

COMMERCIAL DOWNLIGHT

TK-CDL3MAX™ Series

Description

Tektron's TK-CDL3MAX Commercial-grade Downlight is a versatile multiple lighting solution, offering 3 selectable wattages and 5 CCT tunable options in one fixture. Designed for flexibility and performance, it supports 120-277V/ 347 input voltage and available in 4 inch, 6 inch, 8 inch, and 10 inch sizes and Round, Square shape.

Application

Ideal for commercial complexes, hospitality spaces, healthcare facilities, educational institutions, industrial areas, and hotels.

Quick Ship

TK-CDL3MAX-R4-13W-5CCT-XXYY
TK-CDL3MAX-R6-24W-5CCT-XXYY
TK-CDL3MAX-R8-30W-5CCT-XXYY
TK-CDL3MAX-R10-38W-5CCT-XXYY



Specifications Features

Housing / Dimming

High quality LED driver with 0-10V dimming. High quality Aluminum shell with frosted PC diffuser. Deep smooth trim design, for more perfect light, no glare.

Warranty

5 Years Limited Warranty.
For more information visit us at,
<https://www.tektronled.com/warrantyinfo>

Certifications

It compiles with ETL listing, TITLE 24 Rated, Energy Star Rated, FCC Listed and IC Rated.

Installation and Mounting

The installation process is straight forward. Spring-action housing clips. Suitable for most new constructions.

Ordering Information

Example: TK-CDL3MAX-R6-24W-5CCT-XX-YY

TK	CDL3MAX	R	R6	24W	5CCT	XX-YY
Brand	Series	Type	Size	Wattage	Color Temperature	Input Voltage
TK-	CDL3MAX-	R - Round	R4 - 4 inch R6 - 6 inch R8 - 8 inch R10 - 10 inch	R4: 13W- 5/6.5/9/10/13W R6: 24W- 10/13/18/21/24W R8: 30W- 16/20/23/27/30W R10:38W- 20/24/28/32/38W	27K - 2700K 30K - 3000K 5CCT - 35K - 3500K 40K - 4000K 50K - 5000K	120-277V, 50/60Hz 120-347V
TekTron	Retrofit Commercial Downlight	S - Square	S4 - 4 inch S6 - 6 inch	S4: 12W- 6W/9W/13W S6: 30W- 15W/20W/30W		Dimming 0-10V Dimming TRIAC Dimmable
		Square trim is made to order		Wattage Selectable	5CCT Selectable	Accessories Emergency Driver 4/6/8in Goof Rings T- Grid Bar, J-Box

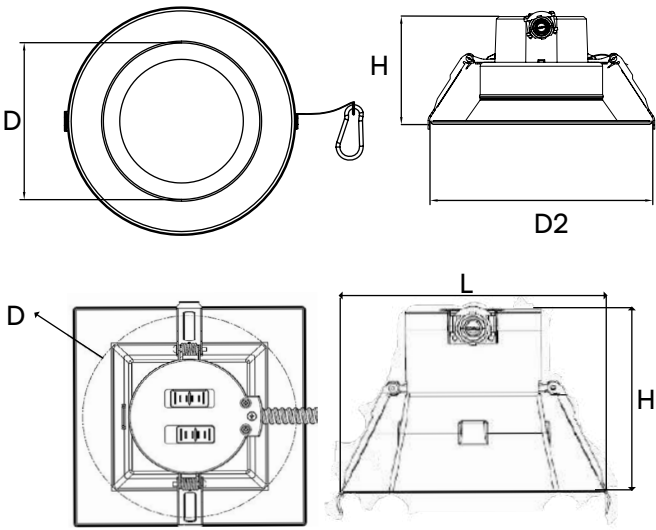
COMMERCIAL DOWNLIGHT

TK-CDL2MAX™ Series

Specification Features

Input Voltage	120-277V, 120-347V
Luminous Efficiency	90-100 Lm/w
Color Temperature	27K/30K/35K/40K/50K
Surge Protection	2.5KV Ring wave
Dimming	0-10V, TRIAC Dimming
CRI	>90, 80 Options
Beam Angle	90°-95°
THD	<25%
Noise	<24dB, ES class A, JA8-2022
SDCM	4 steps for end CCT
Materials	PC plastic driver box, Spinning aluminum reflector Optical PC diffuser
Power Factor	>0.9
Working Temperature	-40° - 114° F
Life Span	50,000 hrs

