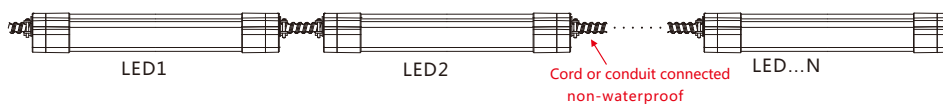**ALSET®** LED LIGHTING

Features:

• Wide Beam Angle

• Built in aluminum heat sink , with 94 V0 Fire-Rated PC housing

• TC Model = IP65 rated (With PG9 connector)

• TS Model = Damp rated

• End knock out and Back knock out permits conduit connection on TC Model

- **Input Voltage :** 120 - 277 VAC
- **Power :** 25W - 70W
- **Frequency :** 50 / 60 Hz
- **Lumen Efficacy :** 120 lumens per watt
- **Operating Temperature :** -25°F - + 40°C
- **Power Factor :** >0.9
- **Beam Angle :** 270°
- **THD:** <18%
- **Lifespan** : 50,000 hours
- Warranty : 5 years
- Color Temperature : 4000K - 5000K in stock Dimming

Continuous Rows   Max wattage   400 watts on 120V 1,000 watts on 277V

• Fixture comes with 5' mounting/hanging kit included

• 5 year warranty

• Full range of options: Emergency backup, Occupancy sensor, 0-10V Dimming, Tandem wiring, Cords

• TS = Need Cord at Start of each continuous run

• TC = 1/2" knock out and PG9 connector included

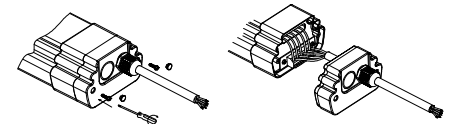• ST: Stairwell with occupancy sensor that never turns off

Options :

- **OC :** Occupancy Sensor

- **EM :** Emergency Back-up - 90 minutes operation (Emergency operating temperature -13°F - +104°F) Remote required for testing
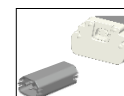
- **Cords**

LED1   LED2   Cord or conduit connected non-waterproof   LED…N

TPAL-TC

LED1   LED2   LED…N

TPAL-TS

5.1

nuwave LIVE WELL FOR LESS®

ALSET LED LIGHTING

TS	Model#	Ref#	Lumens	LmW	Color Temp (°K)	Watt
24" Strip TS	TPAL24-2L-40K-UL-DM-TS	61244	2330	116	4000	20
48" Strip TS	TPAL48-4L-35K-UL-TS	61511	4308	119	3500	36
48" Strip TS	TPAL48-4L-40K-UL-TS	61226	5377	121	4000	36
48" Strip TS	TPAL48-4L-40K-UL-DM-TS	61246	5377	121	4000	36
48" Strip TS	TPAL48-4L-50K-UL-TS	61140	5515	125	5000	36
48" Strip TS	TPAL48-5L-35K-UL-TS	61541	5214	115	3500	45
48" Strip TS	TPAL48-5L-35K-UL-OC-TS	61543	5214	115	3500	45
48" Strip TS	TPAL48-5L-35K-UL-EM-TS	61544	4989	117	3500	43
48" Strip TS	TPAL48-5L-35K-UL-DM-TS	61542	5214	115	3500	45
48" Strip TS	TPAL48-5L-40K-UL-TS	61227	4989	127	4000	43
48" Strip TS	TPAL48-5L-50K-UL-TS	61228	6794	122	5000	45
96" Strip TS	TPAL96-8L-35K-UL-TS	61519	8677	128	3500	68
96" Strip TS	TPAL96-8L-40K-UL-TS	61253	10453	129	4000	68
96" Strip TS	TPAL96-8L-40K-UL-DM-TS	61254	10453	129	4000	68
96" Strip TS	TPAL96-8L-50K-UL-TS	61269	10654	130	5000	69
TS Cord	TS Cord with Special End	61331				

