



LED Light Frames



LED Light Frames

Light Diffusion Agencies is an Australian owned company supplying Australian designed, high quality, light weight LED light frames for commercial applications. What is unique about our range?

Our vented, surface mounted and recessed panel light frames have been tested and approved for seismic use and comply with the National Construction Code and Australian Standard AS1170.4 'Earthquake actions in Australia'.

Fabricated from lightweight aluminium extrusions our light frames are easier to handle & install and reduce ceiling loads (other brands are fabricated from steel and weighed as much as 10kg – our heaviest triple vent weighs around 4kg).

Surface mount frames are designed for ease of installation using no visible external fixings (other brands have complicated methods for installing involving disassembly and reassembly, or visible external screws holding the frame together).

Internal flexible clips help retain and perfectly locate the LED panel in the centre of the frame (other brands have the LED panel just sit loose in the frame). Our design ensures varying thickness light panels sit perfectly flat against the frame and stop any possible rattling of the LED panel in the frame.

Our triple vent return air light frame features an extruded aluminium black anodised dust cover as standard (others brands require a separate sight plate). Our recessed light frames feature specially engineered 'quick-fit spring clips' that save time and reduce installation costs.

Do you have a project you would like us to take a look at? Would you like to hear more about the unique features of our range? Don't hesitate to get in touch.

Send us an email to sales@lightdiffusion.com.au or phone (08) 8116 3600



LED Light Frames

VENTED LIGHT FRAMES



CODE: LLF0412VS
LED LIGHT FRAME 1200X400 VENTED (SINGLE)
Panel size: 1195mm x 295mm
Frame size: 1196mm x 396mm
Suits: Supply Air light troffer application T-BAR Ceilings
(LED light panel not included)



CODE: LLF0612VS
LED LIGHT FRAME 1200X600 VENTED (SINGLE)
Panel size: 1195mm x 595mm
Frame size: 1196mm x 596mm
Suits: Supply Air light troffer application T-BAR Ceilings
(LED light panel not included)



CODE: LLF0612VT
LED LIGHT FRAME 1200X600 VENTED (TRIPLE)
Panel size: 1195mm x 295mm
Frame size: 1196mm x 596mm
Suits: Return Air plenum ceiling application T-BAR Ceilings
(LED light panel not included)

SURFACE MOUNTED LIGHT FRAMES



CODE: LLF0312SM
LED LIGHT FRAME 1200X300 SURFACE MOUNT
Panel size: 1195mm x 295mm
Frame size: 1209mm x 309mm X 48mm
(LED light panel not included)



CODE: LLF0606SM
LED LIGHT FRAME 600X600 RECESSED
Panel size: 595mm x 595mm
Frame size: 659mm x 659mm
(LED light panel not included)

RECESSED LIGHT FRAMES WITH QUICK-FIT SPRING CLIPS



CODE: LLF0312R
LED LIGHT FRAME 1200X300 RECESSED
Panel size: 1195mm x 295mm
Frame size: 1259mm x 359mm
(LED light panel not included)



CODE: LLF0606R
LED LIGHT FRAME 600X600 RECESSED
Panel size: 595mm x 595mm
Frame size: 659mm x 659mm
(LED light panel not included)

*Safety hangers provided for seismic applications.
Tested to AS60068.3.3 Environmental testing: Guidance – Seismic test methods for equipment*



INSTALLATION GUIDE

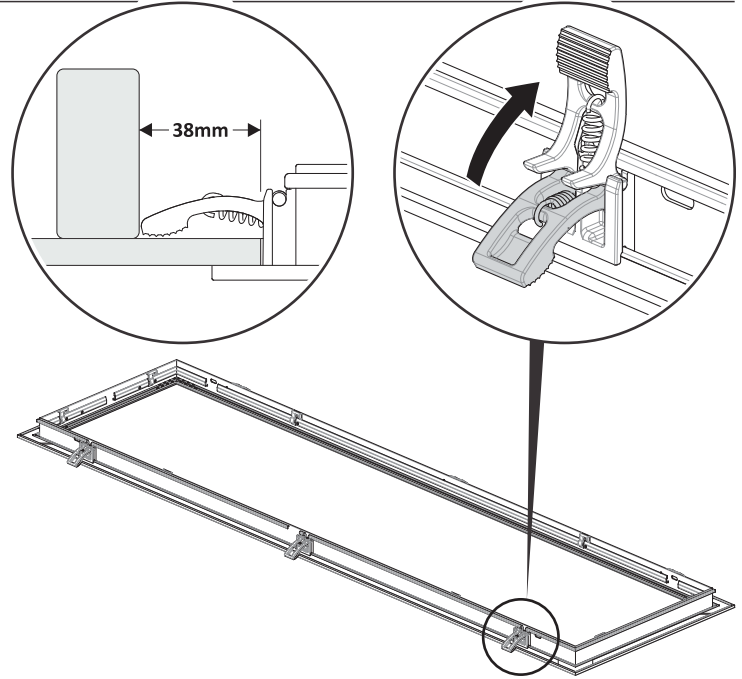
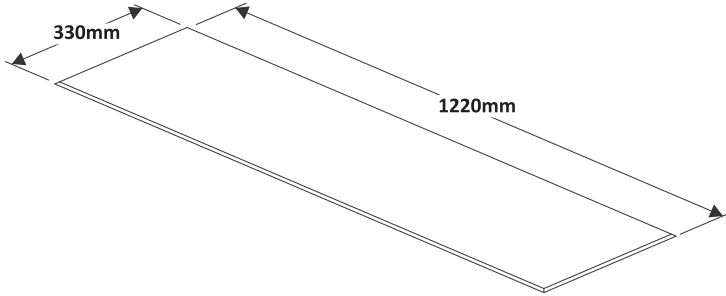
RECESSED with QUICK-FIT SPRING CLIPS

