# TECHNOLED™
### Designed for future, engineered to last

## LED FLAT DISK PANEL LIGHT

## TL-FDPL2™ SERIES

### DESCRIPTION
Ultra-Slim Downlight Retrofit engineered for demanding commercial applications. Save up to 80% in energy cost. 100% Mercury & Lead Free.
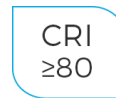
### APPLICATIONS
Ideal for lighting malls, hospitals, hotels, and retail spaces. Replaces CFL & HID or Incandescent downlights for higher energy savings & aesthetics.

### QUICK SHIP:
TL-FDPL2-5-9W-3CCT
TL-FDPL2-9-18W-3CCT
TL-FDPL2-12-24W-3CCT

| SOFT WHITE | 3000K |
| BRIGHT WHITE | 4000K |
| DAYLIGHT | 5000K |

3 in One

TITLE 24 | 120 VAC | DIMMABLE TRIAC | CRI ≥80 | 5 Years | ENERGY STAR | ETL LISTED

## Specification Features

### Controls / Dimming
High quality internal driver; Triac dimming; Flicker free. Frosted Lens and Non-IC, and rated for damp locations. SMD2835. Beam angle is 120º.

### Warranty
5 Years Limited Warranty. See warranty documentation for more information.

### Certification
It complies with ETL/ cETL certification, Energy Star Rated, and FCC.

### Installation / Mounting
LED downlight retrofit is supplied with a quick connect-case and conduit to make an easy connection to an existing recessed fixture frame junction box. Beam angle is 120º. Instant start w/NO humming.

## Ordering Information
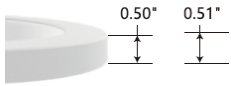Example: TL-FDPL2-9-18W-3CCT

| TL | FDPL2 | 9 | 18W | 50K | [BLANK] |
|---|---|---|---|---|---|
| **Brand** | **Series** | **Diameter** | **Nominal Wattage** | **Color Temp** | **Diffuser Type** |
| **TL** TechnoLED | **FDPL2** Flat Disk Panel Light | **5** 5 Inch <br> **9** 9 Inch <br> **12** 12 Inch | **9W** 9 Watt <br> **12W** 12 Watt <br> **18W** 18 Watt <br> **24W** 24 Watt | **3CCT Tunable** 3000K / 4000K /5000K | **[Blank]** Frosted <br><br> **[Blank]** 110-120V |
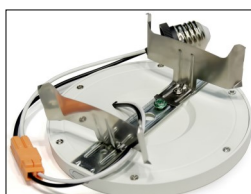
## Lighting Parameters

| Input Voltage | AC120V |
|---|---|
| CCT | 3CT ( 3000K / 4000K / 5000K ) |
| CRI | Ra>80 |
| Luminous efficacy | 80 lm/w |
| PF | 0.90 |
| Driver Efficiency | 87% |
| THD | 20% |
| Working temperature | -4°F~104°F |
| Storage temperature | -22°F~140°F |
| IP Rating | IP20 |

| Part Number | L | W | H |
|---|---|---|---|
| TL-FDPL1/2-5-9W | 5.5" | 5.5" | 0.7" |
| TL-FDPL1/2-9-18W | 9.0" | 9.0" | 0.7" |
| TL-FDPL1/2-12-24W | 12" | 12" | 0.7" |

0.50"   0.51"