TC	Model#	Ref#	Lumens	LmW	Color Temp (°K)	Watt
24" Strip TC	TPAL-24-2L-35K-UL-TC	61508	2291	117	3500	20
24" Strip TC	TPAL24-2L-40K-UL-TC	61275	2330	119	4000	20
24" Strip TC	TPAL24-2L-40K-UL-OC-TC	61277	2330	119	4000	20
24" Strip TC	TPAL24-2L-40K-UL-OC-ST-TC	61628	2330	119	4000	20
24" Strip TC	TPAL24-2L-50K-UL-TC	61293	2407	124	5000	20
24" Strip TC	TPAL24-2L-50K-UL-OC-TC	61295	2407	124	5000	20
24" Strip TC	TPAL24-2L-50K-UL-OC-ST-TC	61631	2407	124	5000	20
48" Strip TC	TPAL48-4L-35K-UL-TC	61510	4308	119	3500	36
48" Strip TC	TPAL48-4L-35K-UL-OC-TC	61509	4308	119	3500	36
48" Strip TC	TPAL48-4L-40K-UL-TC	61278	5377	121	4000	36
48" Strip TC	TPAL48-4L-40K-UL-OC-TC	61280	5377	121	4000	36
48" Strip TC	TPAL48-4L-50K-UL-TC	61296	5515	125	5000	36
48" Strip TC	TPAL48-4L-50K-UL-OC-TC	61298	5515	126	5000	36
48" Strip TC	TPAL48-5L-35K-UL-OC-TC	61513	5214	115	3500	45
48" Strip TC	TPAL48-5L-35K-UL-OC-EM-TC	61512	4308	119	3500	45
48" Strip TC	TPAL48-5L-40K-UL-TC	61281	5301	117	4000	45
48" Strip TC	TPAL48-5L-40K-UL-EM-TC	61284	6650	117	4000	45
48" Strip TC	TPAL48-5L-40K-UL-OC-TC	61283	6794	117	4000	45
48" Strip TC	TPAL48-5L-40K-UL-OC-EM-ST-TC	61629	6650	117	4000	43
48" Strip TC	TPAL48-5L-50K-UL-TC	61299	6795	122	5000	45
48" Strip TC	TPAL48-5L-50K-UL-DM-TC	61300	5479	121	5000	45
48" Strip TC	TPAL48-5L-50K-UL-EM-TC	61302	6794	121	5000	44
48" Strip TC	TPAL48-5L-50K-UL-OC-EM-ST-TC	60632	5476	122	5000	45
96" Strip TC	TPAL96-8L-35K-UL-EM-TC	61516	8677	128	3500	68
96" Strip TC	TPAL96-8L-35K-UL-OC-TC	61517	8677	128	3500	68
96" Strip TC	TPAL96-8L-35K-UL-TC	61518	8677	128	3500	68
96" Strip TC	TPAL96-8L-40K-UL-EM-TC	61290	10453	115	4000	69
96" Strip TC	TPAL96-8L-40K-UL-OC-EM-ST-TC	61630	10453	115	4000	69
96" Strip TC	TPAL96-8L-40K-UL-OC-TC	61289	10453	115	4000	69
96" Strip TC	TPAL96-8L-40K-UL-TC	61287	10654	129	4000	67
96" Strip TC	TPAL96-8L-50K-UL-EM-TC	61308	10054	119	5000	71
96" Strip TC	TPAL96-8L-50K-UL-OC-EM-ST-TC	61633	8944	119	5000	69
96" Strip TC	TPAL96-8L-50K-UL-OC-TC	61307	10654	119	5000	71
96" Strip TC	TPAL96-8L-50K-UL-TC	61305	10654	119	5000	71
TC Cord	TC Cord w/NEMA 1-15 plug (120V)	61311				

TC - ST	Model#	Ref#	Lumens	LmW	Color Temp (°K)	Watt
24" Strip TC	TPAL24-2L-40K-UL-OC-ST-TC	61628	2330	119	4000	20
24" Strip TC	TPAL24-2L-50K-UL-OC-ST-TC	61631	2407	124	5000	20
48" Strip TC	TPAL48-5L-40K-UL-OC-EM-ST-TC	61629	4989	117	4000	43
48" Strip TC	TPAL48-5L-50K-UL-OC-EM-ST-TC	60632	5476	122	5000	45
96" Strip TC	TPAL96-8L-40K-UL-OC-EM-ST-TC	61630	7895	115	4000	69
96" Strip TC	TPAL96-8L-50K-UL-OC-EM-ST-TC	61633	8944	119	5000	69
TC Cord	TC Cord w/NEMA 1-15 plug (120V)	61311				

REMOTES	Model#	Ref#
	RMSTOC	61696
	RMSTEM	61324

Specification/Product Parameters

· **Input voltage:** 120 - 277VAC
· **Power:** 20W-70W
· **Frequency:** 50/60Hz
· **Lumen Efficacy:** 120LM/W
· **Operating temperature:**
-25° - +40°(Emergency minimum temperature -10℃)