CODE: LLF0312R

To suit LED Ceiling Panels

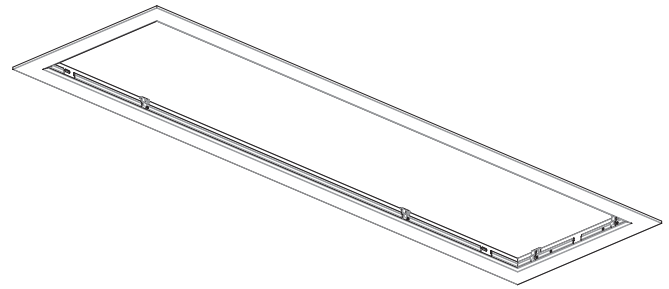
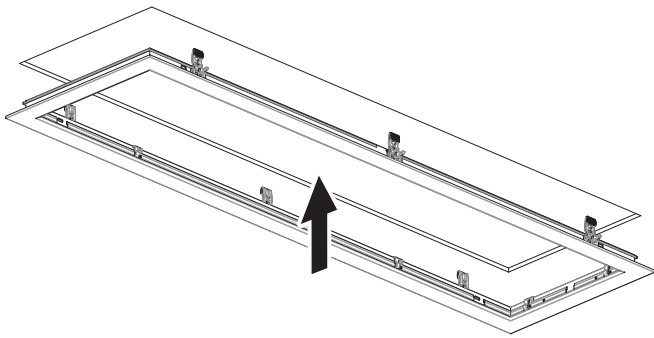
Panel size: 1195mm x 295mm

Frame size: 1259mm x 359mm



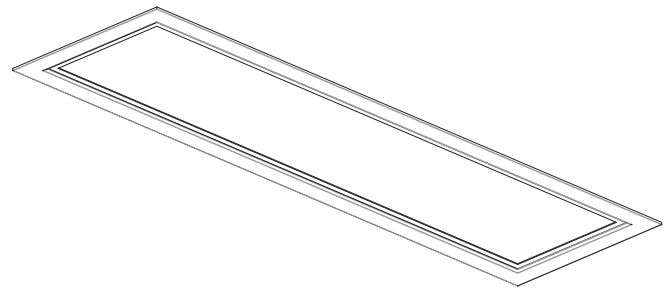
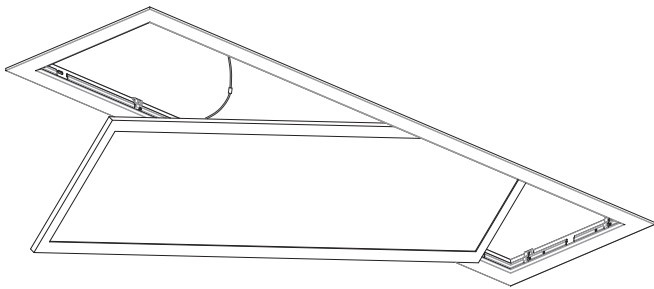
1. Neatly cut hole in gyprock ceiling.

2. Pull back each of the spring clips. Ensure there is clearance around the hole in the gyprock for the clips to engage.



3. Carefully push frame up into hole - the spring clips will automatically engage.

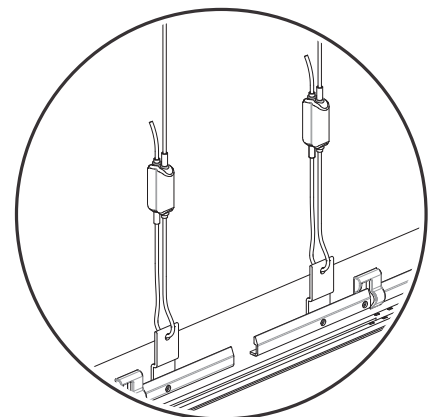
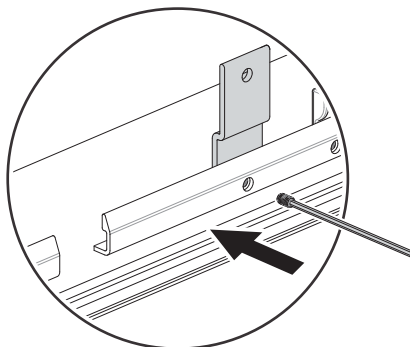
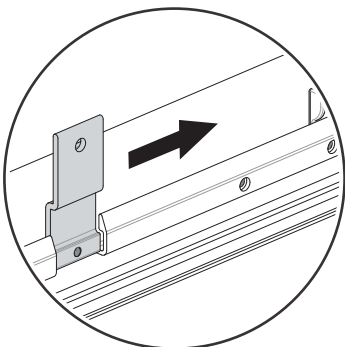
4. Check frame is square and secure in ceiling.



5. Angle LED light panel into frame and plug in power supply.

6. Lower LED light panel onto outer edges of frame, ensuring a secure fit.

NOTE: For applications where the frame is required to be secured by wire cables, slide in supplied hanger from centre slot of the frame and secure with grub screw. Hangers can then be used with wire cable to secure frame.