## Product Dimension

ø94.40±0.5

ø259.40±0.5

59±1  13±0.5

ø135±1

96±1  13±0.5

ø300±1
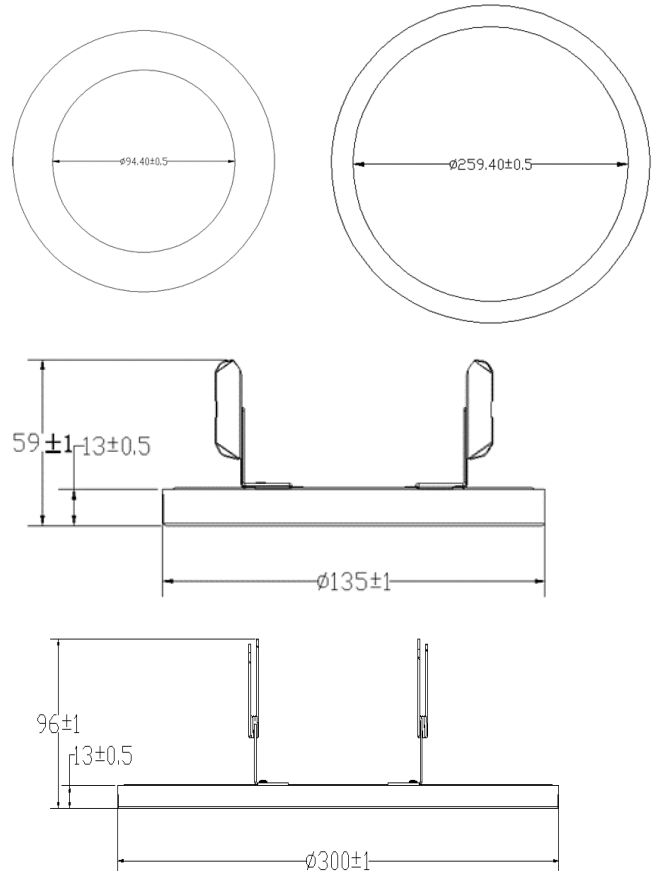
## Photometric data
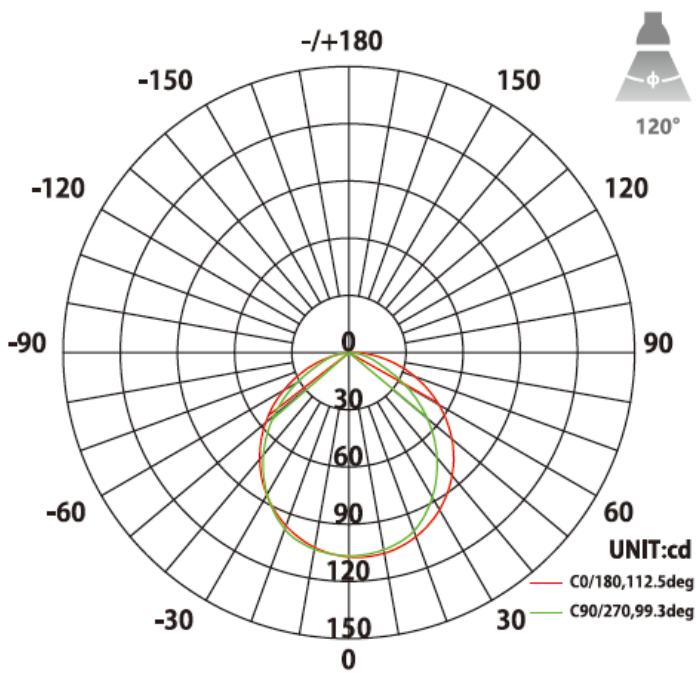


**AVERAGE BEAM ANGLE(50%):105.9 DEG**

UNIT:cd
— C0/180,112.5deg
— C90/270,99.3deg

120°

Flux out:305.4 lm

| Height | Eavg,Emax | Angle:112.20deg | Diameter |
|---|---|---|---|
| 1m | 41.00, 144.2 lx | | 297.63 cm |
| 2m | 10.25, 36.05 lx | | 595.26 cm |
| 3m | 4.556, 16.02 lx | | 892.88 cm |
| 4m | 2.563, 9.012 lx | | 1190.51 cm |
| 5m | 1.640, 5.768 lx | | 1488.14 cm |
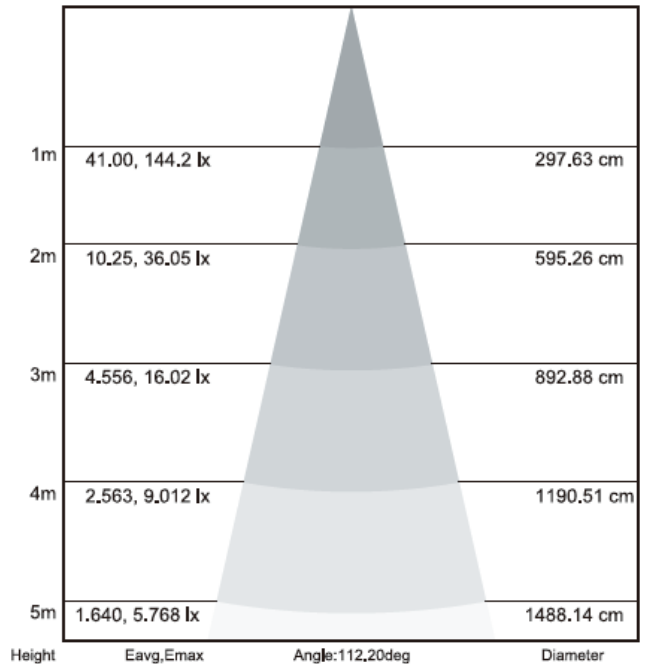
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.
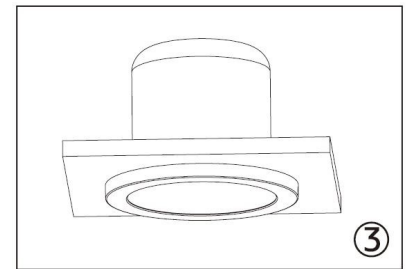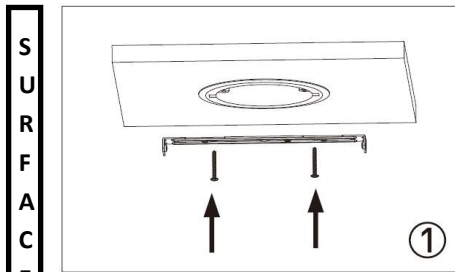
## Installation Instruction