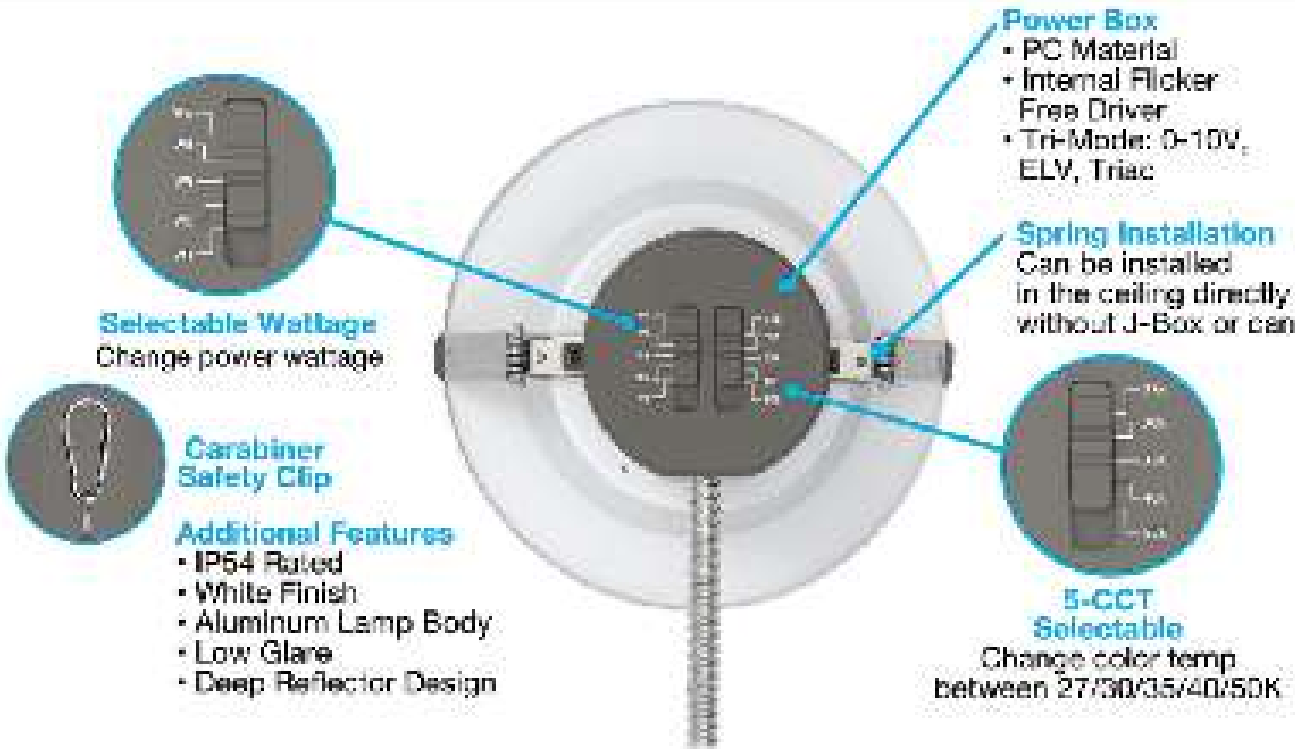
Dimensions



Part Number	Surface Diameter (D)	Overall Trim Diameter (D2)	Height (H)
TK-CDL3MAX-R4	4.43 inch	5.98 inch	3.61 inch
TK-CDL3MAX-R6	5.77 inch	8.41 inch	4.08 inch
TK-CDL3MAX-R8	7.16 inch	10.04 inch	4.41 inch
TK-CDL3MAX-R10	8.55 inch	11.38 inch	4.88 inch

