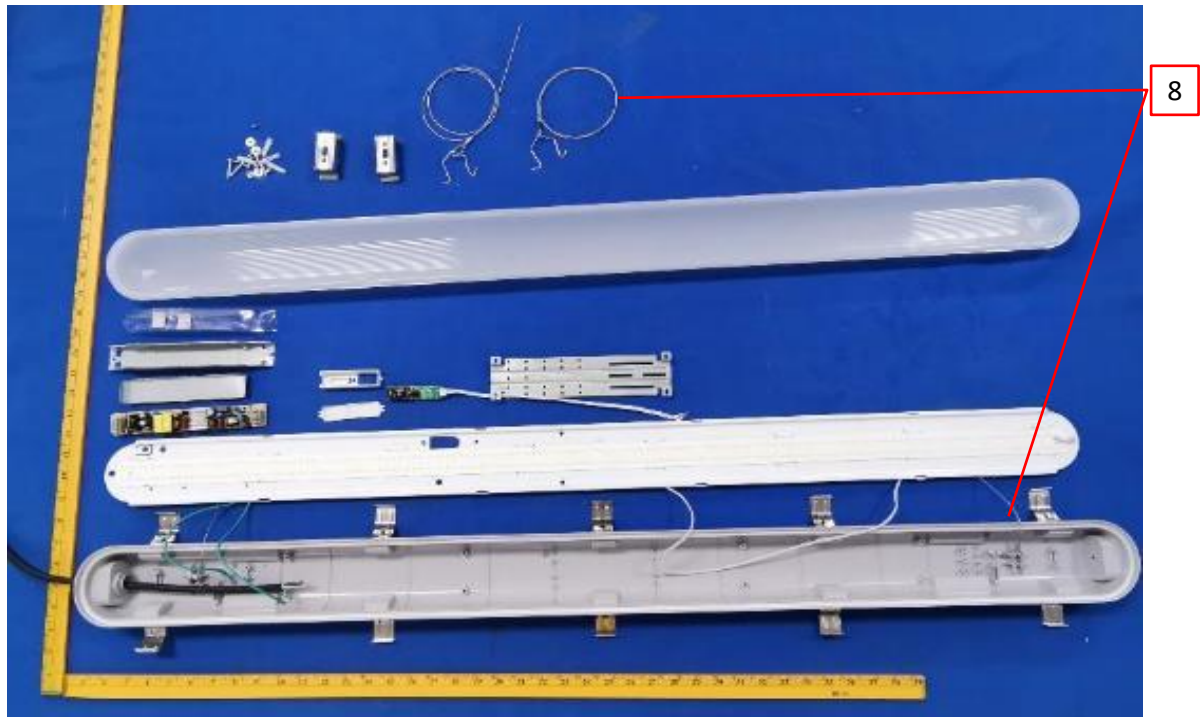
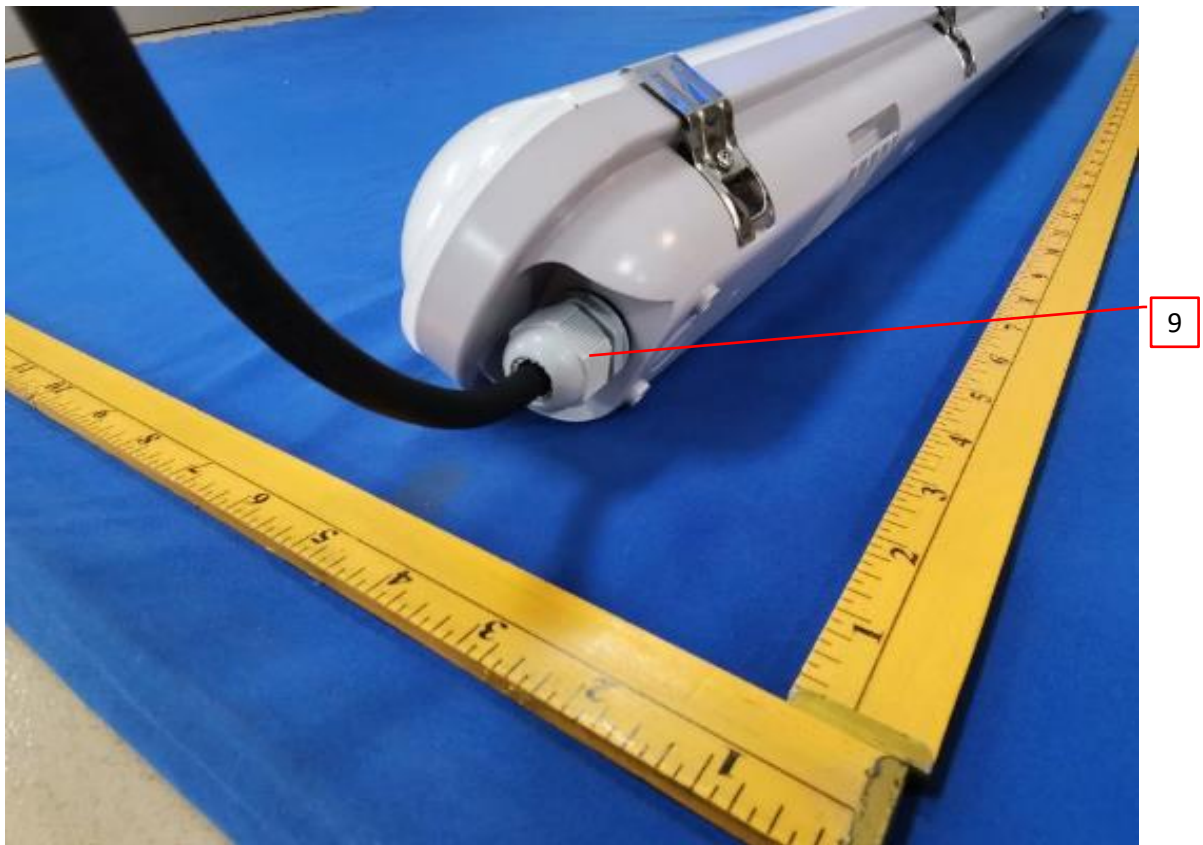


Photo 6 - Gland view of models TS-TPL1-4FT40W-X-347-XXK(XX) , TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.



3.0 Product Photographs

Photo 7 - Internal view of gland

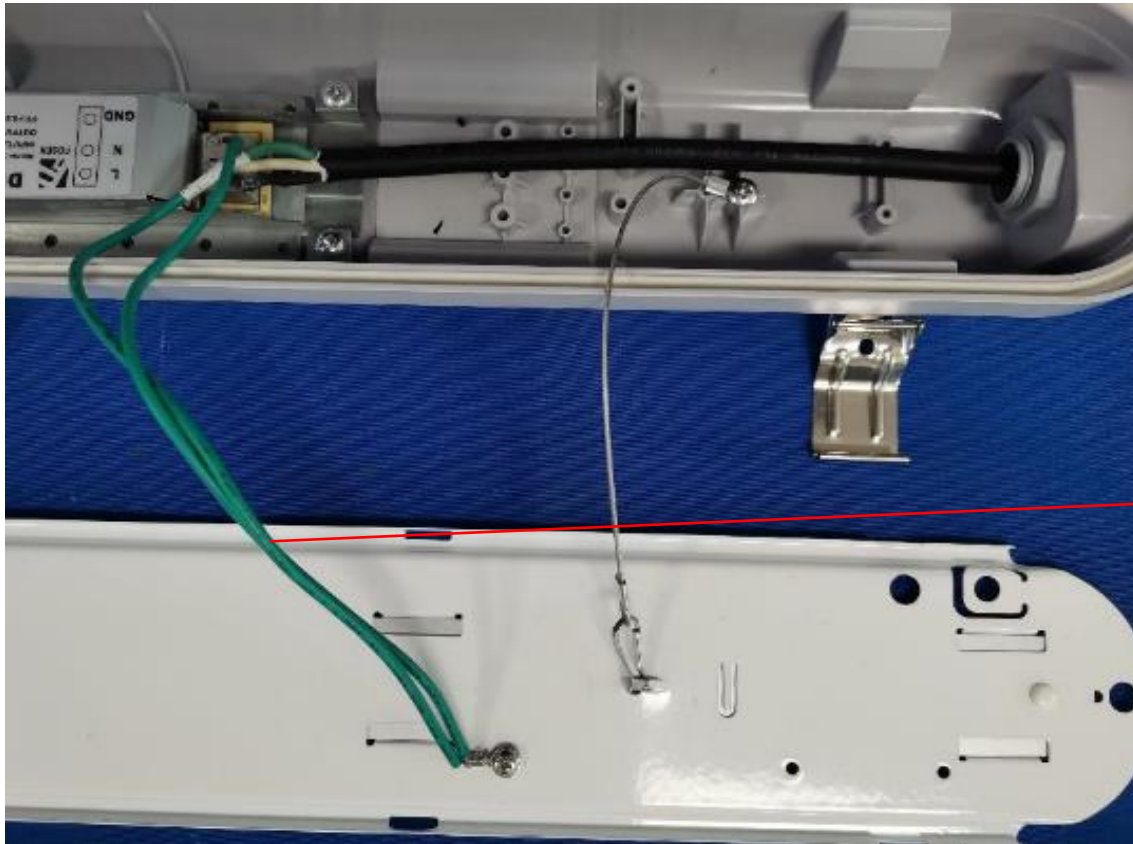


Photo 8 - Close-up view of models TS-TPL1-4FT40W-X-347-XXK(XX) , TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.



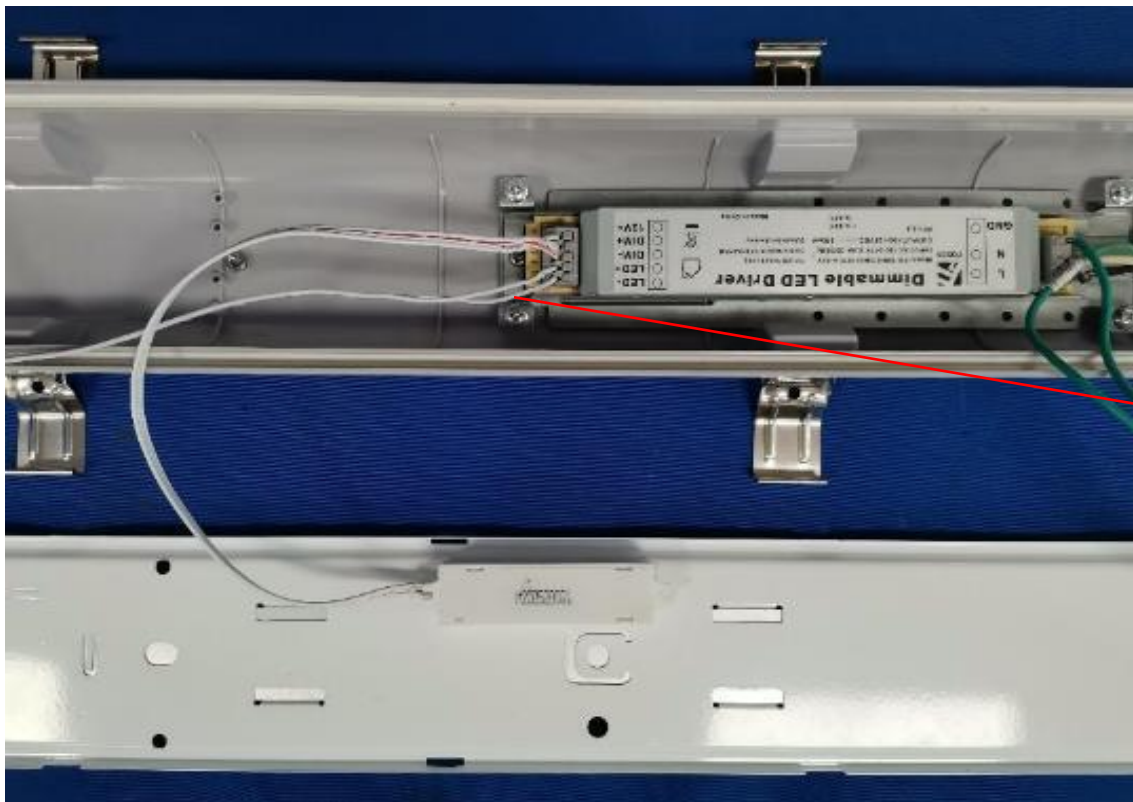
3.0 Product Photographs

Photo 9 - Bonding view of models TS-TPL1-4FT40W-X-347-XXK(XX), TS-TPL1-4FT30W/40W/50W-X-TCP(XX) and TS-TPL1-4FT25W/30W/40W-X-TCP.