**J/BOX**
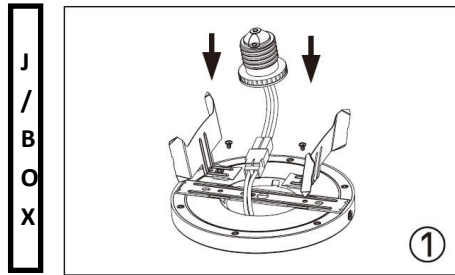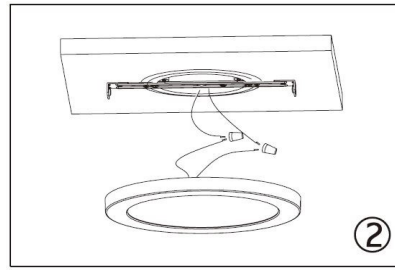

① Remove trim and existing lamp from recessed fixture;
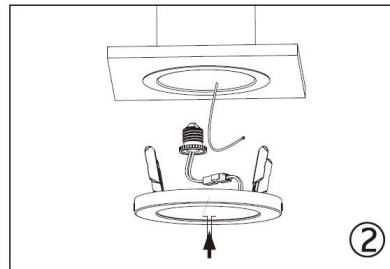

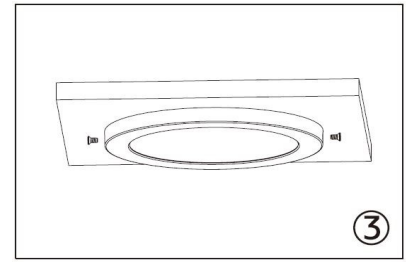② Screw E26 Socket adapter into socket in housing;


③ Press the friction blade to insert the lamp into the housing and restore power.

**SURFACE**


① Fixing bracket on terminal box;


② Connecting the wires;


③ Fixing the lamp body on bracket and fix tightly.

## Product and Packing Information

| Model | Outer Carton Size (L×W×H) | Qty/Carton (pcs) | N.W./Ctn (lbs) | G.W./Ctn (lbs) |
|---|---|---|---|---|
| TL-FDPL2-5-9W | 12.0" x 11.6" x 11.8" | 60 | 29 lbs. | 32 lbs. |
| TL-FDPL2-9-18W | 18.7" x 8.3" x 9.5" | 20 | 26 lbs. | 29 lbs. |
| TL-FDPL2-12-24W | 12.6" X 08.3" x 12.6" | 10 | 26 lbs. | 29 lbs. |

| Model | Description | Input Watts | Delivered Lumens | Universal Voltage (VAC) | Max Line Current (Amp) @ 120 - 277 | THD | Power Factor | Weight |
|---|---|---|---|---|---|---|---|---|
| TL-FDPL2-5-9W | Flat Disk Panel Light 5 inch | 9 | 650 | 120 | 80mA | 30% | >0.9 | 0.45 lbs. |
| TL-FDPL2-9-18W | Flat Disk Panel Light 9 inch | 18 | 1,440 | 120 | 170mA | 30% | >0.9 | 1.02 lbs. |
| TL-FDPL2-12-24W | Flat Disk Panel Light 12 inch | 24 | 1,920 | 120 | 220mA | 30% | >0.9 | 2.20 lbs. |