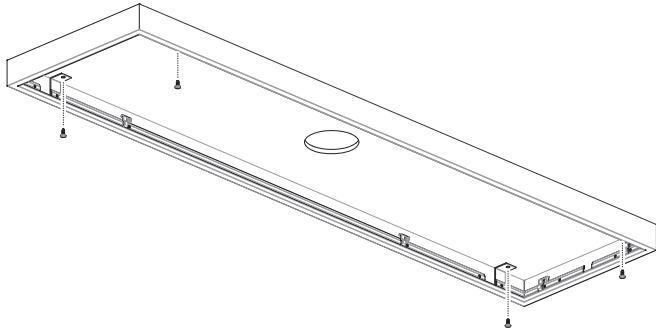
INSTALLATION GUIDE SURFACE MOUNT

CODE: LLF0312SM

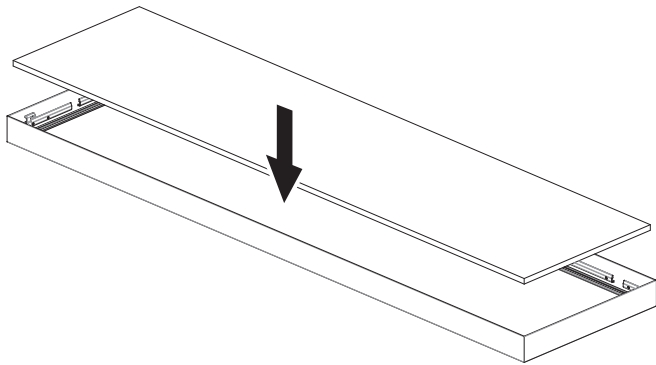
To suit LED Ceiling Panels

Panel size: 1195mm x 295mm

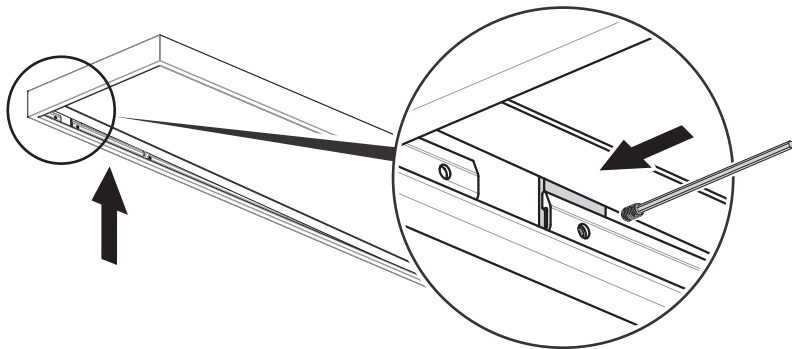
Frame size: 1209mm x 309mm x 48mm



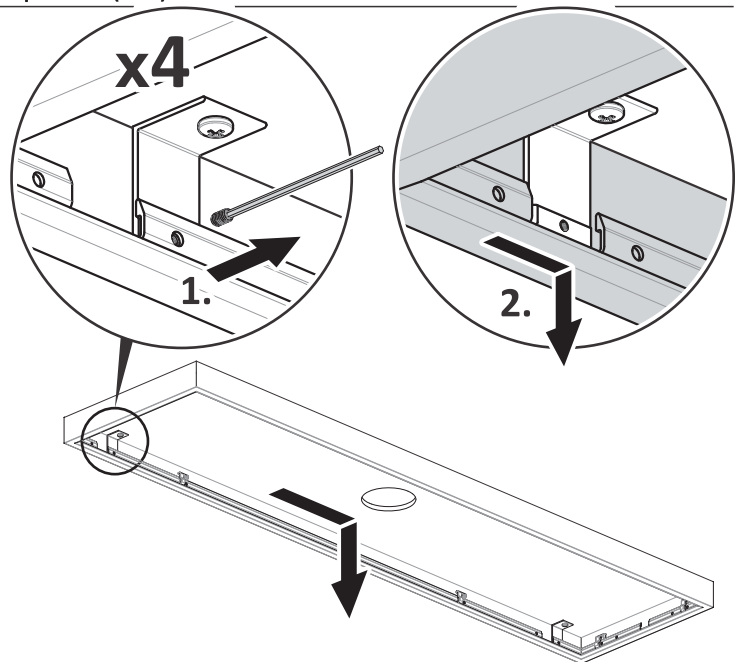
1. Fix frame to ceiling in desired location using appropriate fixings suitable for the ceiling material.



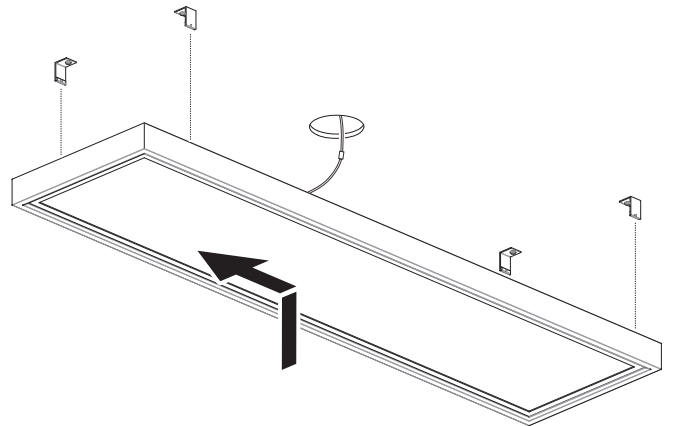
3. Assemble LED light panel into the frame.



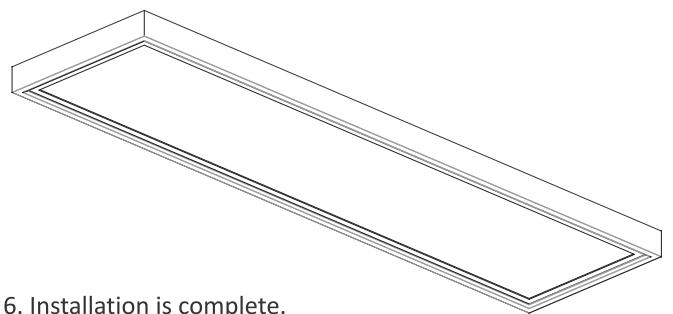
5. Tilt LED light panel and ensure frame is aligned with the surface mount hangers, then secure frame to the hangers with grub screws.



2. Undo grub screws that hold frame to the surface mount hangers and slide frame across and down to remove.

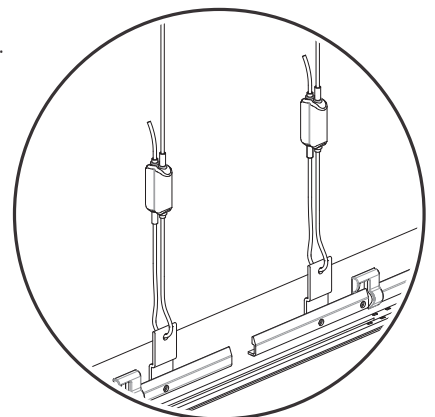
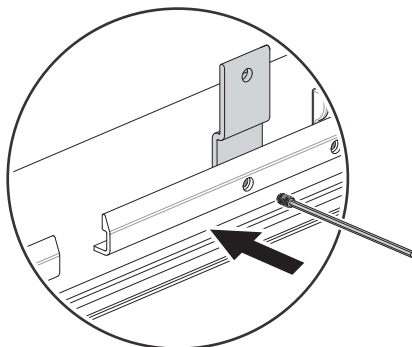
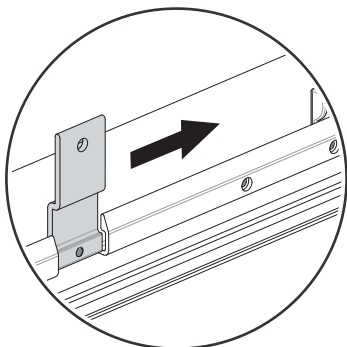


4. Lift frame up towards the ceiling, plug in power supply then locate frame on surface mount hangers and slide across



6. Installation is complete.

NOTE: For applications where the frame is required to be suspended by wire cables, slide in supplied hanger from centre slot of the frame and secure with grub screw. Hangers can then be used with wire cable to suspend the frame.