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Photo 10 - Sensor view



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3.0 Product Photographs

Photo 11 - Internal view of sensor model MC090D RC

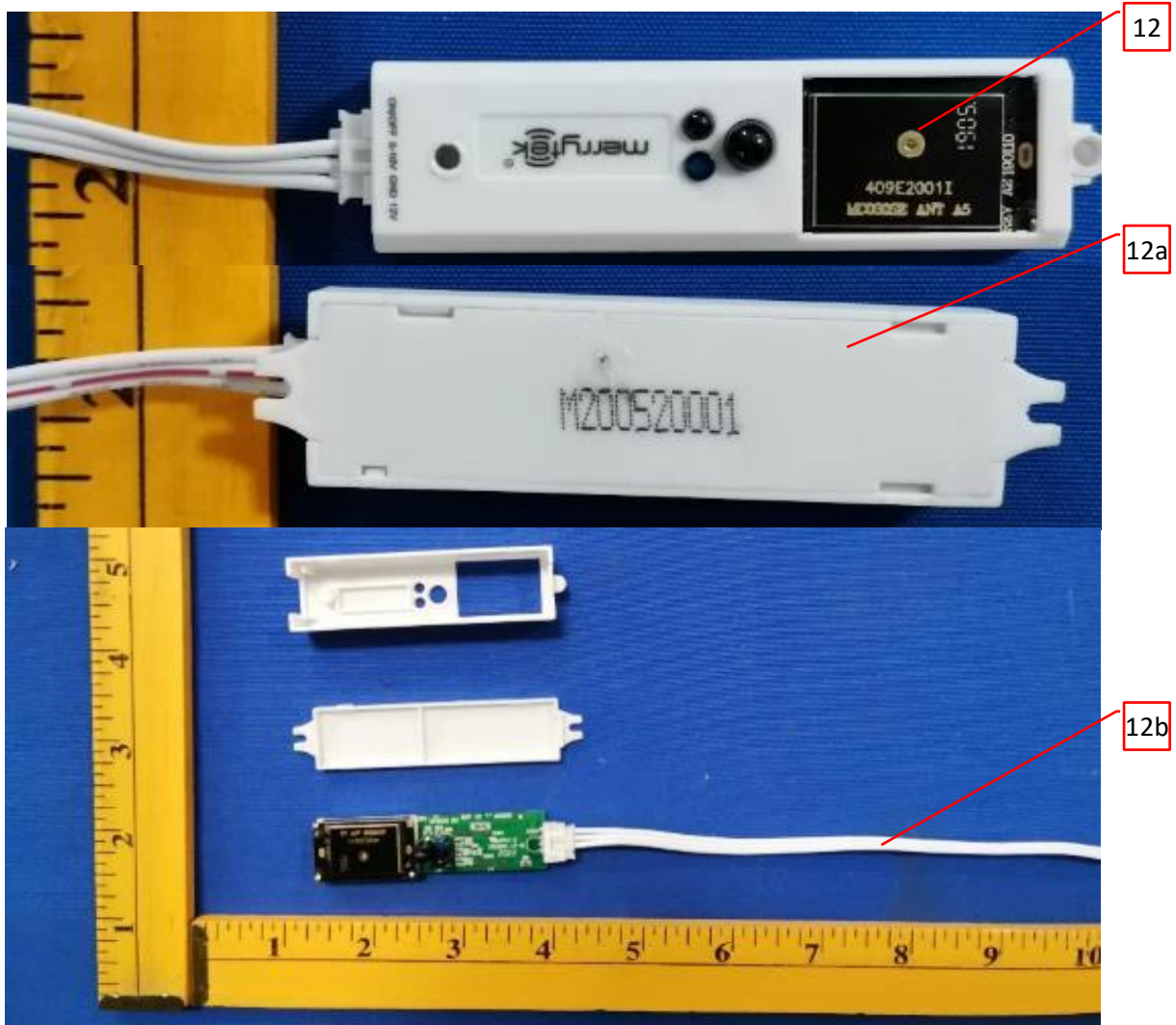
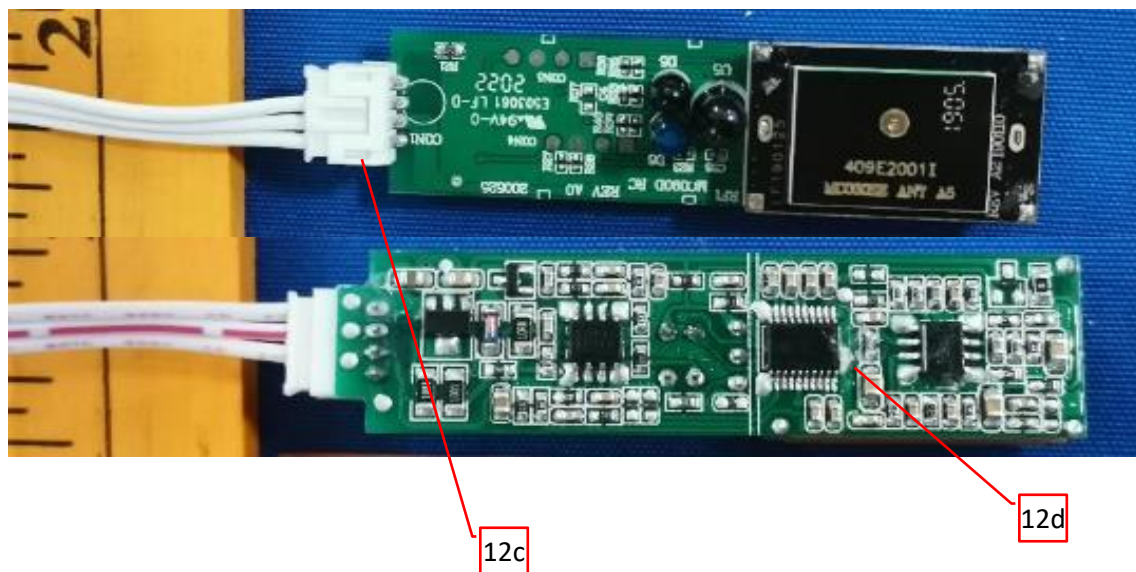


Photo 12 - Sensor PCB view of sensor model MC090D RC



3.0 Product Photographs

Photo 12a - Alternative Sensor PCB view of sensor model MC090D RC



Photo 12b - External view of Alternative sensor-2

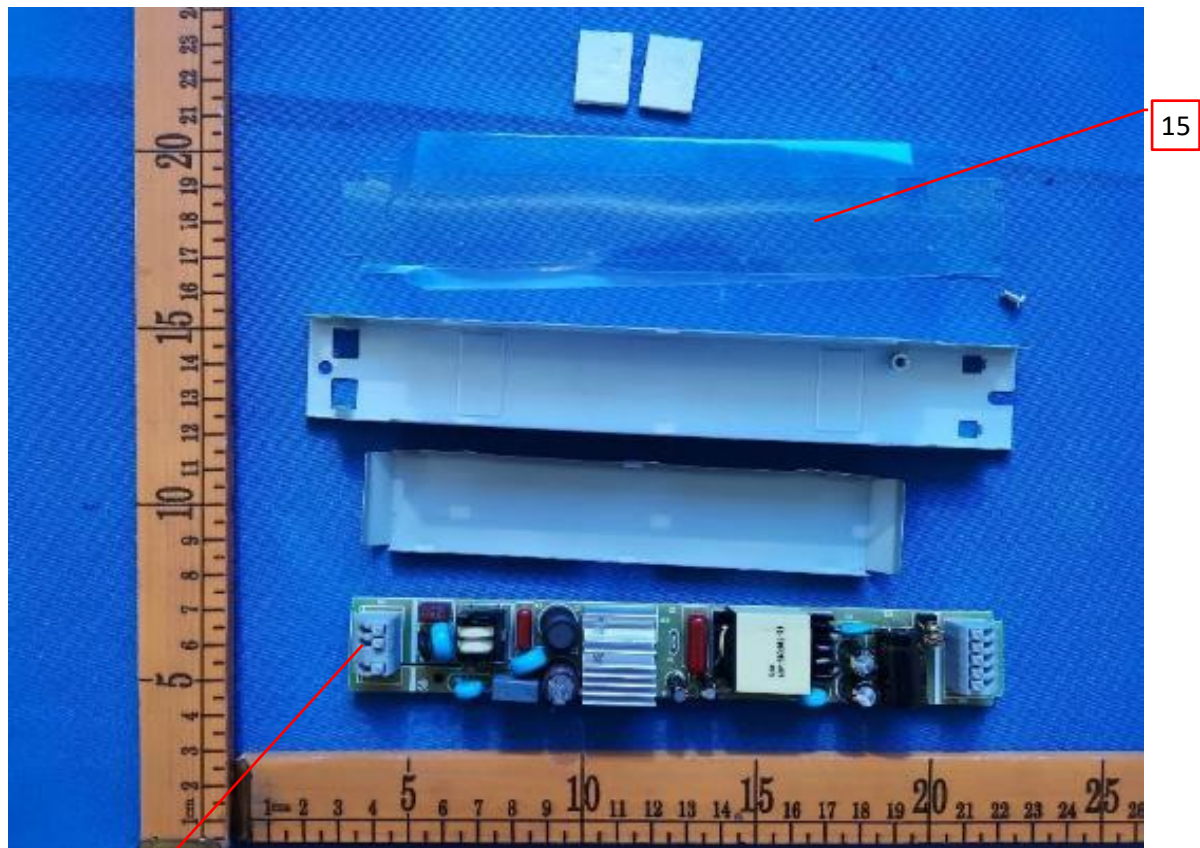


3.0 Product Photographs

Photo 13 - LED driver 1 view of model TS-TPL1-4FT40W-X-347-XXK(XX)



Photo 14 - Internal view of LED driver 1



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3.0 Product Photographs

Photo 15 - Component side view of LED driver 1

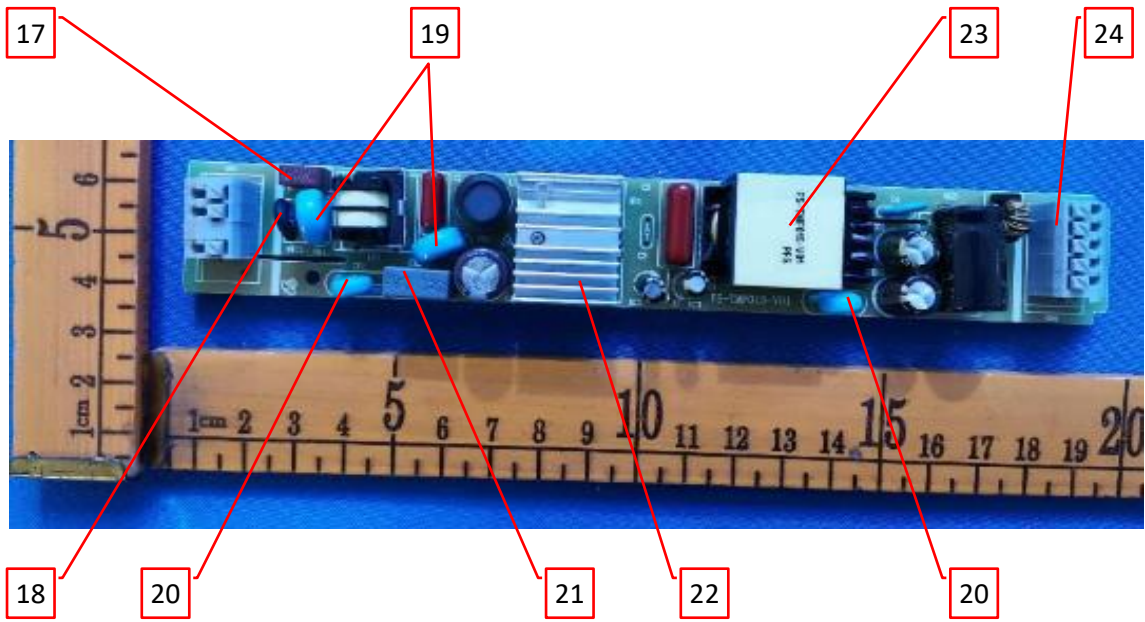
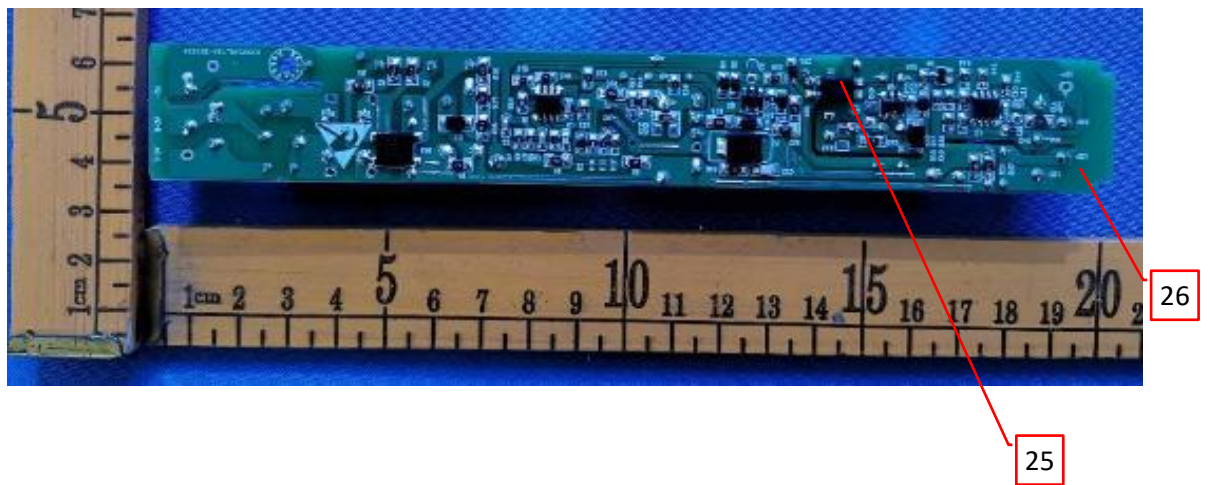