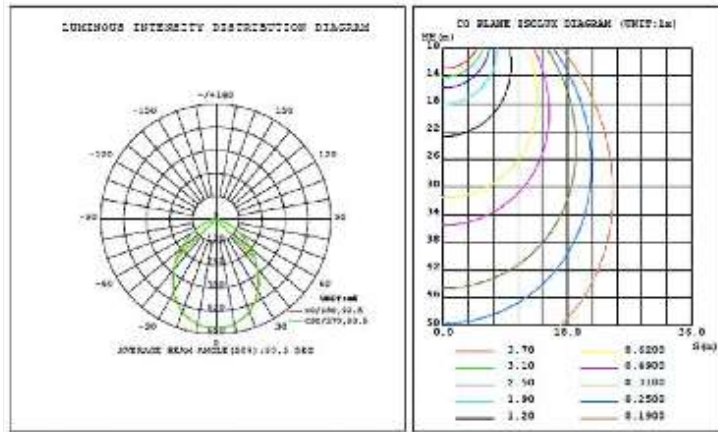
Part Number	Surface Diameter (D)	Length/Width (L)	Height (H)
TK-CDL3MAX-S4	4.40 inch	6.77 inch	5.08 inch
TK-CDL3MAX-S6	5.50 inch	8.35 inch	5.24 inch

Product Info- Graphic

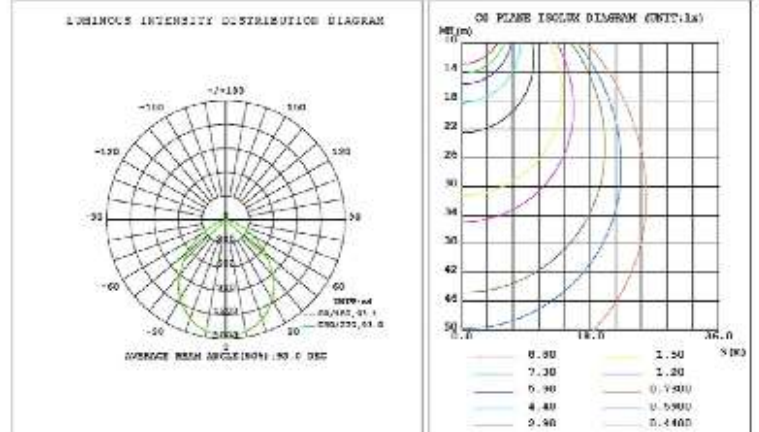


TK-CDL3MAXTM Series

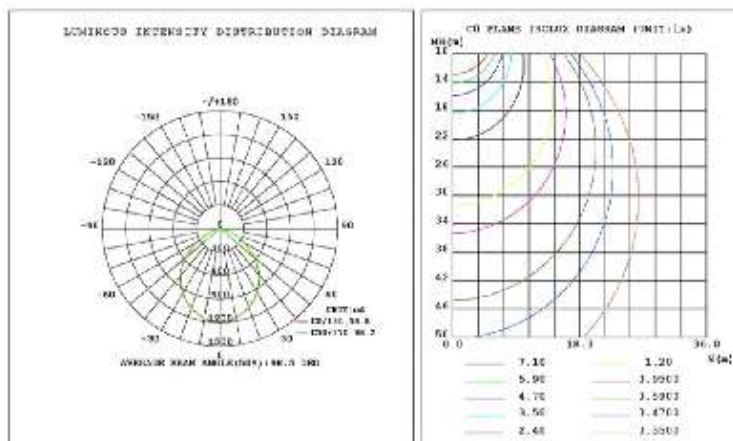
DATA OF LAMP			PHOTOMETRIC DATA			REF: 107.46 lm/W
MODEL			ISSUE (C/D)	617.1	S/MH (C/D/180)	1.16
NOMINAL POWER (W)	12	LOU (°)	120.0	S/MH (C/D/270)	1.15	
RATED VOLTAGE (V)	120	TOTAL BEAM (lm)	1253.6	+ UP, DM (C/D-180)	0.0, 0.2	
NOMINAL FLUX (lm)	1243.61	CIE CLASS	DIRECT	+ UP, DM (C/D-180-270)	0.0, 0.2	
LAMP DESIGN	1	q up (%)	0.0	CASE SHOWN	1.25	
TEST VOLTAGE (V)	120	q down (%)	100.0	CASE SHOWN	1.25	