INSTALLATION GUIDE

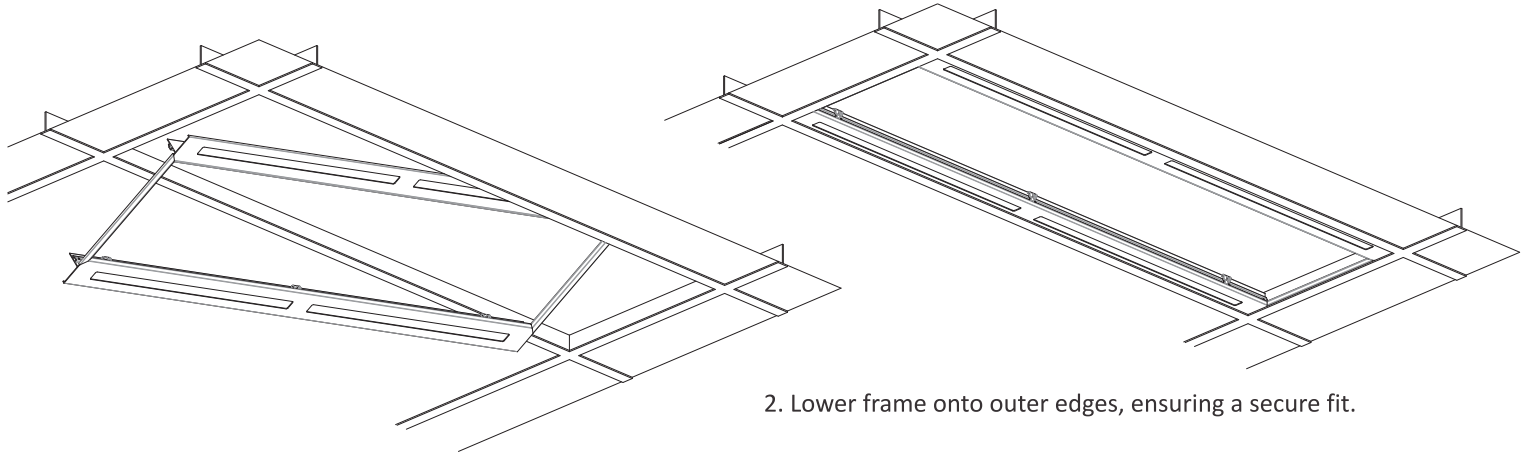
VENTED (SINGLE) for T-BAR CEILINGS

CODE: LLF0412VS

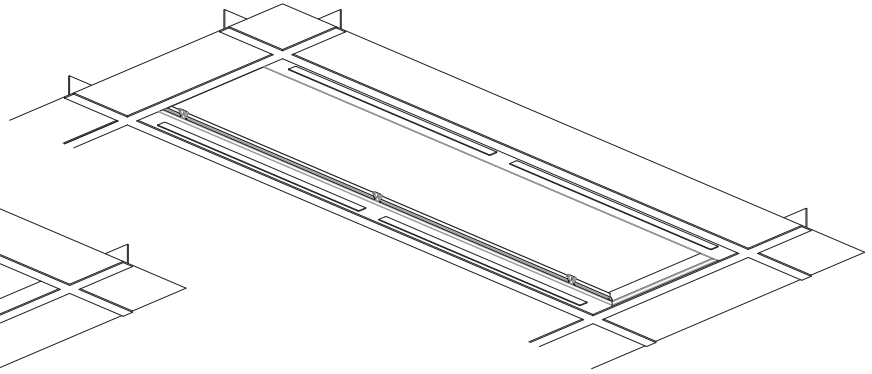
To suit LED Ceiling Panels

Panel size: 1195mm x 295mm

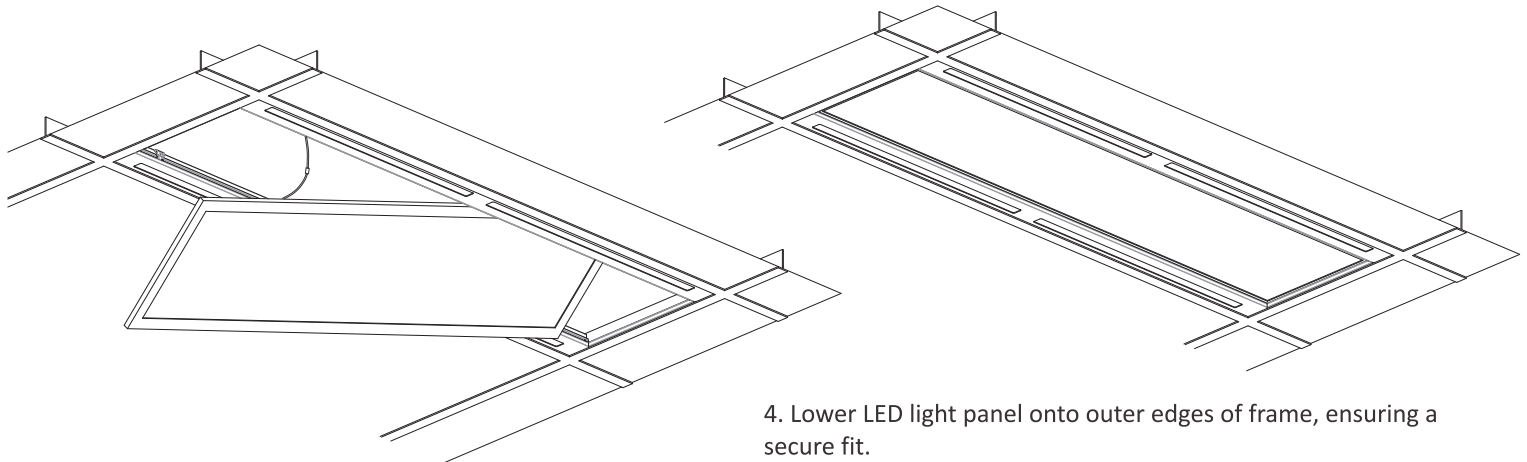
Frame size: 1196mm x 396mm



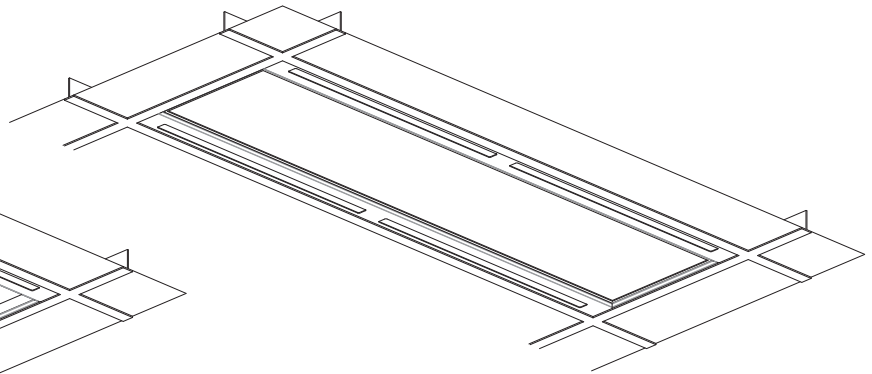
1. Angle frame into T-Bar ceiling.