Photo 16 - Trace side view of LED driver 1

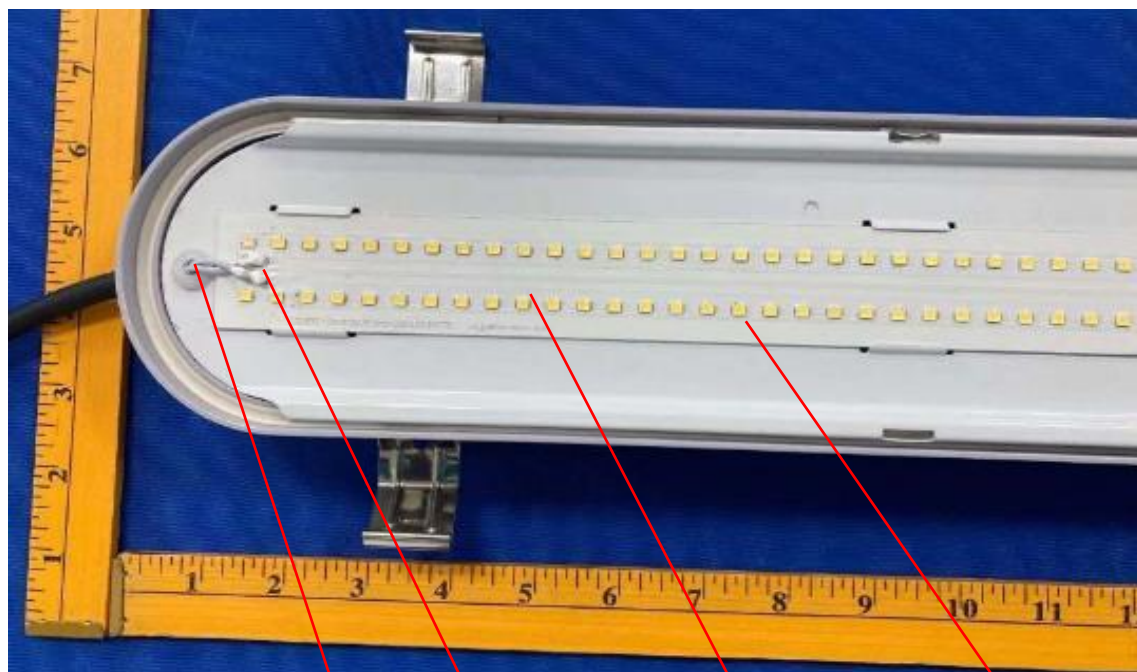


3.0 Product Photographs

Photo 17 - Transformer view of LED driver 1



Photo 18 - LED PCB view of model TS-TPL1-4FT40W-X-347-XXK(XX)



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3.0 Product Photographs

Photo 19 - LED PCB view of model TS-TPL1-4FT30W/40W/50W-X-TCP(XX)



Photo 20 - LED PCB view of model TS-TPL1-4FT25W/30W/40W-X-TCP



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Photo 21 - LED driver 3 view of model TS-TPL1-4FT25W/30W/40W-X-TCP.



Photo 22 - Internal view of LED driver 2.



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Photo 23 - Component side view of LED driver 3.

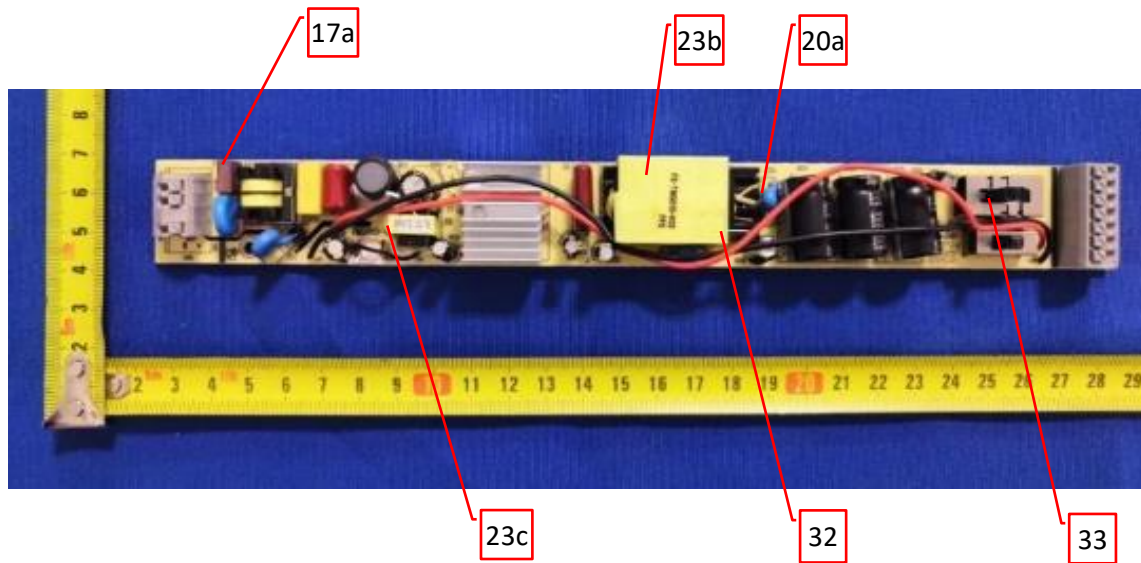
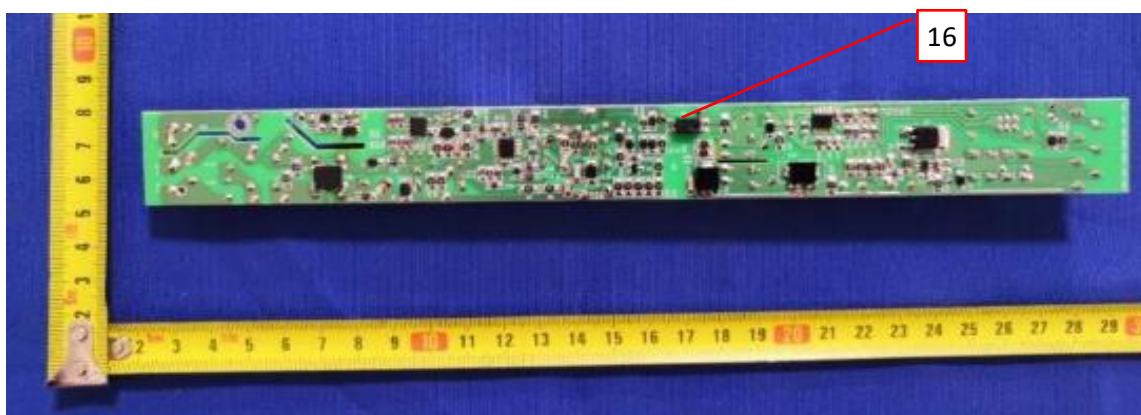


Photo 24 - Trace side view of LED driver 3.



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Photo 25 - Transformer-1 view of LED driver 3.



Photo 26 - Transformer-2 view of LED driver 3.

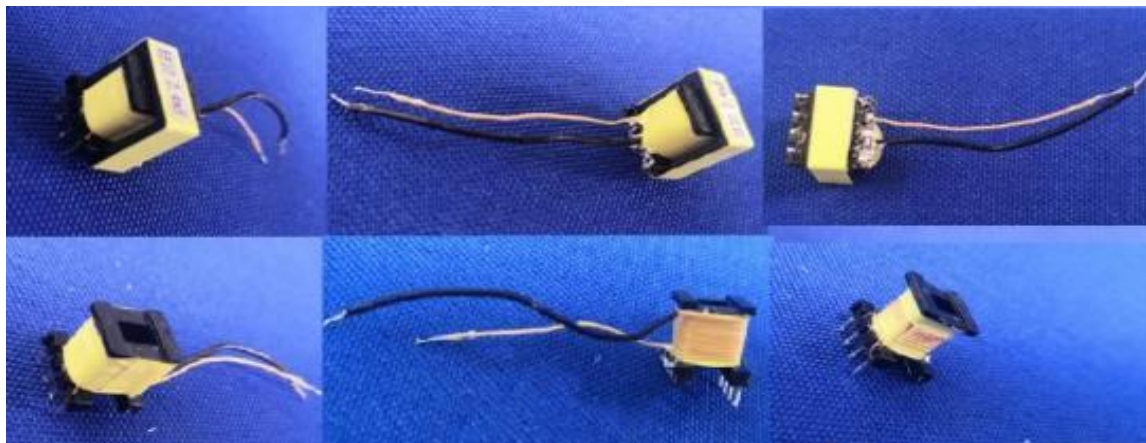
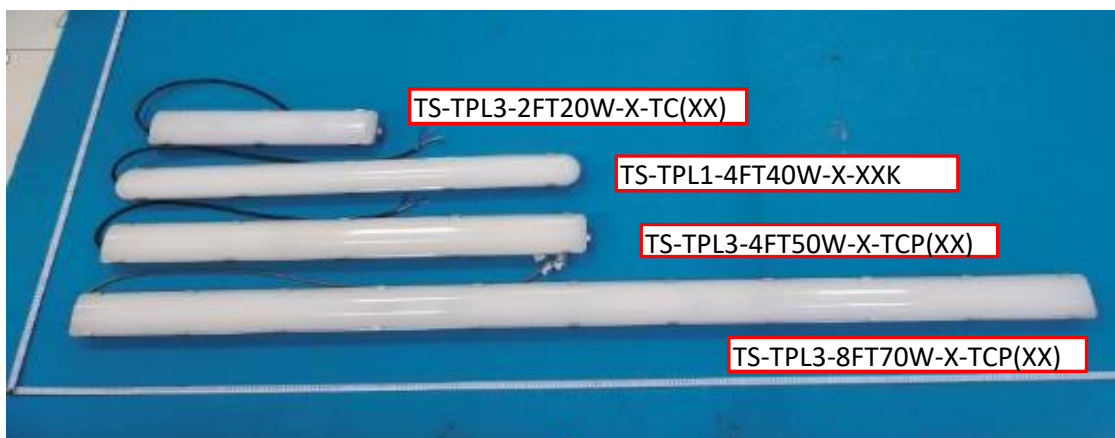


Photo 27 - External view of models TS-TPL3-2FT20W-X-TC(XX), TS-TPL1-4FT40W-X-XXK, TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX).



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Photo 28 - External view of models TS-TPL3-2FT20W-X-TC(XX), TS-TPL1-4FT40W-X-XXK, TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX).

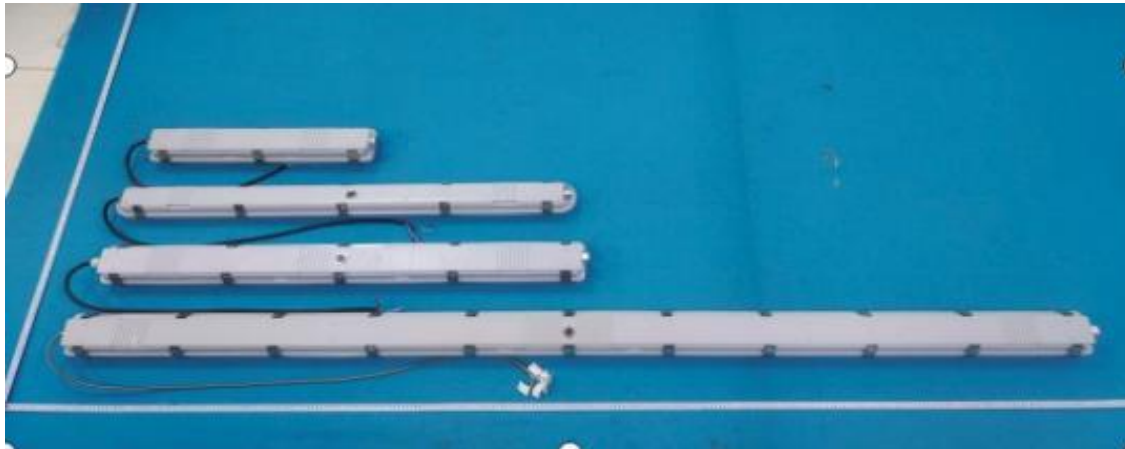


Photo 29 - External view of model TS-TPL1-4FT40W-X-XXK, also represent of models TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK, TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), TS-TPL1-4FT32W-X-XXK(XX), TS-TPL3-2FT25W-X-TCP(XX), TS-TPL3-4FT80W-X-TCP(XX), TS-TPL3-8FT100W-X-TCP(XX), TS-TPL3-2FT20W-X-347-TC(XX), TS-TPL3-4FT50W-X-347-TCP(XX), TS-TPL3-8FT70W-X-347-TCP(XX)



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Photo 29a - External view of model TS-TPL1-4FT40W-X-XXK, also represent of models TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK, TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), TS-TPL1-4FT32W-X-XXK(XX), TS-TPL3-2FT25W-X-TCP(XX), TS-TPL3-4FT80W-X-TCP(XX), TS-TPL3-8FT100W-X-TCP(XX), TS-TPL3-2FT20W-X-347-TC(XX), TS-TPL3-4FT50W-X-347-TCP(XX), TS-TPL3-8FT70W-X-347-TCP(XX)