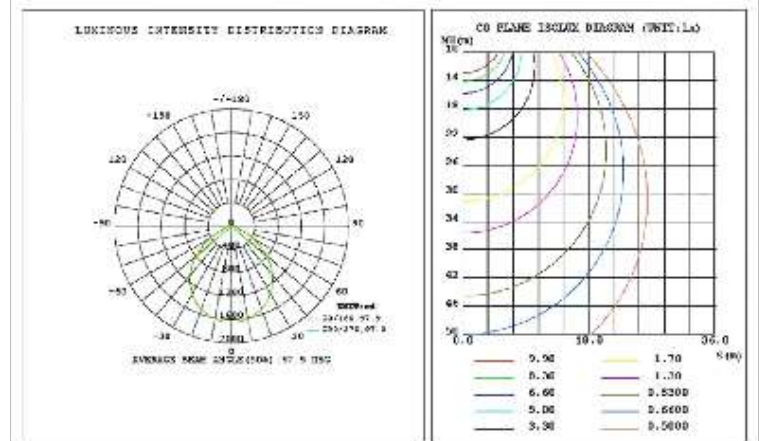
DATA OF LAMP		PHOTOMETRIC DATA				Ref: 103.9H 1m/W
MODEL		I _{max} (cd)	1464	5/30(CU/100)	1.17	
NOMINAL POWER(W)	30	LOK(%)	100.0	5/30(CU/270)	1.16	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3116.5	η _{UP,IN} (C1-180)	0.550.5	
NOMINAL FLUX(lm)	3116.54	CIE CLASS	DIRECT	η _{UP,IN} (C180 360)	0.44.4	
LAMP'S INSIDE	1	η _{up} (%)	0.6	CIESE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η _{down} (%)	100.0	CIESE SHR MAX	1.30	



DATA OF LAMP		ASTROPHOTIC DATA			
		SEE: 105.00 lm/m			
MODEL		Imax [cd]	1182	5.061 (C/180)	1.21
NOMINAL POWER [W]	25	100.0	100.0	5.061 (C/270)	1.20
RAISED VOLTAGE [V]	120	TOTAL FLUX [lm]	2404.0	n UP 28 (30-100)	6.9.90.3
NOMINAL FLUX [lm]	2400.59	CIE CLASS	DIRECT	n UP 28 (C/100-360)	6.9.90.3
LAMP BEHIND	1	n Up (s)	0.0	CIESE 800 NORM	1.25
TEST VOLTAGE [V]	120	n down (s)	100.3	CIESE 800 MAX	1.35