· **Power factor:** > 0.9
· **Beam angle:** 270°
· **THD:** < 18%
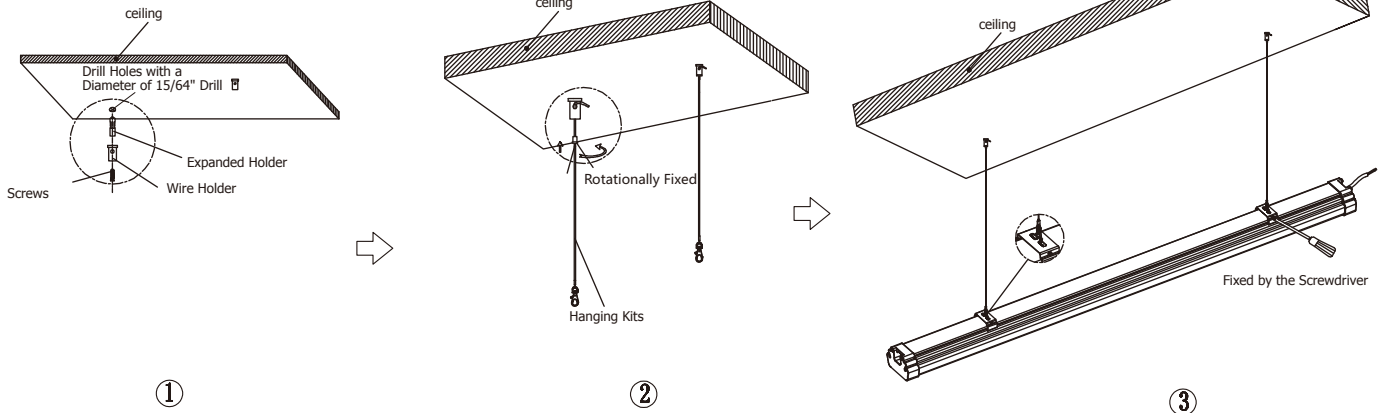· **Lifespan :** 50,000 H

60805
TPAL48-5L-40K-UL-DM-EM   5301 Lumens
4000 CCT   117 LmW   45 Watt

61301
TPAL48 5L 40K UL EM DM TC   4989 Lumens
4000 CCT   117 LmW   42.5 Watt

TS = Tandem Seamless
TC = Tandem Cord/Conduit
OC = Occupancy Sensor
EM = Emergency Backup
    Lumen Output :
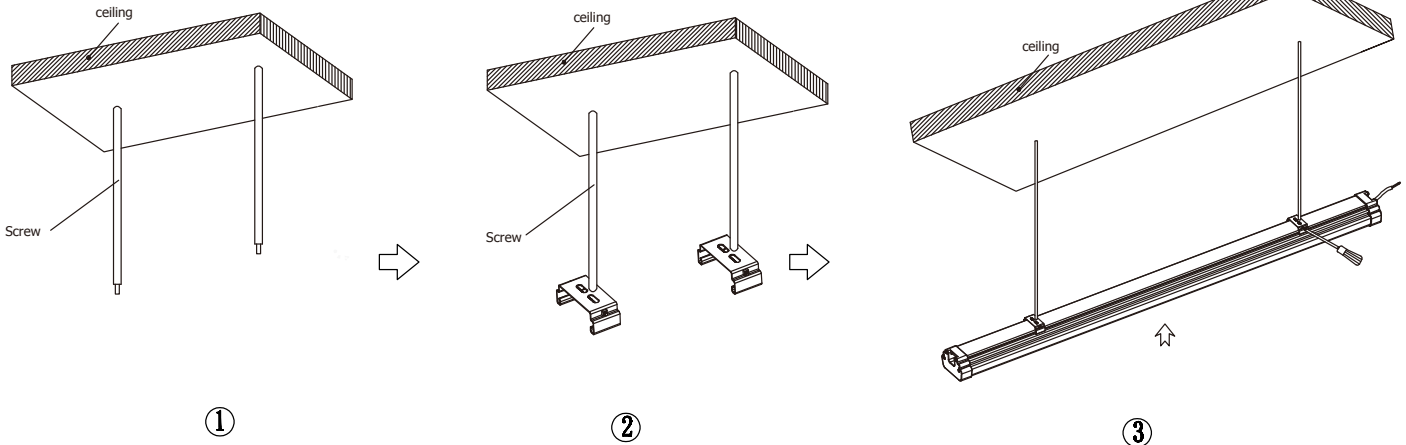   48"=744LM; 96"=760 LM
ST = Stairwell

5.1

ALSET® LED LIGHTING

Installation Instructions

Cable Suspension

ceiling

Drill Holes with a Diameter of 15/64" Drill

Expanded Holder

Screws

Wire Holder

①

ceiling

Rotationally Fixed

Hanging Kits

②

ceiling

Fixed by the Screwdriver

③

Step (1)