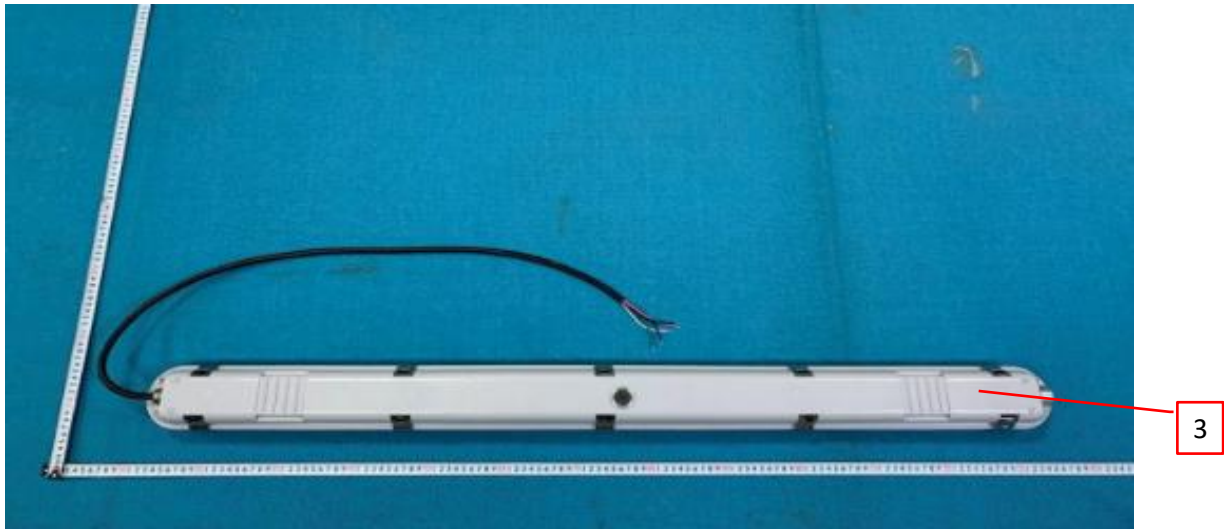
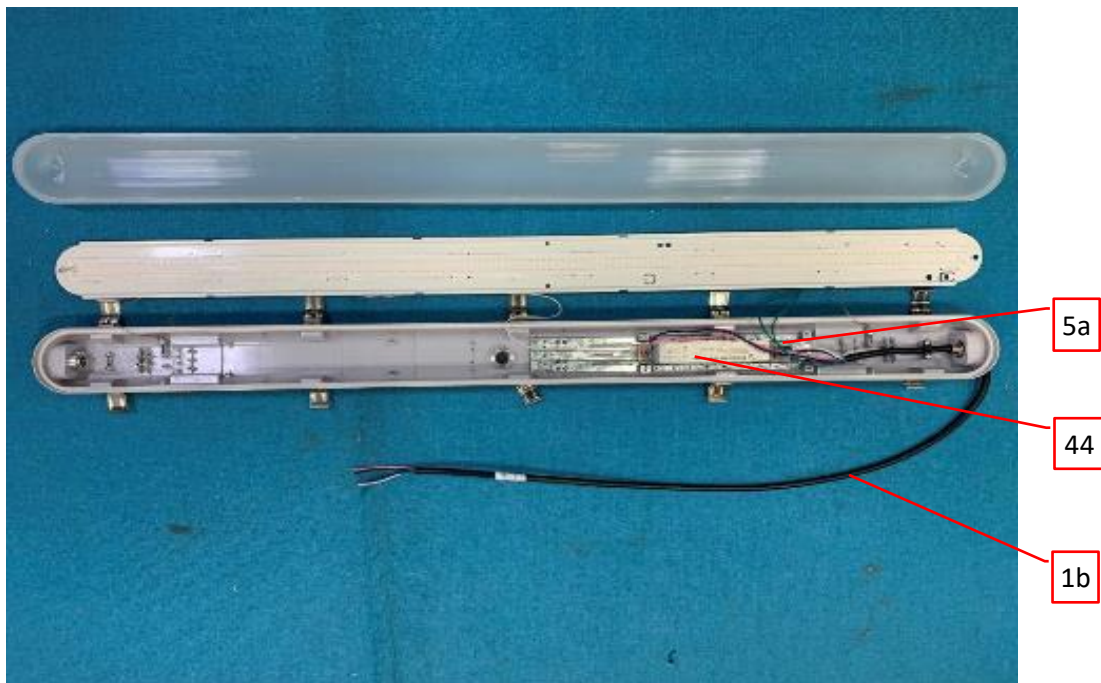


Photo 29b - Internal view of model TS-TPL1-4FT40W-X-XXK, also represent for models TS-TPL3-4FT50W-X-TCP · TS-TPL3-8FT70W-X-TCP, TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK



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Photo 30 - Bonding and internal view of models TS-TPL1-4FT140W-X-XXK, also represent of model TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK, TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), TS-TPL1-4FT32W-X-XXK(XX)

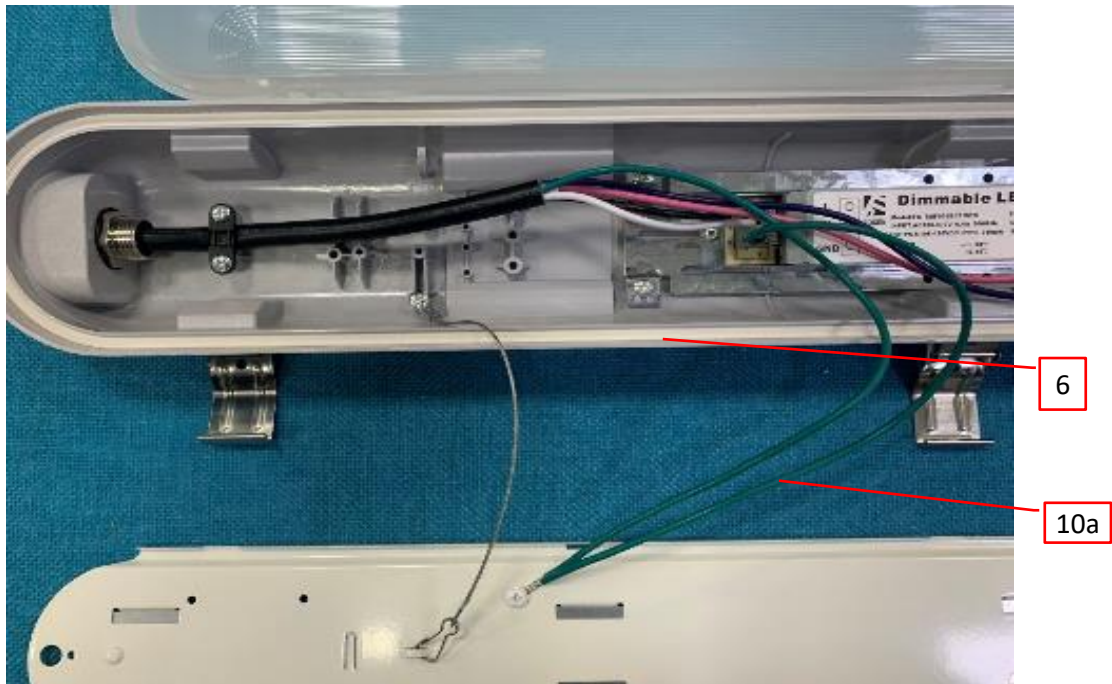
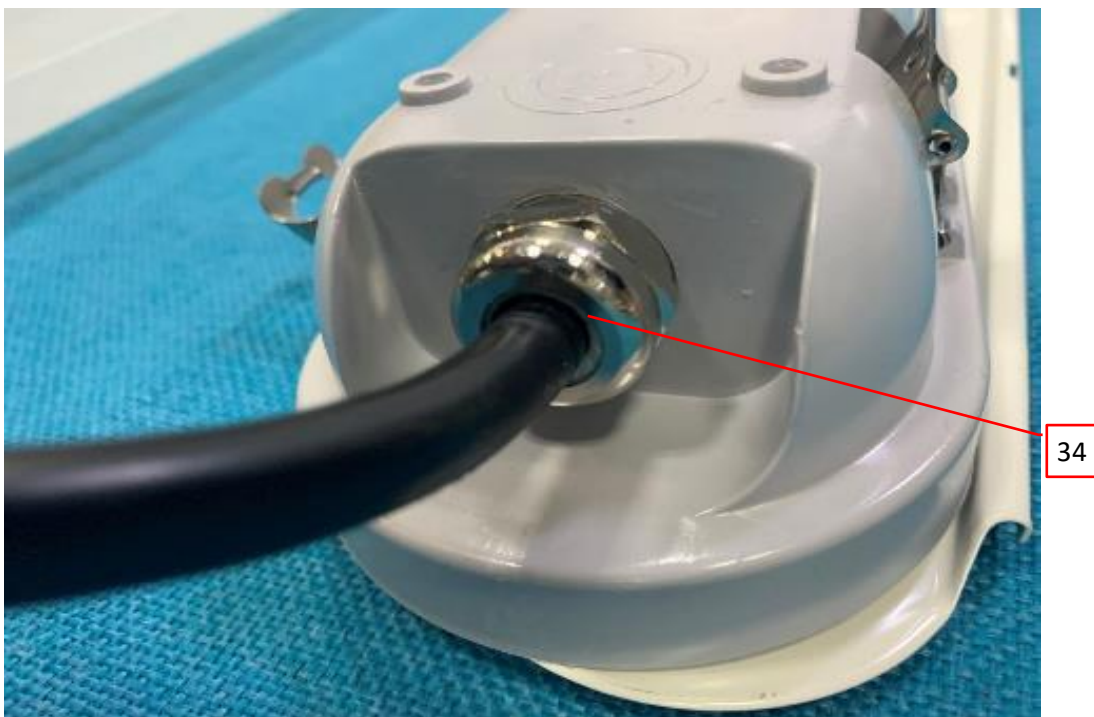


Photo 30a - Gland view of models TS-TPL1-4FT40W-X-XXK, also represent of model TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK

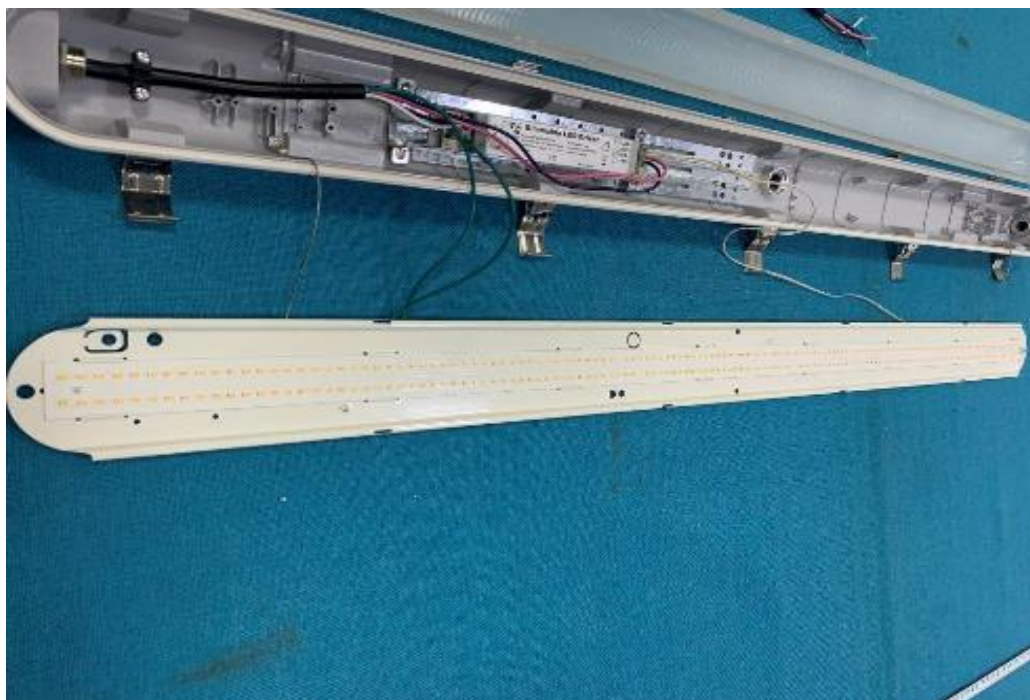


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Photo 31 - Driver view of models TS-TPL1-4FT40W-X-XXK.



Photo 32 - Internal view of model TS-TPL1-4FT40W-X-XXK.



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Photo 33 - LED PCB view of model TS-TPL1-4FT40W-X-XXK.