2. Lower frame onto outer edges, ensuring a secure fit.

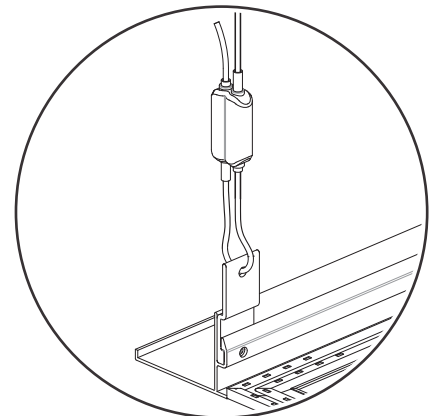
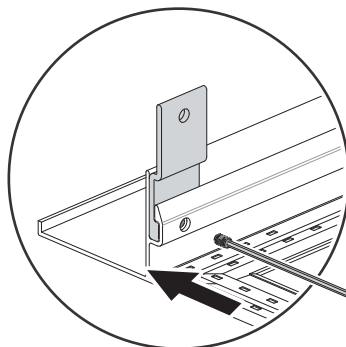
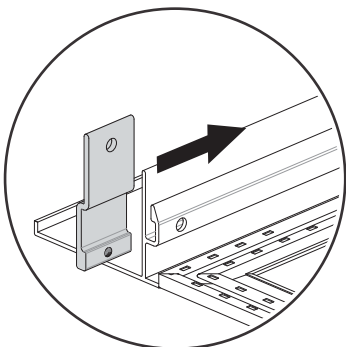


3. Angle LED light panel into frame and plug in power supply.



4. Lower LED light panel onto outer edges of frame, ensuring a secure fit.

NOTE: For applications where the frame is required to be secured by wire cables, slide in supplied hanger from centre slot of the frame and secure with grub screw. Hangers can then be used with wire cable to secure frame.



INSTALLATION GUIDE

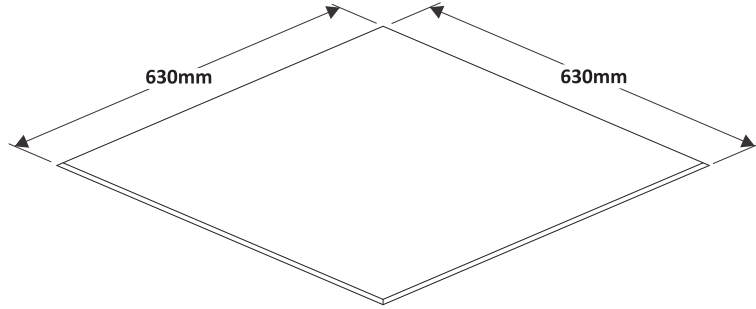
RECESSED with QUICK-FIT SPRING CLIPS

CODE: LLF0606R

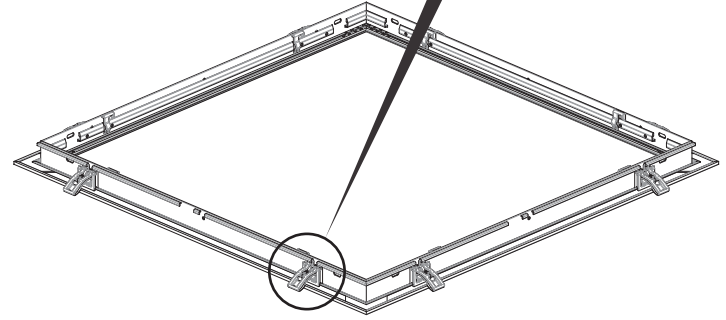
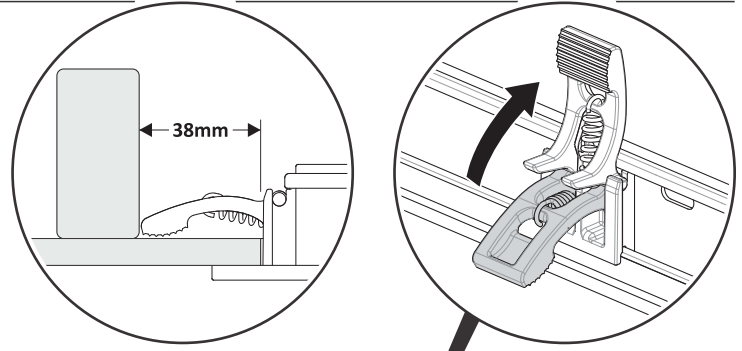
To suit LED Ceiling Panels

Panel size: 595mm x 595mm

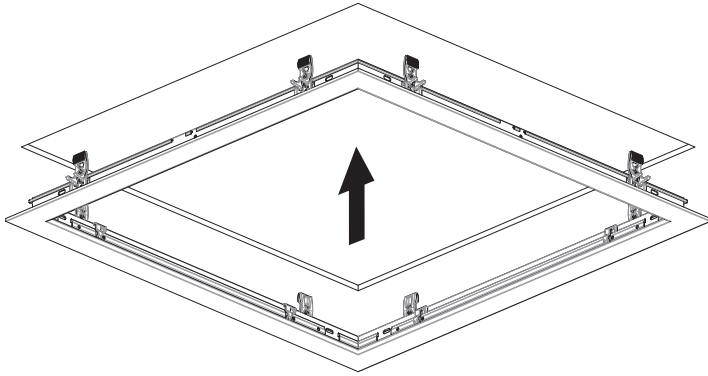
Frame size: 659mm x 659mm



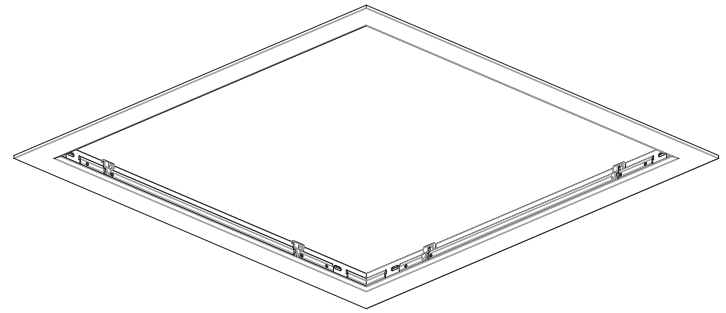
1. Neatly cut hole in gyprock ceiling.