Stem Mount

ceiling

Screw

①

ceiling

Screw

②

ceiling

③

Step (2)

Ceiling or Wall Mount

Drill Holes with a Diameter of 15/64" Drill

Mounting Bracket

①

Mounting Bracket   ceiling

②

Mounting Bracket   ceiling

Installation completed

③

Step (3)

5.1

Included With Each Fixture

(Hanging Kits)

(PG 9 connector)

(connector for seamless connection)

(Mounting Bracket)

Optional

Button#2(DISCHARGE)

Button#(1TEST)

Button#3(STOP)

Diagram of remote control(Emergency)

Dimension

W

L
L2

H

Type TS

W

L
L2

H

Type TC

Model	L(inches)		L2 (Inches)	W (Inches)	H (Inches)
	TS	TC	TS / TC	TS / TC	TS / TC
TPAL24	23.6	25.6	21.3	3.7	2.4
TPAL48	47.2	49.2	44.9	3.7	2.4
TPAL96	94.5	96.5	92.1	3.7	2.4

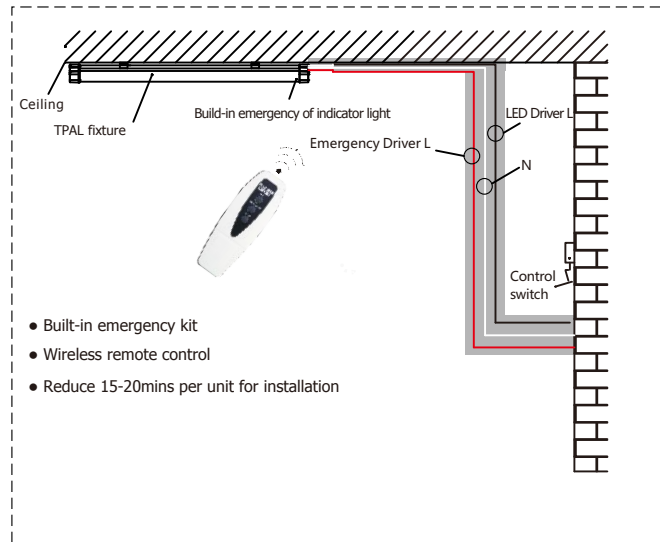| Model No.	Net Weight (LBS)	Qty(pcs /CTN)	Gross Weight/CTN(LBS)	Carton Size (Inches)
TPAL24	14.55	6	17.11	L30.32*W9.06*H9.25
TPAL48	23.55	6	28.35	L53.94*W9.06*H9.25
TPAL96	47.09	6	56.70	L101.18*W9.06*H9.25

DLC 5.1

Product Application Instructions-Sensor (Occupancy Sensor)

Standard Setting (Other Settings Available and need to be identified when order is placed)

Occupancy Sensor Hold Time	1 Minute	3 Minutes	5 Minutes	Custom
Sensor to Dim Level	20%	30%	50%	Custom
Sensor Stand by Period	1 Minute	5 Minutes	10 Minutes	Disable

Emergency Remote Controller (Required)

- High Temp. Ni-MH battery. Compact in size, longer lifetime, safer in practical use, RoHS compliant

- The nickel-metal hydride batteries can be repeated 500 charge-discharge cycles by correct operation

- After leaving factory,the emergency battery turns itself into a dormant state to avoid electric discharge and leakage

Ceiling
TPAL fixture
Build-in emergency of indicator light
LED Driver L
Emergency Driver L
N
Control switch

- Built-in emergency kit
- Wireless remote control
- Reduce 15-20mins per unit for installation

Controller

• The utilization of wireless IR remote controller:

Button#1: TEST (Press this button, switch to emergency lighting model. Emergency indicator light turns red)

Button#2: DISCHARGE(Press this button, battery starts to discharge, emergency indicator shows up red until electrical discharge process is over. 5 sec later, this lamp switches to normal working state);

Button#3: STOP 1.Stop discharge(pause discharge when in emergency status)

2.Cancel automatic discharge(keep pressing button 3 seconds, when red indicator flicker once, means closed every 3 month automatic discharge function.)

3.Start automatic discharge(keep pressing button 3 seconds, when red indicator continues flicker, means start every 3 month automatic discharge function.)

Button#1 (TEST)
Button#2 (DISCHARGE)
Button#3 (STOP)

Diagram of remote control(Emergency)

c UL us   RoHS   IES   DLC 5.1