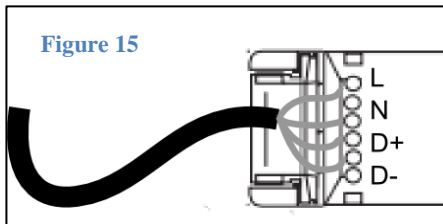


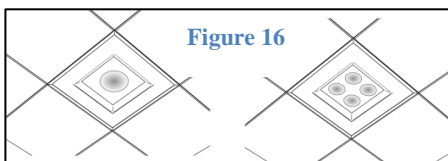
Accessories

Figure 15



Blue LED halo strip is a remote driver option and should be wired separately from the main luminaire as per figure 15.

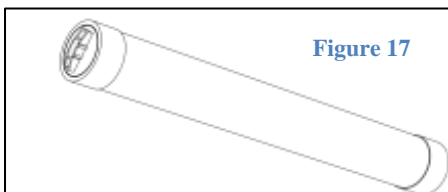
Figure 16



Downlighter cutout

If you have selected a down lighter accessory, it will be shipped separately and should be installed as per the included instruction.

Figure 17



Batteries

If you have an emergency version of the luminaire, connect the batteries once there is a permanent unswitched supply in place.

GENERAL INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
- 2) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 3) Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.

TECHNICAL SUPPORT

Telephone: 0161 331 5700

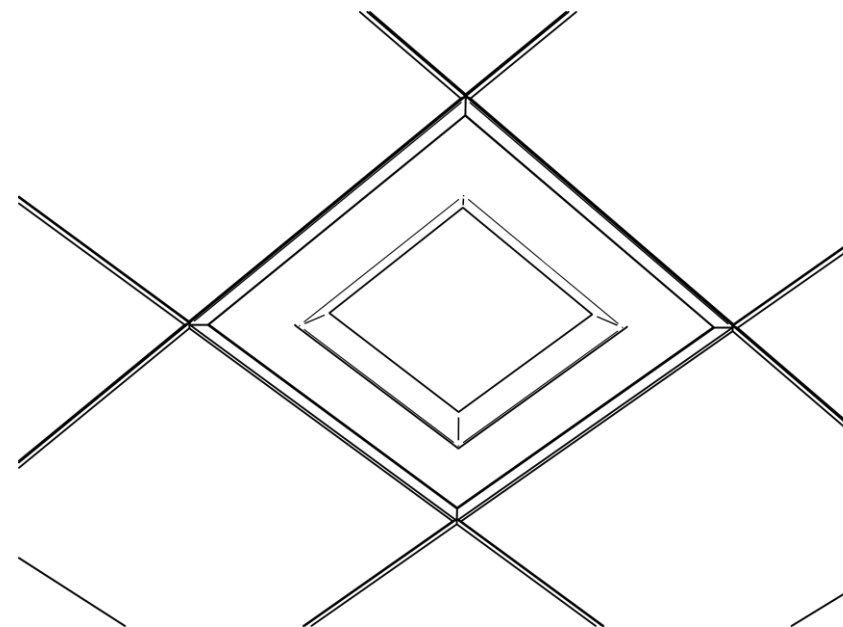
E-mail: technical@whitecroftlight.com

<http://www.whitecroftlighting.com/>



DUO 3

Installation Instruction



PK/DUO3INSTLEAFLET

March 2014 - Rev 1

Whitecroft Lighting Limited

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX
Telephone +44 (0)870 5 087 087 Facsimile: +44 (0)870 5 084 210
www.whitecroftlighting.com

Registered No. 3848973 England

Registered Office: As above



SPECIFICATION

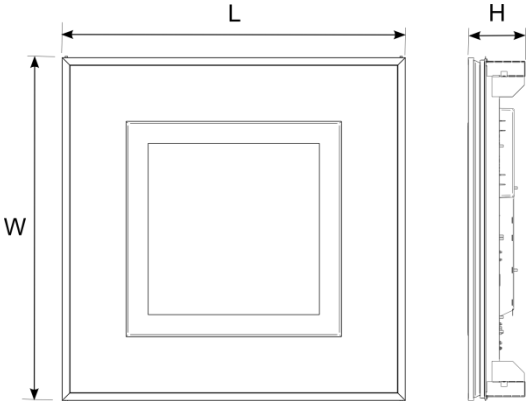
Lamp types	4000lm - 4000K 3300lm - 4000K 1200lm - 4000K	
Materials	Sheet metal back body, with aluminum extruded front frame and plastic diffuser set	
Supply	220-240V	
Power	4000lm 40W 3300lm 36W 1200lm 18W	
Operating temp	0°c to 25°c	
Connection	Terminal block 0.75mm² to 1.5mm² up to 6 core cable.	
Ingress protection	IP44 from front, IP20 from behind	