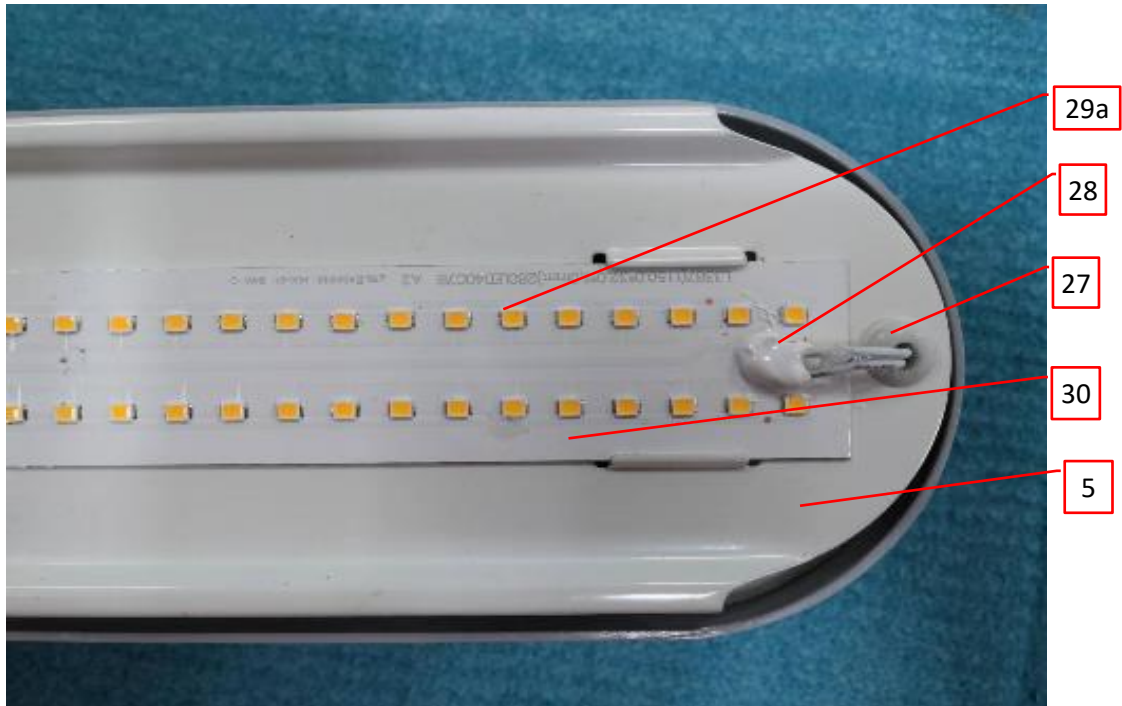
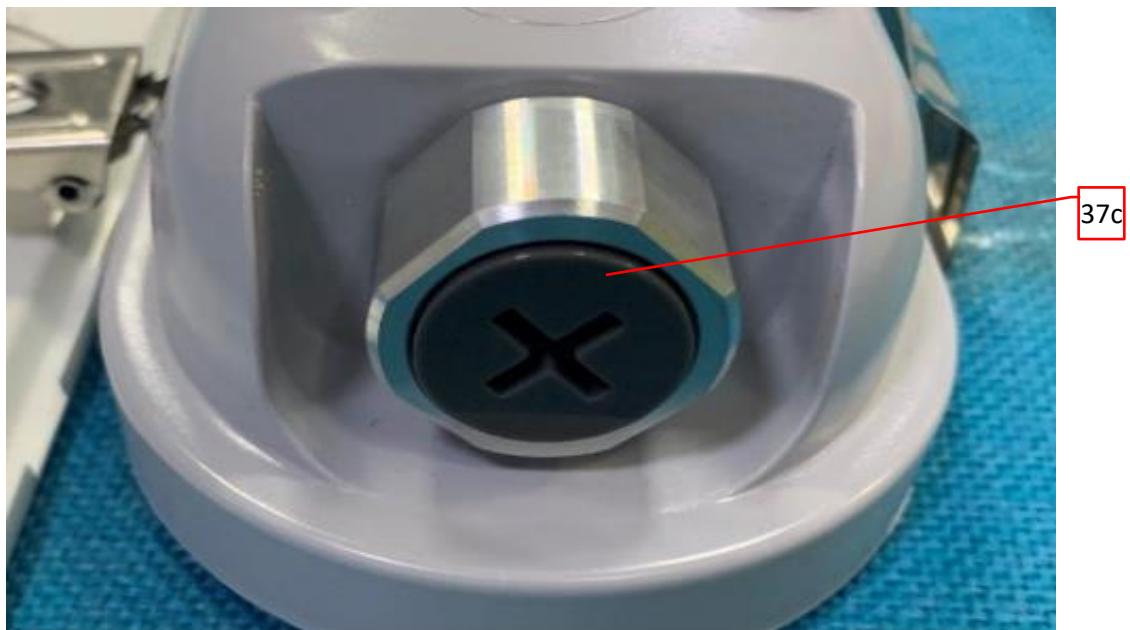


Photo 34 - Closed-up view of model TS-TPL1-4FT40W-X-XXK, also represent of models TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX).



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Photo 35 - Closed-up view of model TS-TPL1-4FT40W-X-XXK, also represent of models TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX).

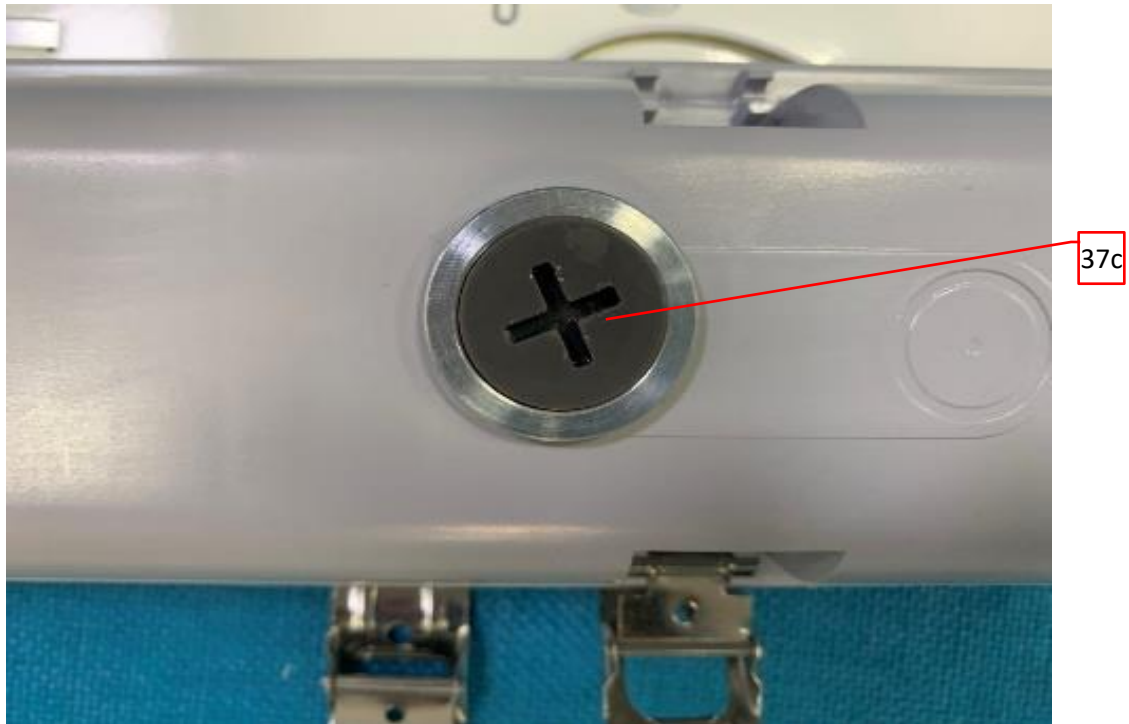
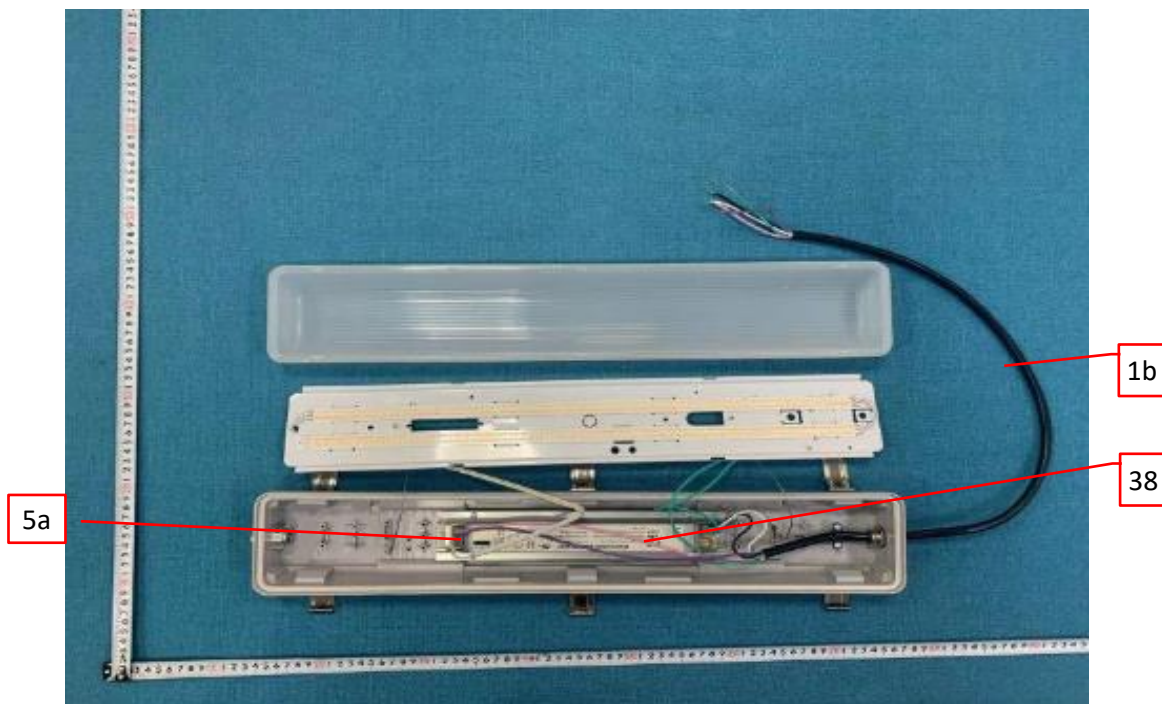


Photo 36 - Internal view of model TS-TPL3-2FT20W-X-TC.



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Photo 37 - Internal view of model TS-TPL3-8FT70W-X-TCP(EM) and TS-TPL3-8FT70W-X-TCP(EMS), also represent for models TS-TPL3-4FT50W-X-TCP(EM) and TS-TPL3-4FT50W-X-TCP(EMS)

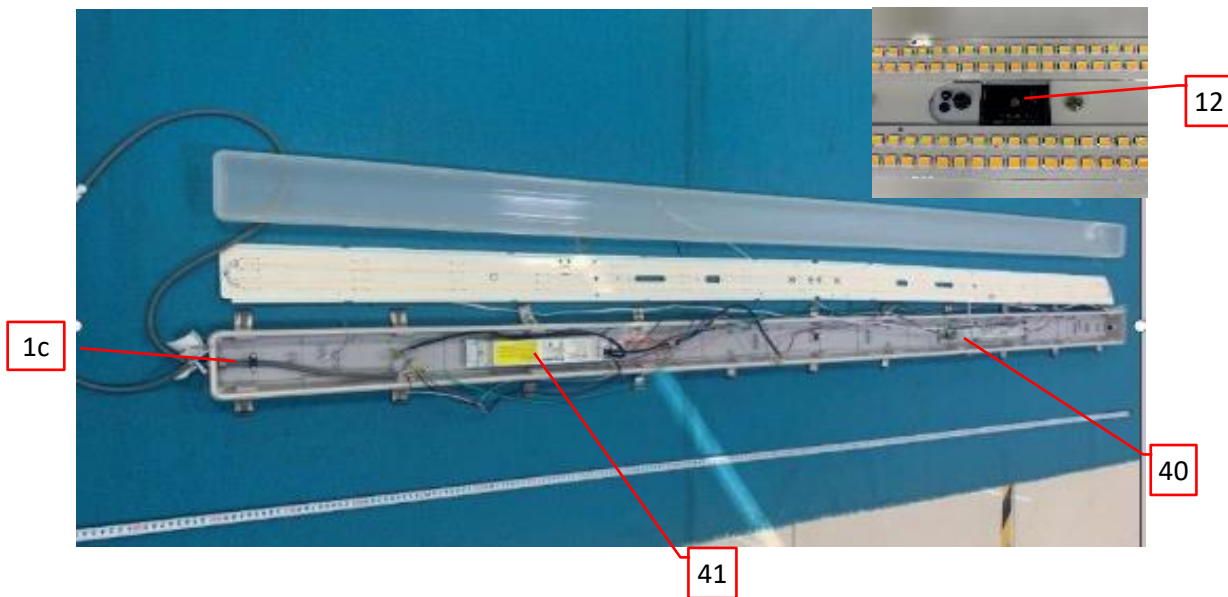
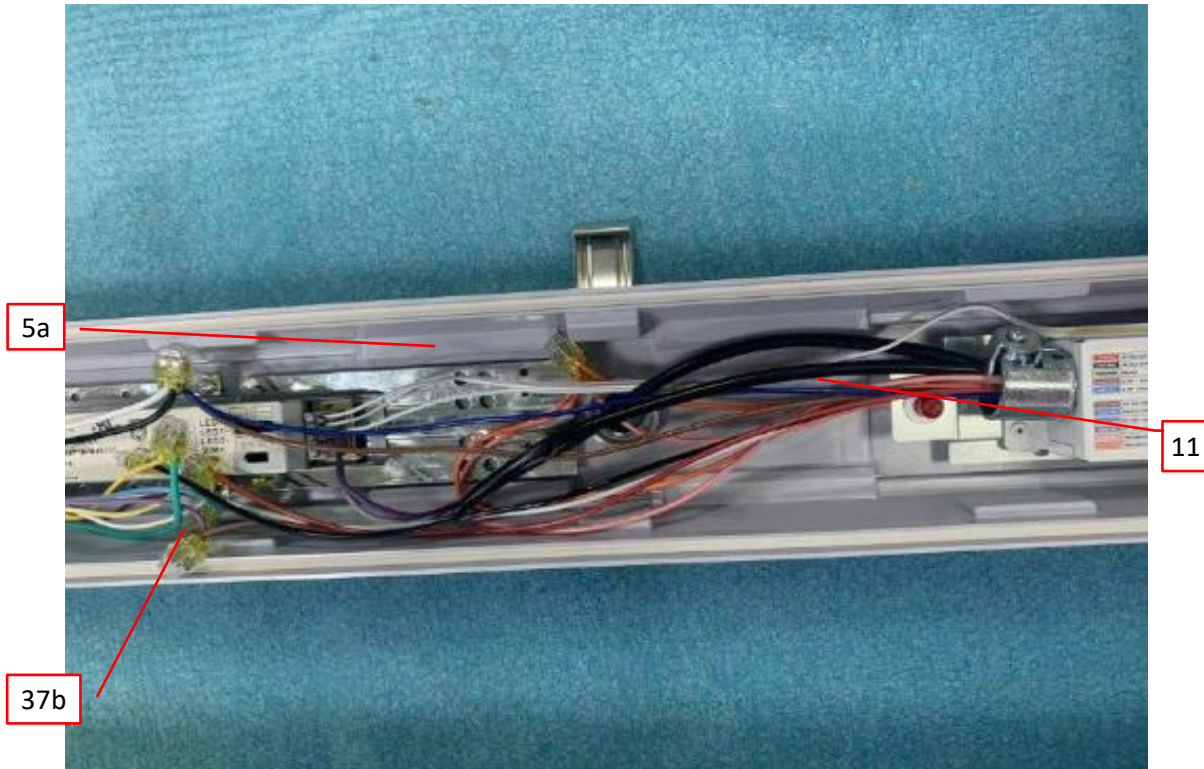


