


2124X - Cone 130  
 2163X - Round 110  
 2161X - Round 110 Dark  
 2167X - Round Tilt 120  
 2165X - Round Tilt 120 Dark

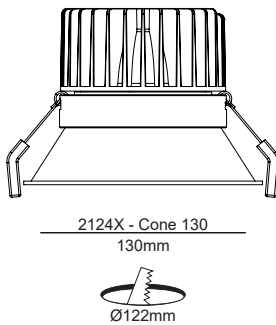
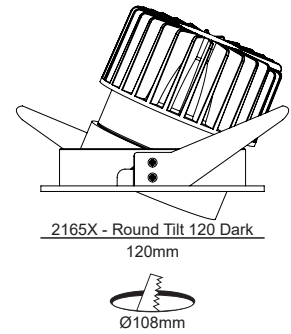
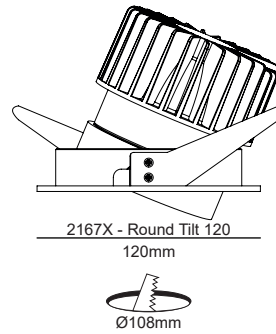
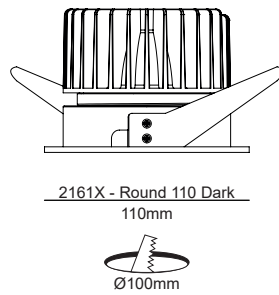
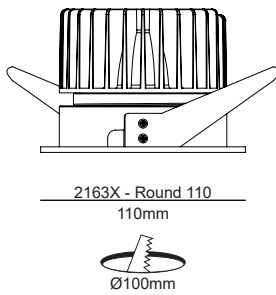
Read these instructions before commencing installation and retain for future reference.  
 This leaflet is for installation guidance only, it does not indicate suitability for use or application.

**WARNING** - Isolate the electrical supply before undertaking any electrical/wiring activities.  
 Installation should be undertaken by a competent electrician in accordance with the relevant wiring/building regulations applicable to the site/installation.

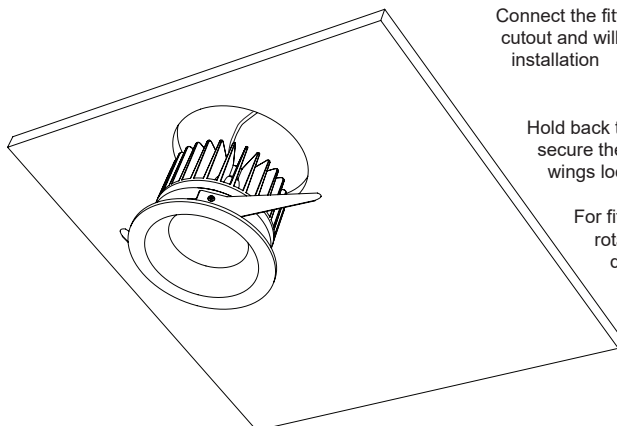
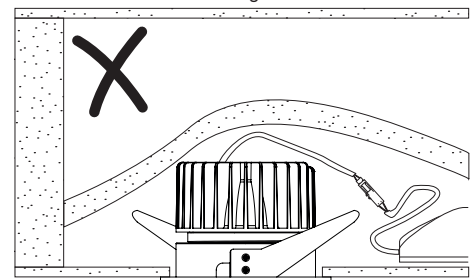
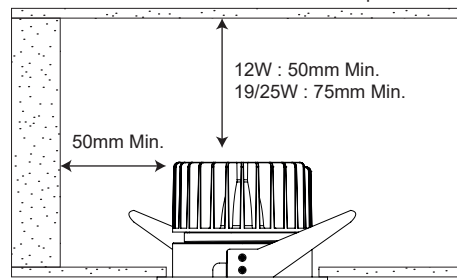


Specification			LED Driver wiring, please refer to driver label and instructions for full details.
Mounting	Recessed		Input L : Live (Brown) N : Neutral (Blue)
Ingress	Fixed IP44 as standard with IP65 option Tilt IP20		
Driver	Constant current For driver specifications, please see driver label		Output + : Positive (Red) - : Negative (Black)
Standards			
Downlight	EN 60598-2-2	} Recessed luminaire requirements	
Driver	EN 61347-2-3		
	EN 62384	} Electronic control gear for LED Drivers	
	EN 55015		
	EN 61000-3-2	} EMC requirements	
	EN 61547		

## Hole Cutout



Ensure surface is suitable for installing the downlight  
 Cut hole in ceiling allowing adequate clearances around the fitting, ensure location is free from insulation material and where the ambient temperature will not exceed the drivers ta rating.



Connect the fitting to the LED driver, ensure that the LED driver is pushed away from the cutout and will not interfere with the fitting. Ensure that any IP rated gaskets are fitted before installation

Hold back the retention wings or springs and insert into ceiling void, the wings will spring back and secure the fitting into place. To ensure the fitting is secure, rotate the fitting clockwise to help the wings lock into place

For fittings with fixing wings remove by gently pulling the fitting away from ceiling whilst rotating anti-clockwise, once the wings are visible, hold them back to ensure they do not damage the ceiling finish.

For fittings with fixing springs remove by gently pulling the fitting away from ceiling once the springs are visible, hold them back to ensure they do not damage the ceiling finish



**WARNING**  
 Always isolate the mains supply whilst connecting LED engine to driver. Failure to do so could cause damage to the LED engine and LED driver