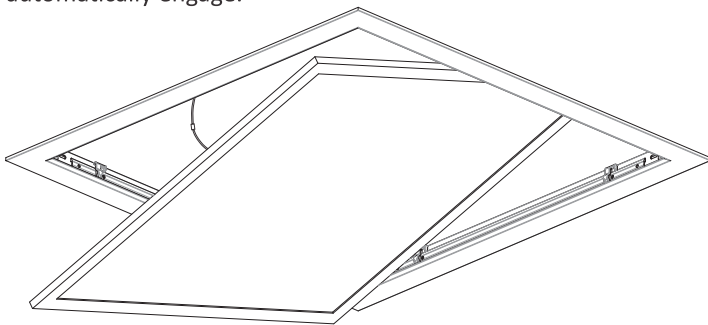
2. Pull back each of the spring clips. Ensure there is clearance around the hole in the gyprock for the clips to engage.



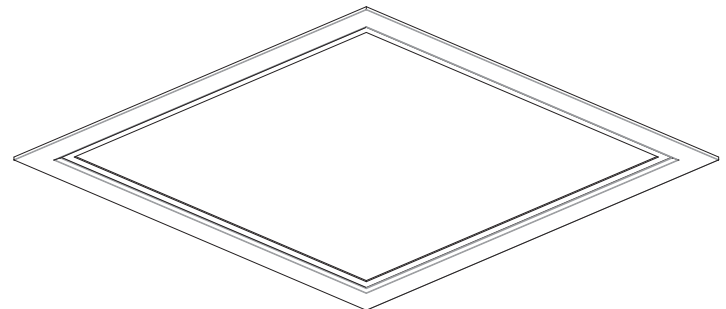
3. Carefully push frame up into hole - the spring clips will automatically engage.



4. Check frame is square and secure in ceiling.

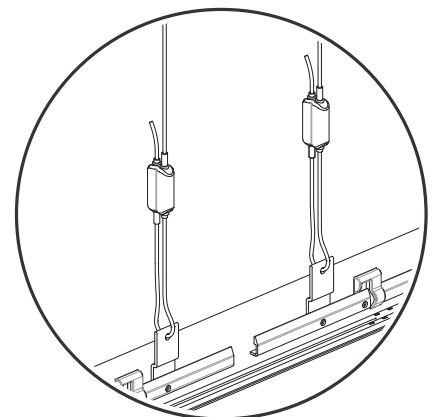
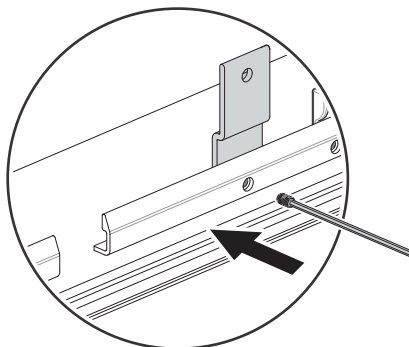
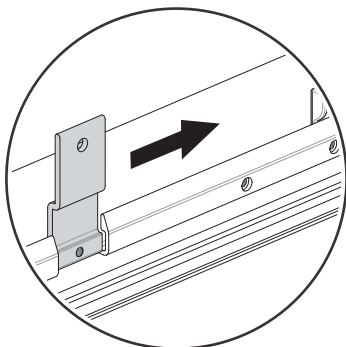


5. Angle LED light panel into frame and plug in power supply.



6. Lower LED light panel onto outer edges of frame, ensuring a secure fit.

NOTE: For applications where the frame is required to be secured by wire cables, slide in supplied hanger from centre slot of the frame and secure with grub screw. Hangers can then be used with wire cable to secure frame.