Photo 38 - Closed-up view of model TS-TPL3-8FT70W-X-TCP(EM) and TS-TPL3-8FT70W-X-TCP(EMS), also represent for models TS-TPL3-4FT50W-X-TCP(EM) and TS-TPL3-4FT50W-X-TCP(EMS)



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Photo 39 - Internal view of model TS-TPL3-8FT70W-X-TCP(MS), also represent for model TS-TPL3-4FT50W-X-TCP (MS)

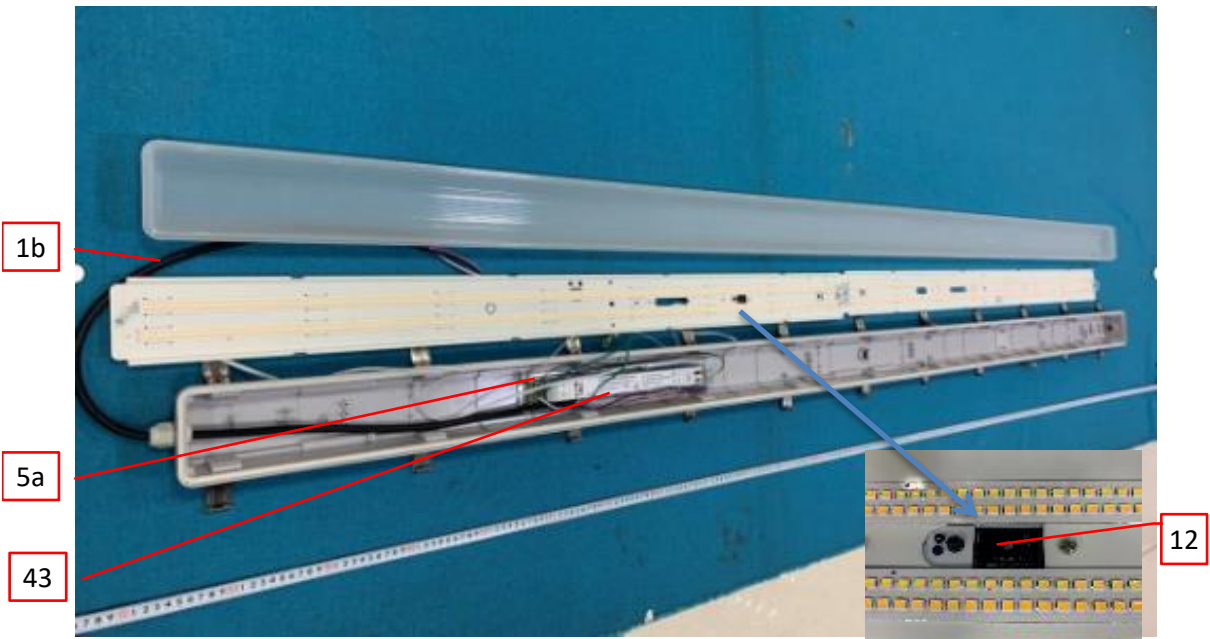
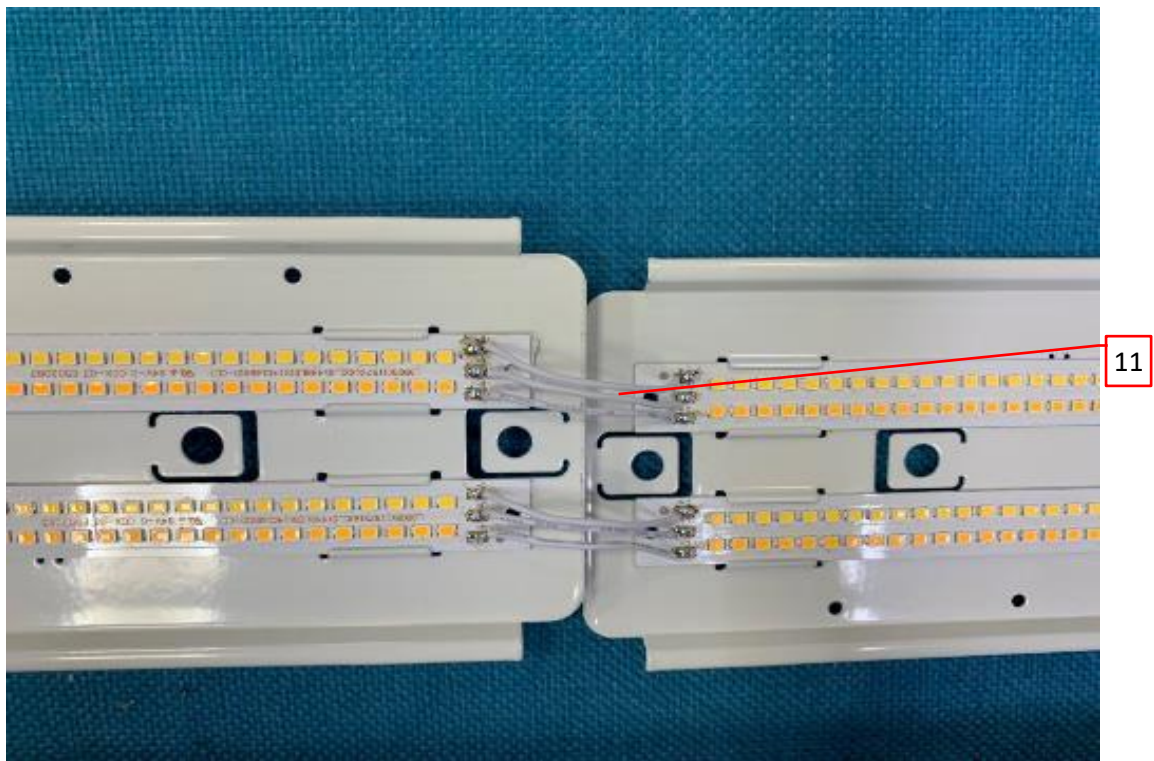


Photo 40 - LED PCB view of model TS-TPL3-8FT70W-X-TCP(XX).



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Photo 41 - Bonding and internal view of model TS-TPL3-8FT70W-X-TCP(XX).

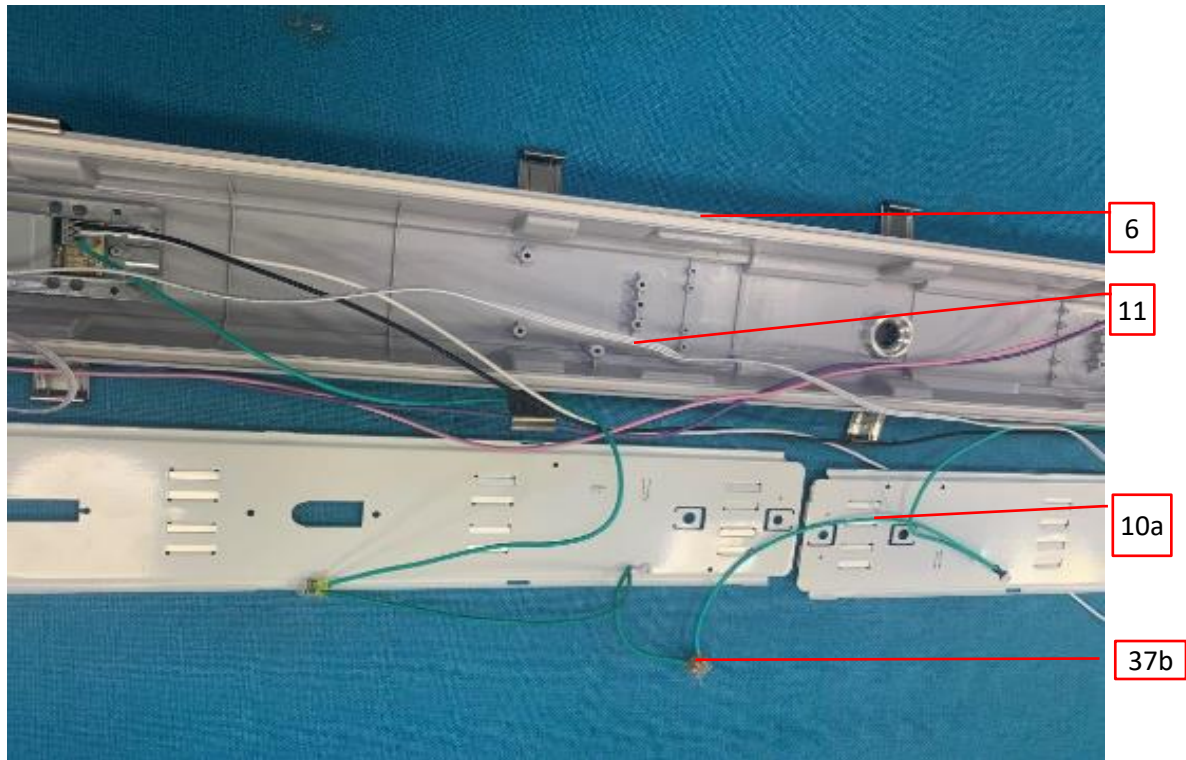
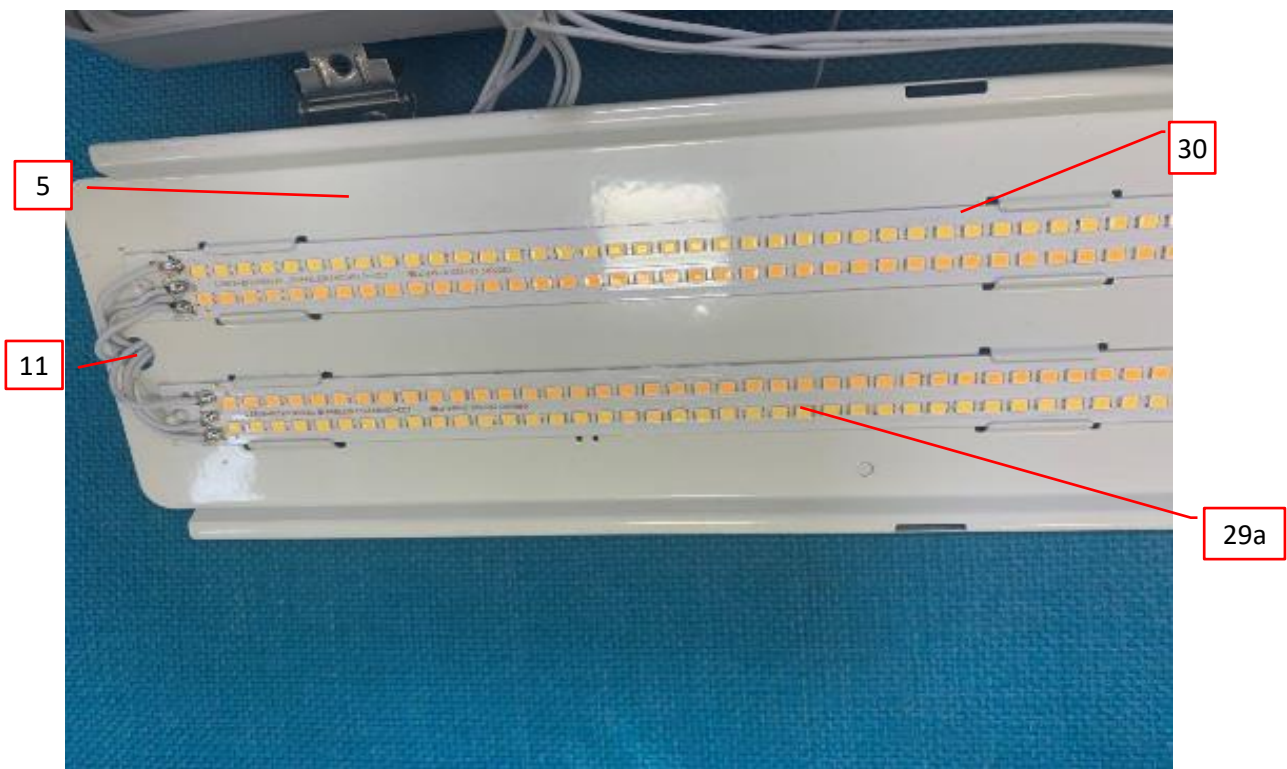


Photo 42 - LED PCB view of model TS-TPL3-8FT70W-X-TCP(XX), also represent of models TS-TPL3-2FT20W-X-TC(XX) and TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK

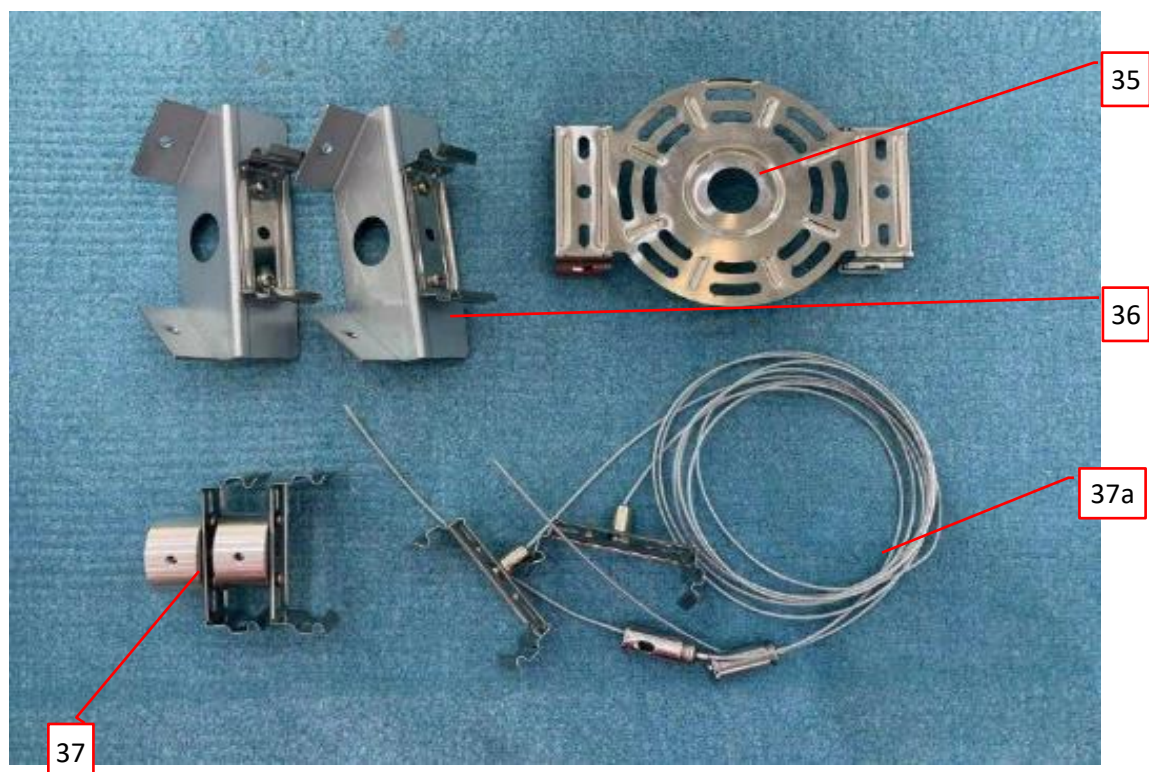


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Photo 42a - LED PCB view of model TS-TPL3-8FT70W-X-TCP(MS) with alternative driver FS-TMG039B1520TCCP-12V and model TS-TPL3-8FT70W-X-TCP with alternative driver FS-TMG039B1520TCCP



Photo 43 - Mounting accessories view of models TS-TPL1-4FT40W-X-XXK, TS-TPL3-2FT20W-X-TC(XX), TS-TPL3-4FT50W-X-TCP(XX), TS-TPL3-8FT70W-X-TCP(XX), TS-TPL3-4FT40W-X-XXK, TS-TPL3-8FT70W-X-XXK, TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), TS-TPL1-4FT32W-X-XXK(XX), TS-TPL3-2FT25W-X-TCP(XX), TS-TPL3-4FT80W-X-TCP(XX), TS-TPL3-8FT100W-X-TCP(XX), TS-TPL3-2FT20W-X-347-TC(XX), TS-TPL3-4FT50W-X-347-TCP(XX), TS-TPL3-8FT70W-X-347-TCP(XX)

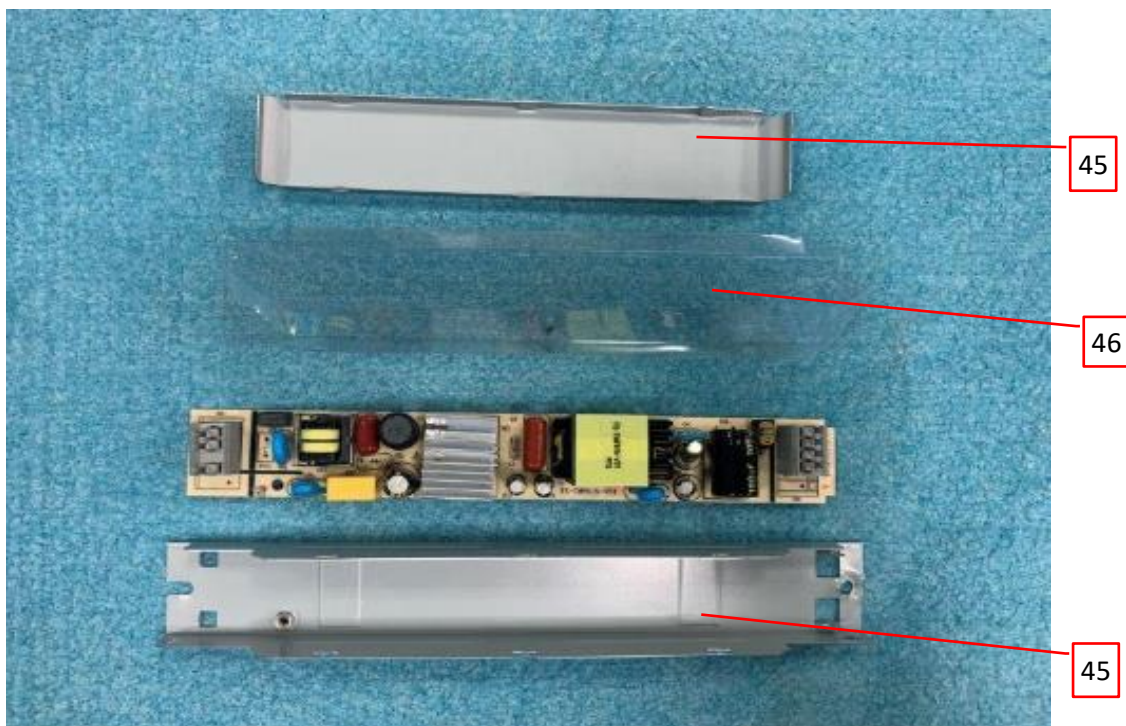


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Photo 44 - LED driver 9 view of model TS-TPL1-4FT40W-X-XXX



Photo 45 - Internal view of LED driver 9.



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Photo 46 - Component side view of LED driver 9.

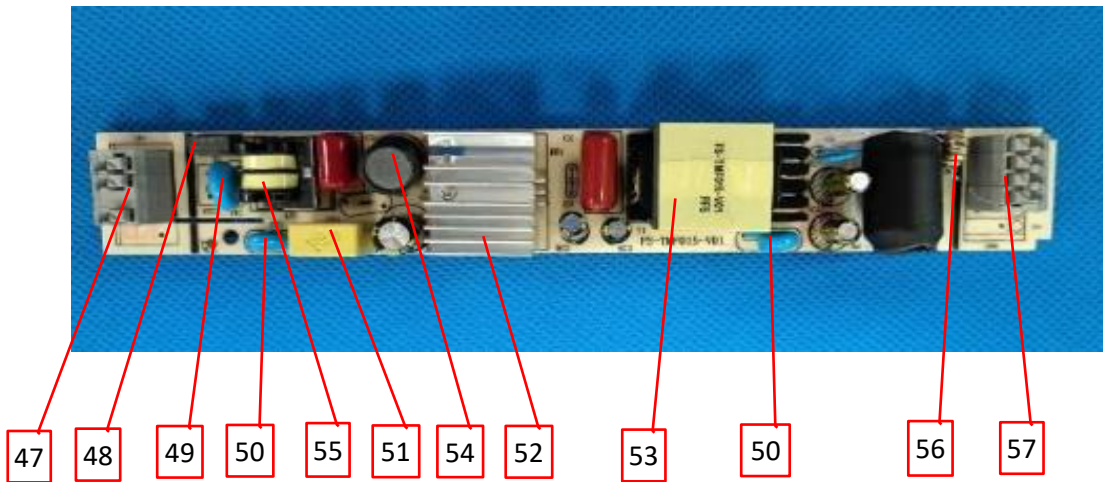


Photo 46a - Component side view of LED driver 9.

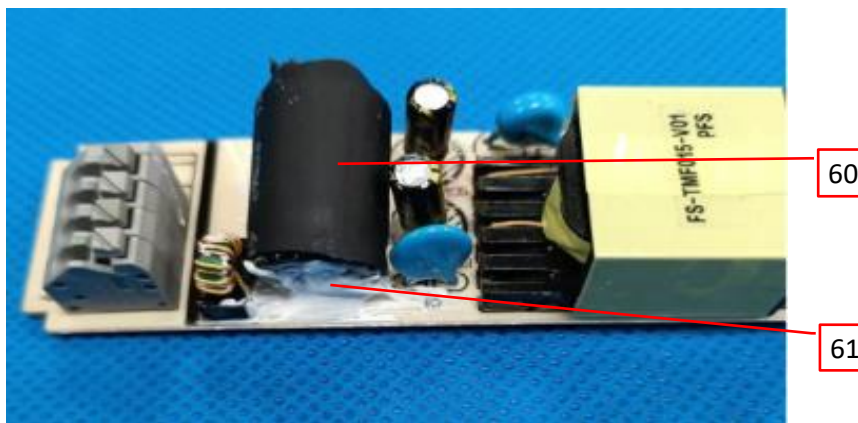
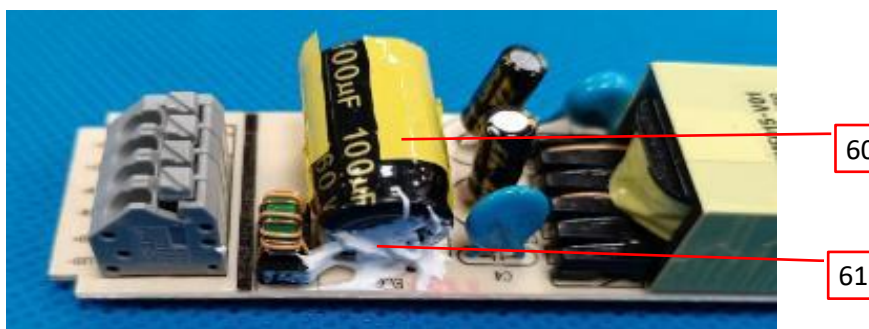


Photo 46b - Alternative component side view of LED driver 9.



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Photo 47 - Trace side view of LED driver 9.

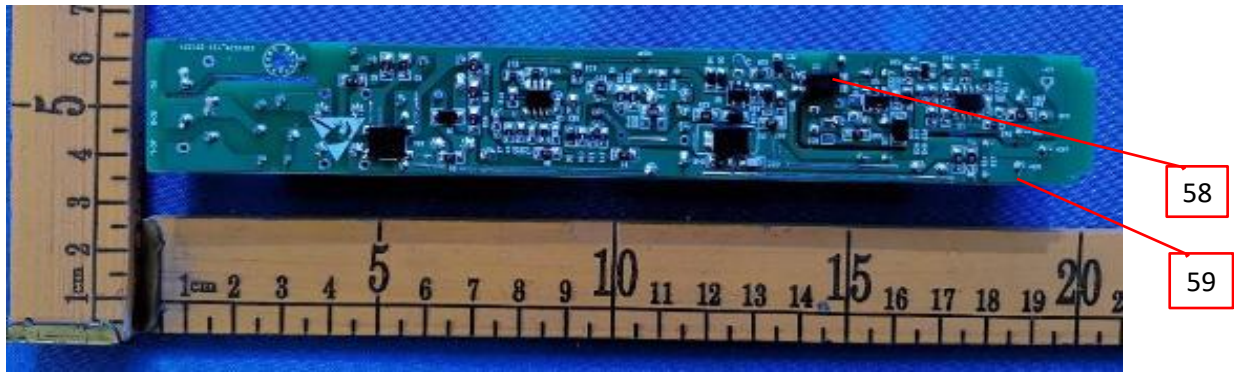


Photo 48 - Thermal pad view for all models.