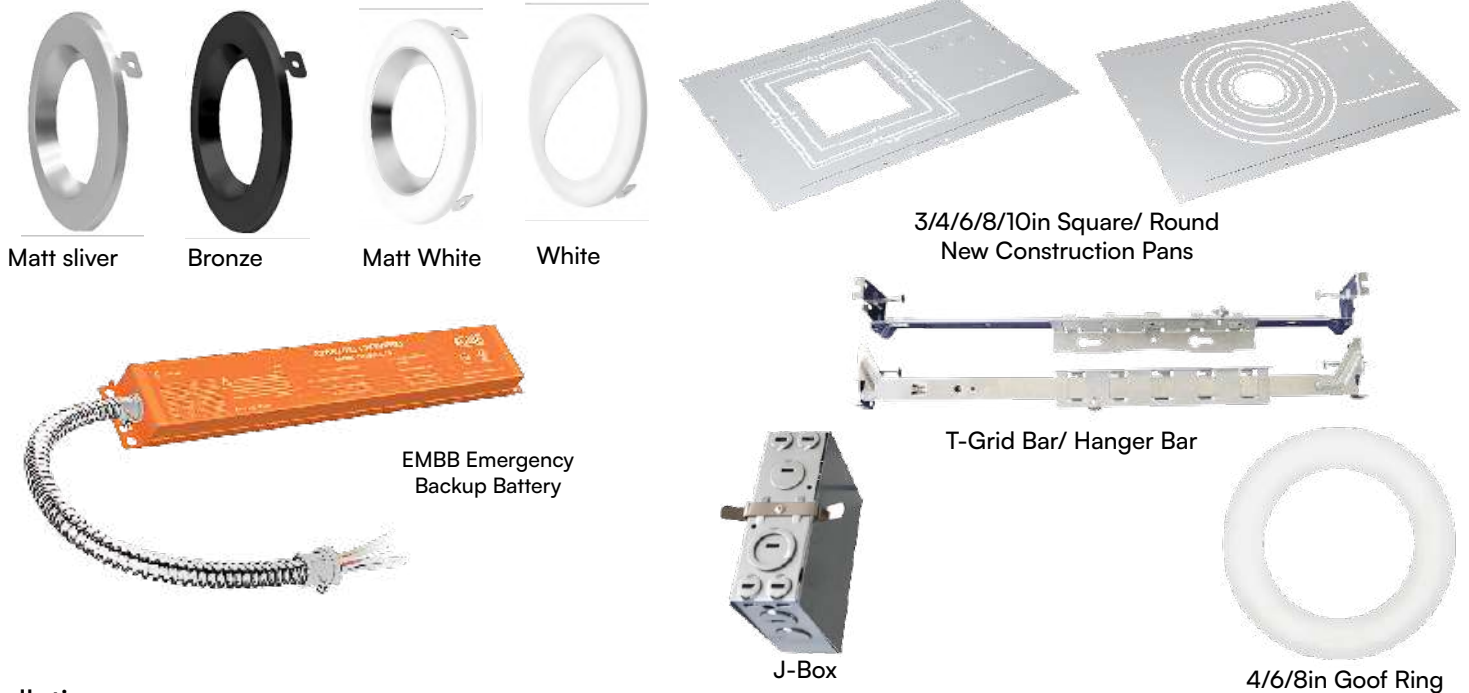


DATA OF LAMP		PHOTOMETRIC DATA			
		MCC: 105.29 lm/W			
MODEL		Imax(cd)	1649	5/90 (C0/160)	1.22
NOMINAL POWER (W)	74	TAH(°)	100.0	5/90 (C50/270)	1.21
RATED VOLTAGE (V)	120	TOTAL FLUX(lm)	3620.6	η CP, DH (C0-180)	1.3333
NOMINAL FLUX (Lx)	3620.62	CIE CLASS	DIRECT	η CP, DH (C180-260)	1.3333
LAMP'S BEAMS	1	η up (%)	0.0	CLASS 800 MAX	1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIRCUIT SUP NORM	1.25



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Accessories



Installation

Retrofit Installation

Note: The class 2 constant driver, for risk of electric shock, The junction box needs to connect the “Earth Wire”.