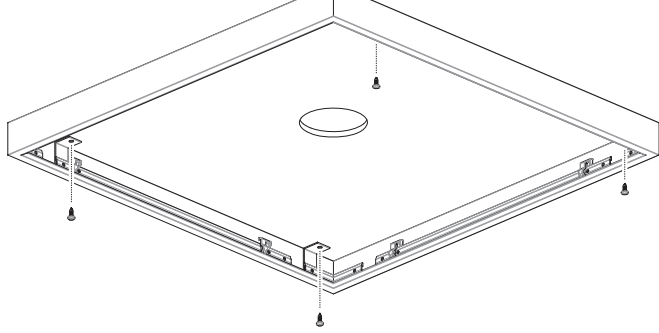
INSTALLATION GUIDE SURFACE MOUNT

CODE: LLF0606SM

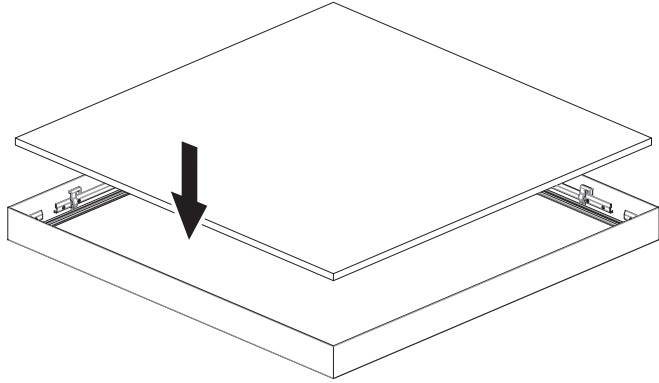
To suit LED Ceiling Panels

Panel size: 595mm x 595mm

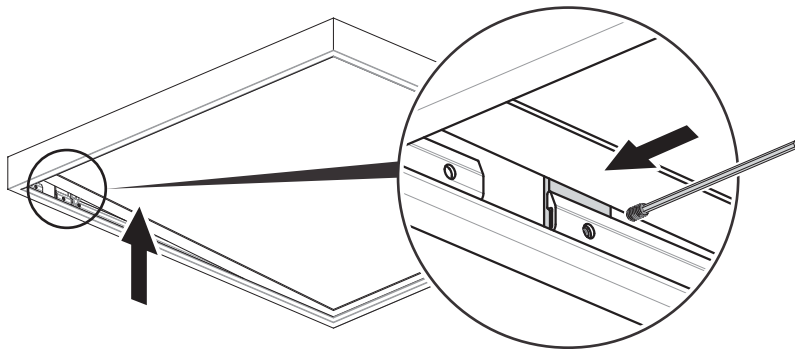
Frame size: 609mm x 609mm x 48mm



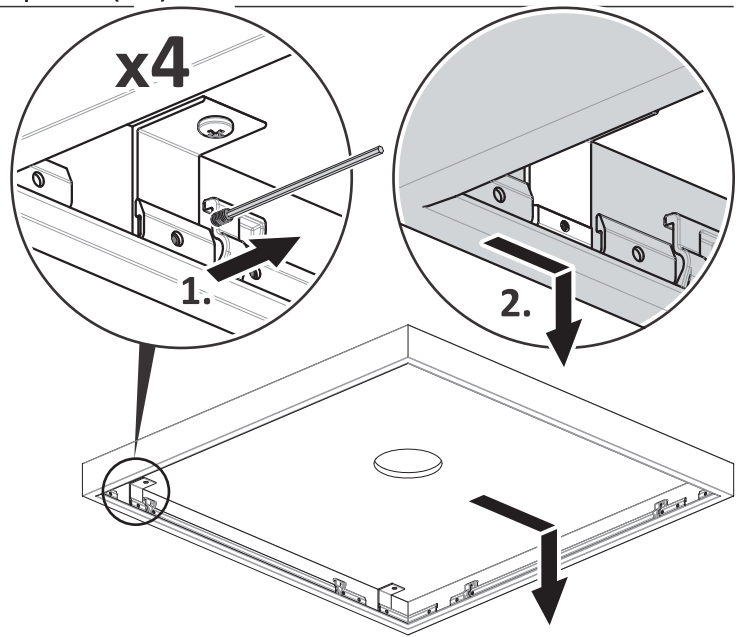
1. Fix frame to ceiling in desired location using appropriate fixings suitable for the ceiling material.



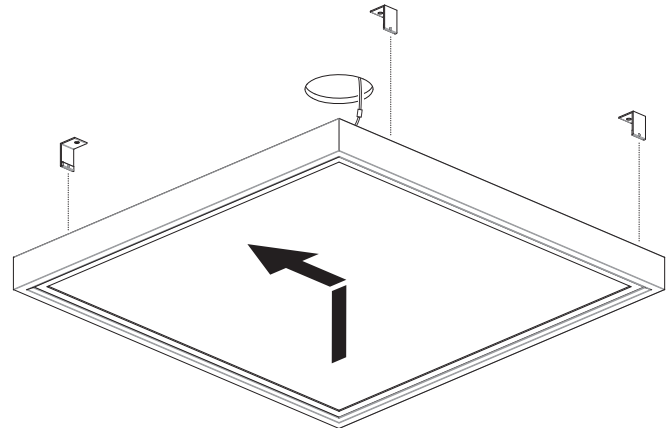
3. Assemble LED light panel into the frame.



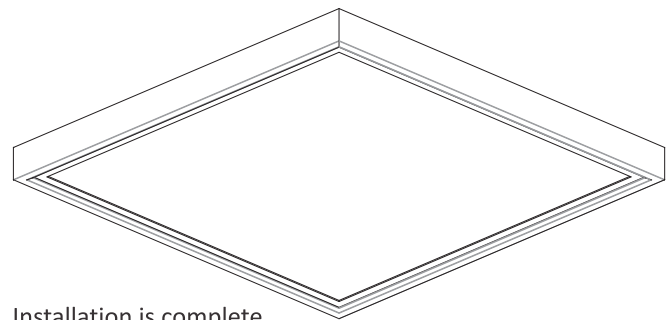
5. Tilt LED light panel and ensure frame is aligned with the surface mount hangers, then secure frame to the hangers with grub screws.



2. Undo grub screws that hold frame to the surface mount hangers and slide frame across and down to remove.

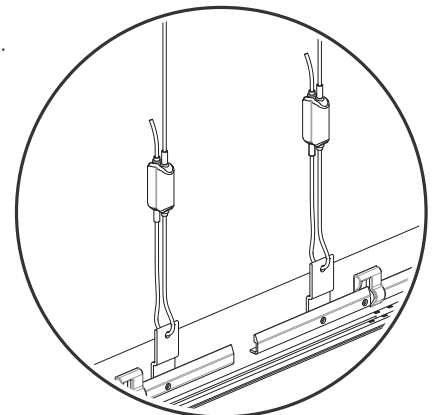
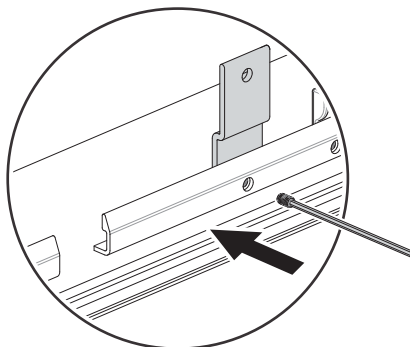
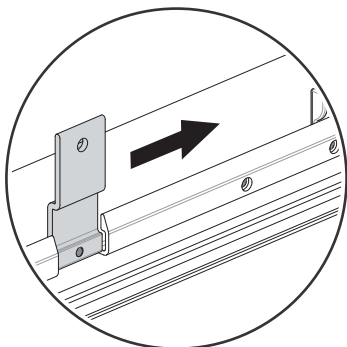


4. Lift frame up towards the ceiling, plug in power supply then locate frame on surface mount hangers and slide across



6. Installation is complete.

NOTE: For applications where the frame is required to be suspended by wire cables, slide in supplied hanger from centre slot of the frame and secure with grub screw. Hangers can then be used with wire cable to suspend the frame.