Photo 49 - External view of model TS-TPL3-8FT70W-X-XXK, also represent TS-TPL3-4FT40W-X-XXK



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Photo 50 - Internal view of model TS-TPL3-8FT70W-X-XXK, also represent TS-TPL3-4FT40W-X-XXK



Photo 51 - Closed-up view of model TS-TPL3-8FT70W-X-XXK, also represent of models TS-TPL3-4FT40W-X-XXK

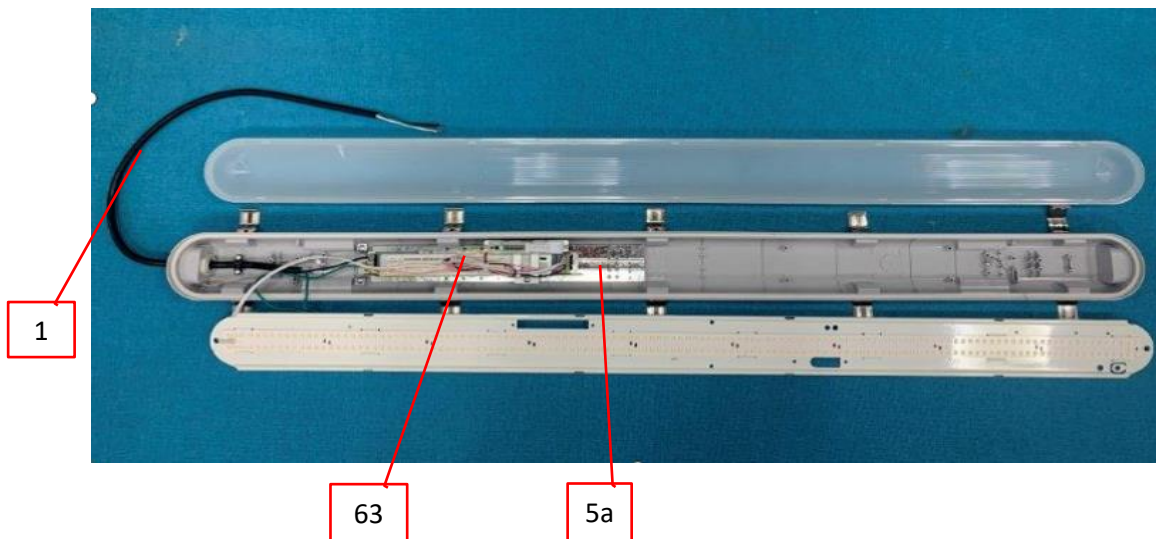


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Photo 52 - Closed-up view of model TS-TPL3-8FT70W-X-XXK, also represent of models TS-TPL3-4FT40W-X-XXK



Photo 53 - Internal view of model TS-TPL1-4FT30W/40W/50W-X-347-TCP(MS), also represents of model TS-TPL1-4FT32W-X-XXK(MS)



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Photo 54 - Internal view of model TS-TPL1-4FT30W/40W/50W-X-347-TCP, also represents of model TS-TPL1-4FT32W-X-XXK

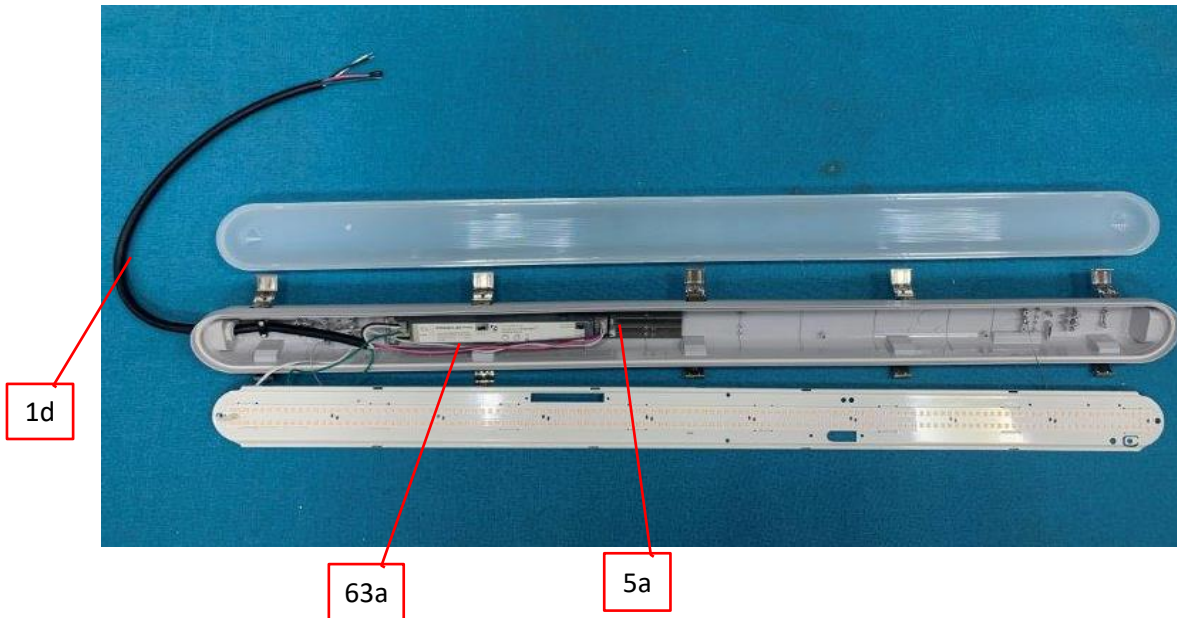
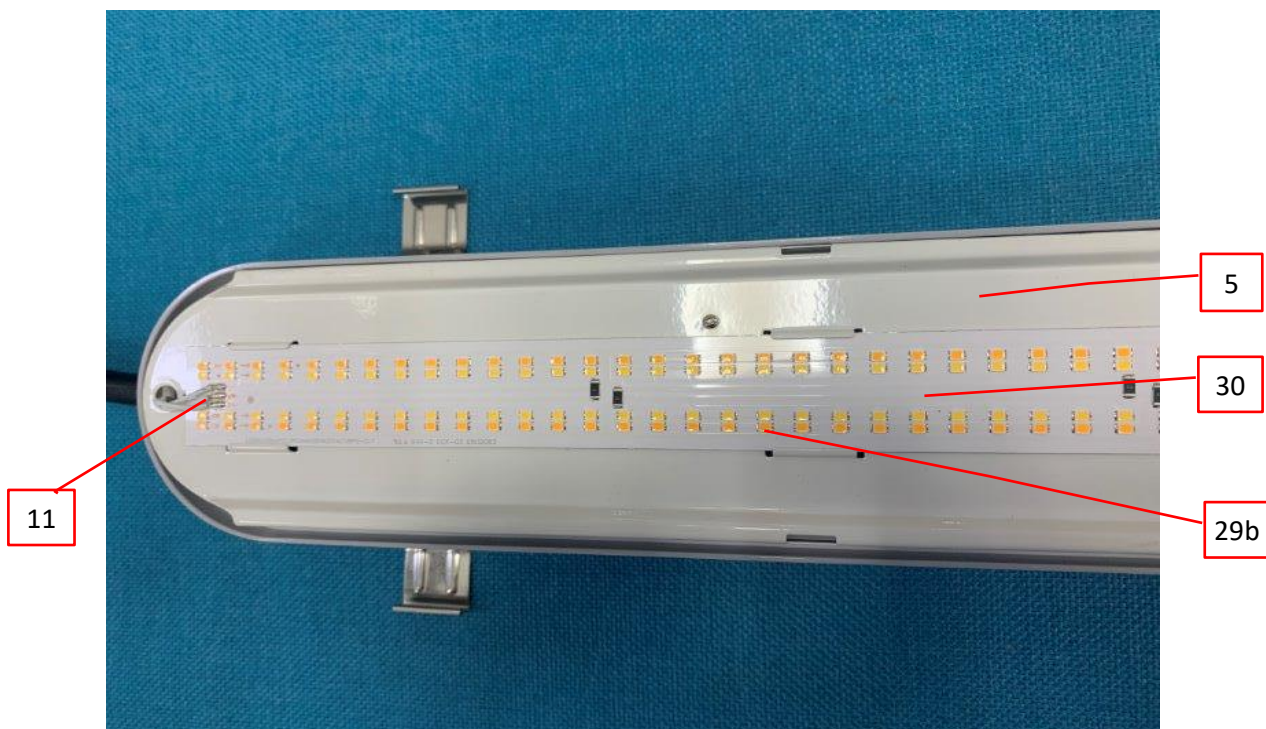


Photo 55 - LED PCB view of model TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX).



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Photo 56 - LED PCB view of model TS-TPL1-4FT32W-X-XXK(XX).

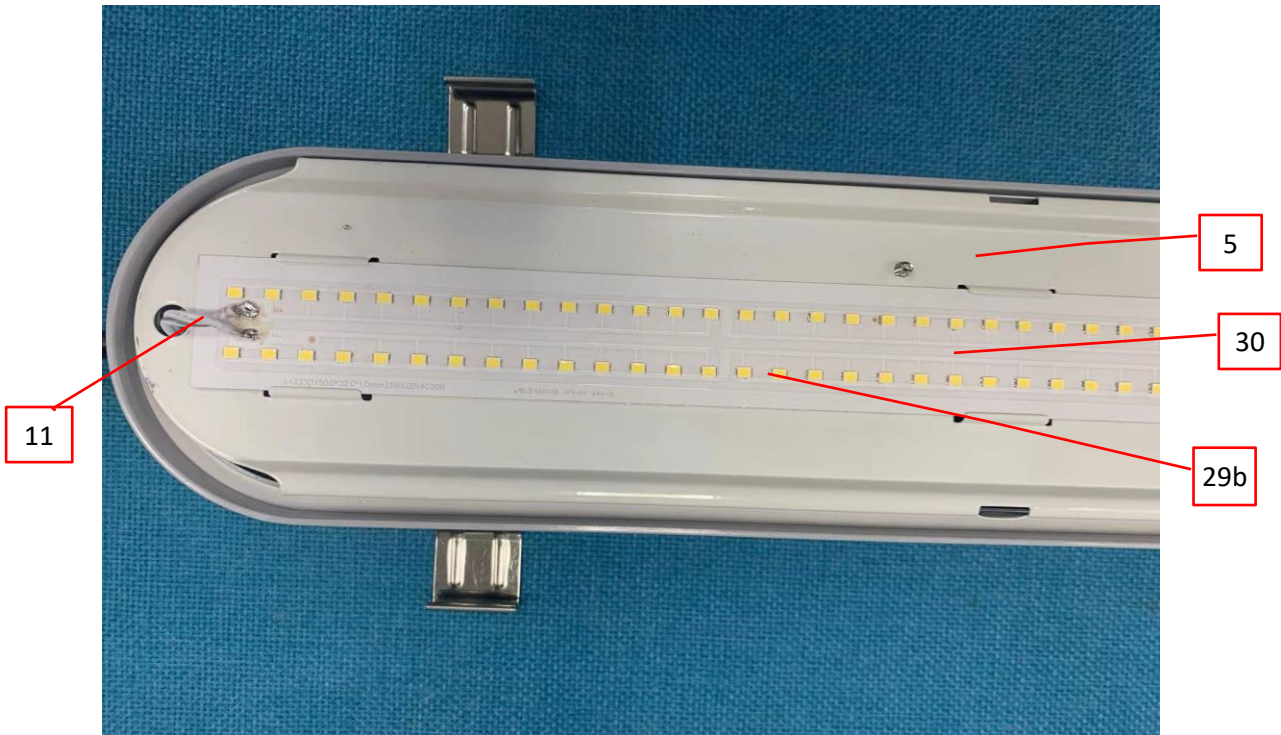


Photo 57 - Gland view of model TS-TPL1-4FT30W/40W/50W-X-347-TCP(XX), also represents of model TS-TPL1-4FT32W-X-XXK(XX).



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Photo 58 - Closed-up view of model TS-TPL1-4FT30W/40W/50W-X-347-TCP(MS), also represents of model TS-TPL1-4FT32W-X-XXX(MS).

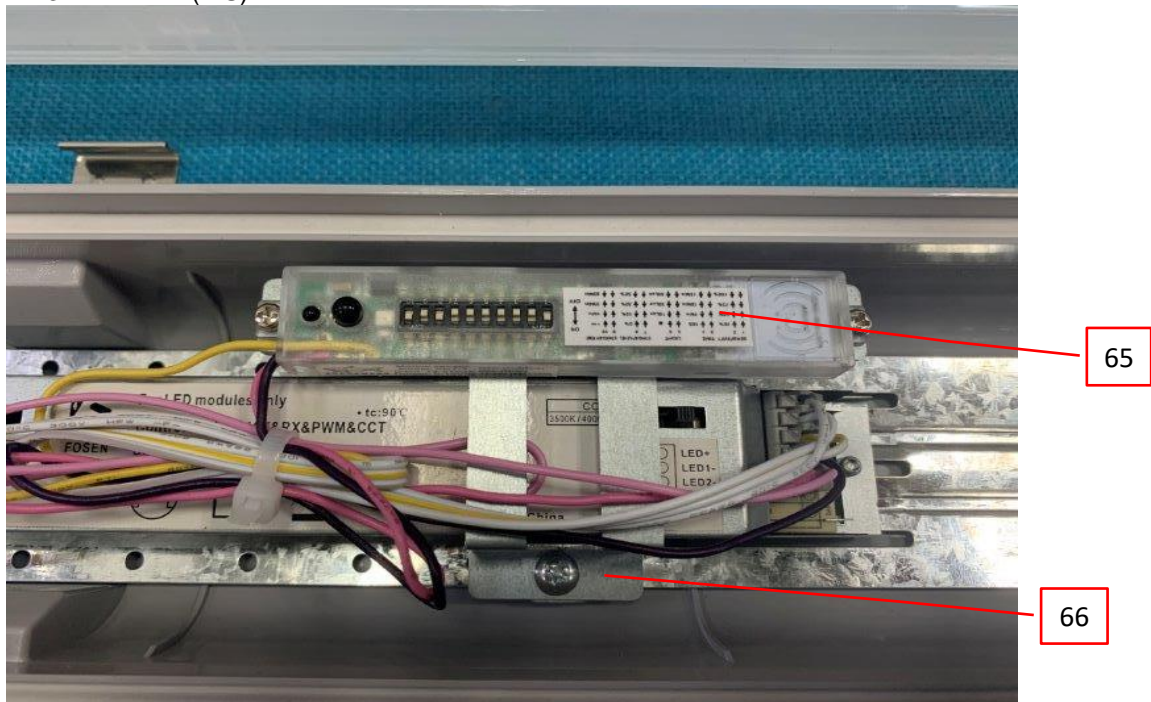


Photo 59 - Internal view of sensor-3.