Step 1: Make sure the POWER is TURNED OFF while you are installing the products

Step 2: Choose CCT & lumens for your choice of light (Fig. 1);

Step 3: If existing lamp and trim are present, remove from ceiling or move it out of the way as it will not be needed during installation. Measure the ceiling opening to make sure the edge of the luminaire will cover the entire hole and still sit firmly in the ceiling before proceeding (Fig. 2)

Step 4: Attach the carabiner safety clip to the existing fixture housing (Fig. 3)

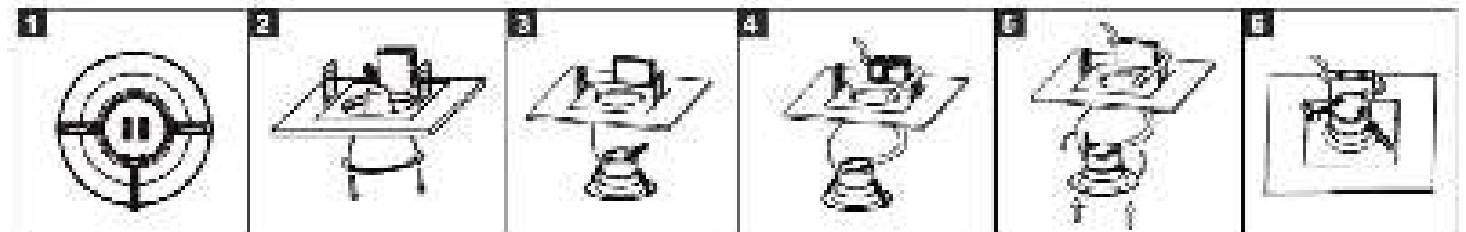
Step 5: Insert lamp conduit into the J-box and wire to power source, black to hot, white to neutral, violet to 0-10V dimming positive, pink to 0-10V dimming negative for the 0-10V dimming) (Fig. 4). Reattach J-box cover when done

Step 6: Squeeze the two housing clips so they are in an upright position and insert lamp into housing (Fig. 5)

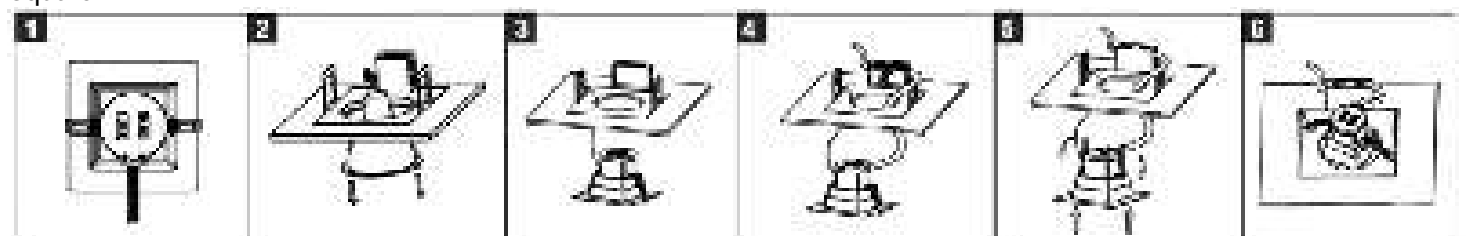
Step 7: Once lamp is inside the housing, release the housing clips and continue pushing lamp into housing until securely fixed and flush with ceiling (Fig. 6)

Step 8: Restore power at the source, installation is complete.

Round



Square



Installation

New Construction Installation

Note: The class 2 constant driver, for risk of electric shock, The junction box needs to connect the “Earth Wire”.

Step 1: Make sure the POWER is TURNED OFF in which you are installing the product;

Step 2: Choose CCT & lumens what's you want by dip switch (Fig.1)

Step 3: Attach the carabiner safety clip to the existing fixture housing (Fig.7)