INSTALLATION GUIDE VENTED (TRIPLE) for T-BAR CEILINGS

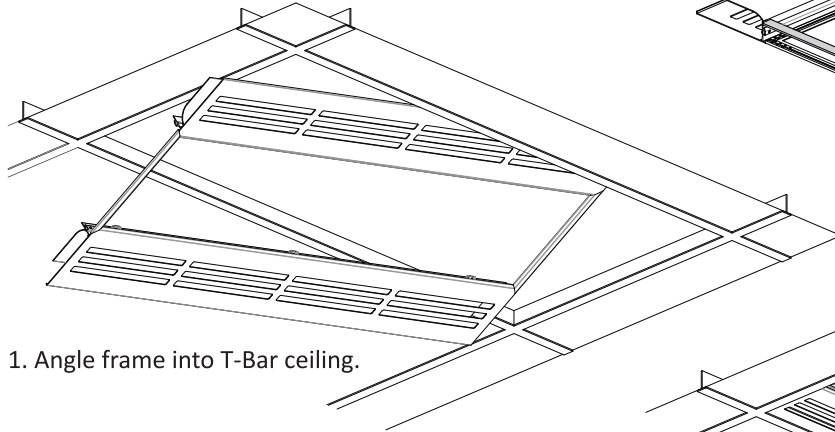
CODE: LLF0612VT

To suit LED Ceiling Panels

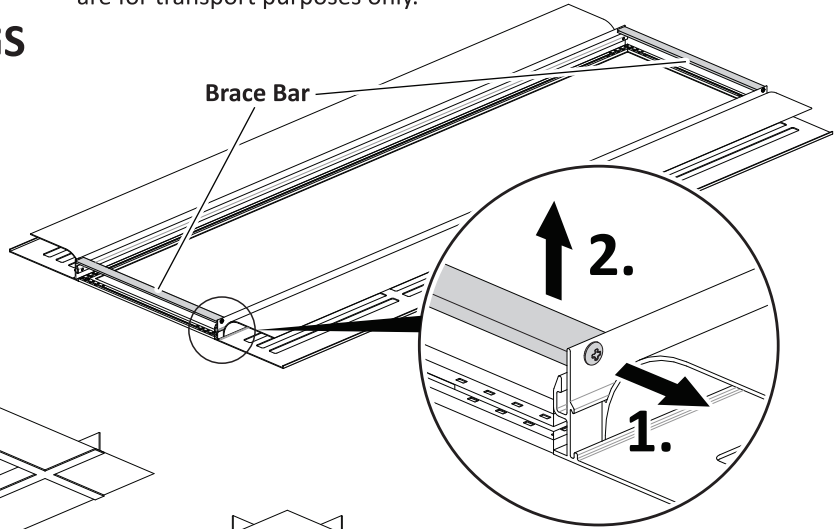
Panel size: 1195mm x 295mm

Frame size: 1196mm x 596mm

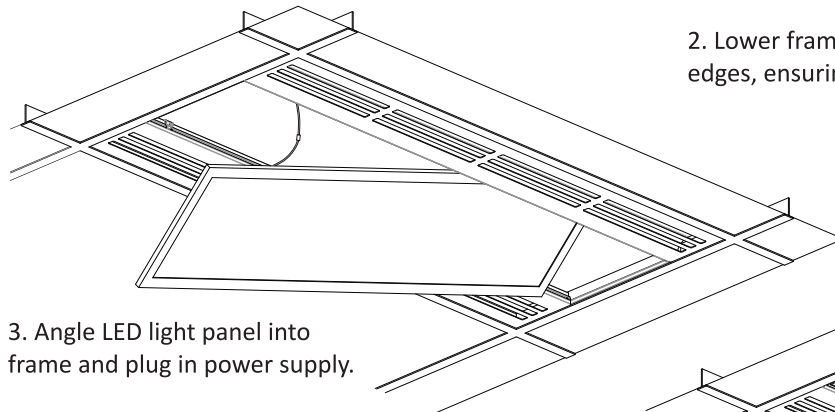
NOTE: Ensure Brace Bars (x2) are removed prior to installation - they are for transport purposes only.



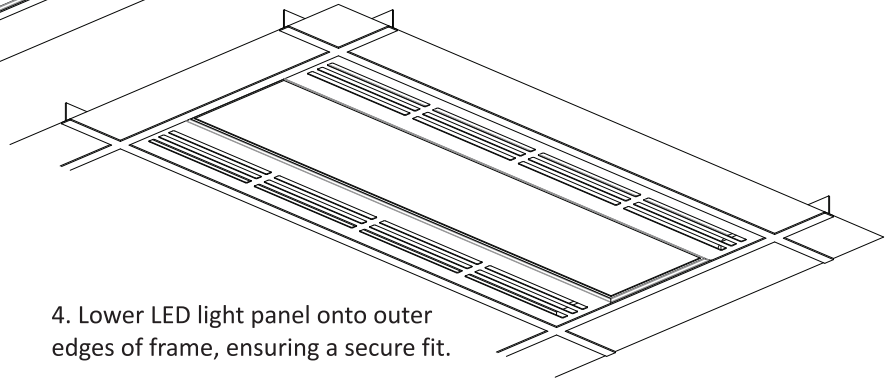
1. Angle frame into T-Bar ceiling.



2. Lower frame onto outer edges, ensuring a secure fit.

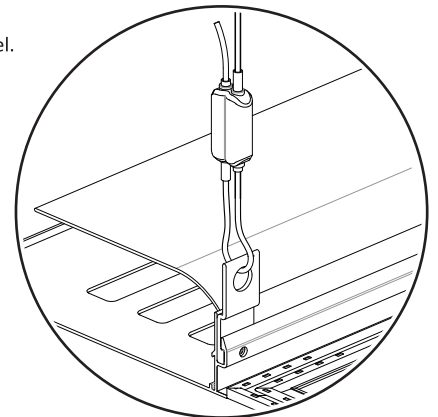
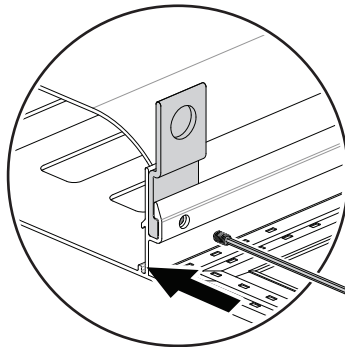
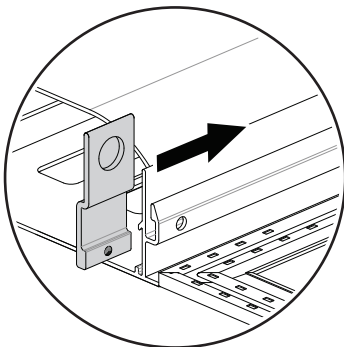


3. Angle LED light panel into frame and plug in power supply.



4. Lower LED light panel onto outer edges of frame, ensuring a secure fit.

NOTE: For applications where the frame is required to be secured by wire cables, slide in supplied hanger from end of the frame and secure with grub screw. Hangers can then be used with wire cable to secure frame and/or LED light panel.



99-109 Frederick St Welland SA 5007

P: 08 8116 3600, F: 08 8116 3605, E: sales@lightdiffusion.com.au



www.lightdiffusion.com.au