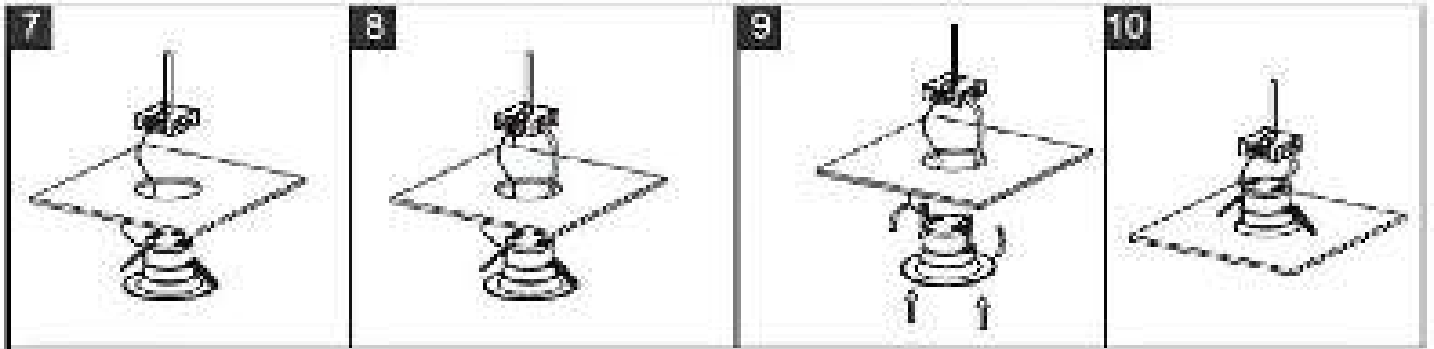
Step 4: Insert lamp conduit into the J-box and wire to power source, black to hot, white to neutral (violet to 0-10V dimming positive, pink to 0-10V dimming negative for the 0-10V dimming) (Fig. 8). Reattach J-box cover when done

Step 5: Squeeze the two housing clips so they are in an upright position and insert lamp into opening (Fig.9)

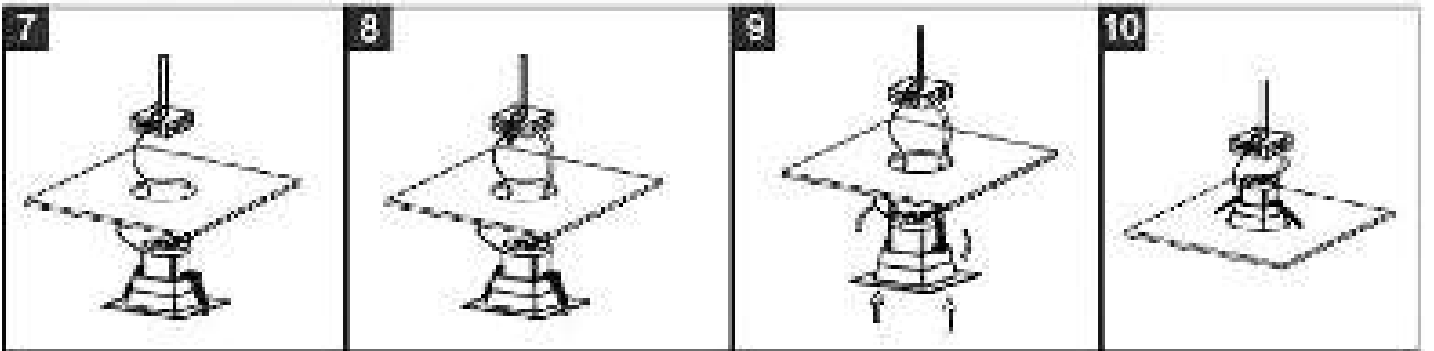
Step 6: Once lamp is inside the opening, release the housing clips and continue pushing lamp into opening until securely fixed and flush with ceiling (Fig.10)

Step 7: Restore power at the source and the installation is complete.

Round



Square



Warning:

Turn off electricity at main fuse box (or circuit breaker box) before beginning installation by removing fuse (or switching off circuit breaker).

Be careful not to damage or cut the wire insulation (covering) during fixture installation. Do not permit power cord or housing to contact any surface having a sharp edge. To do so may damage or cut the wire insulation, which could cause serious injury or death from electric shock.

This fixture requires 120-347V power input. The installer must confirm the input power at the source prior to installation.