Figure 1

DIMENSIONS

Version	L	W	H	KG(STD)	KG(EM)
Tegular	585	585	90	4.0	5.5
Spring T	599	599	90	4.0	5.6

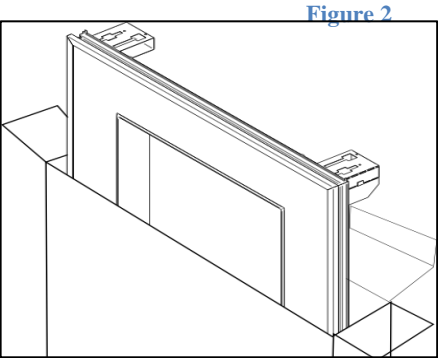


Figure 2

INSTALLATION

Remove the luminaire from the carton; inspect the visual faces for any scratches. The box will include

- The luminaire
 - Universal mounting bracket kit
 - Installation Leaflet
 - Installation gloves (to prevent marks on the diffuser)
- Please note, any down light accessories will be shipped separately.**

Brackets

The Duo 3 can fit into a range of ceilings listed in figure 3. The bracket kit can be fitted to the body in different ways to suit the ceiling types.

Spring T and ½ spring T use fold out tabs, so the supplied brackets will not be required for installation in these ceiling types.

Ceiling	Bracket location	Orientation
T25 (XT)	B	Up
T15 Tegular (XT)	B	Up
A-bar spring T	A	Up
A-bar spring T S	B	Down
Full spring T	-	N/A
Half spring T	-	N/A
Alugrid 15/08	A	Up
Alugrid 15/16	B	Down

Figure 3

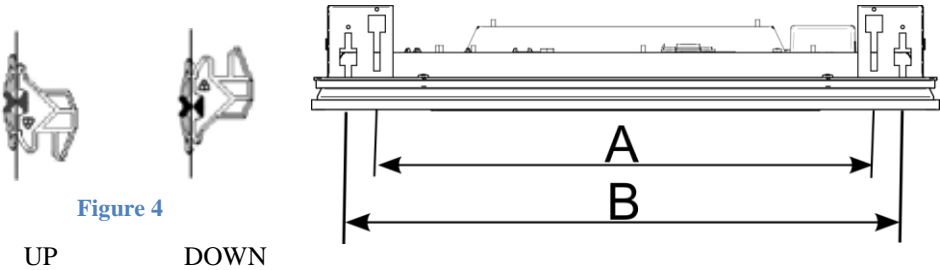


Figure 4

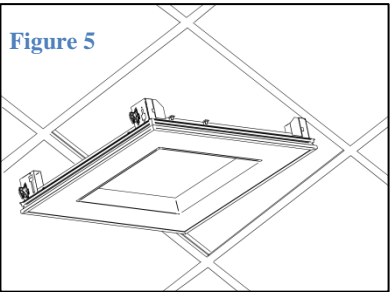


Figure 5

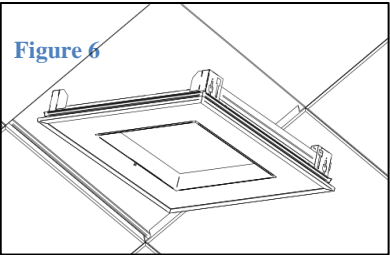


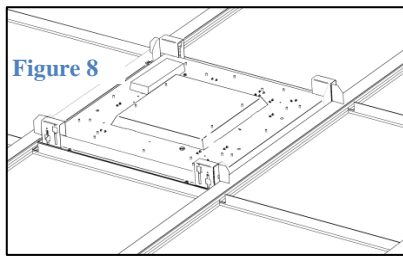
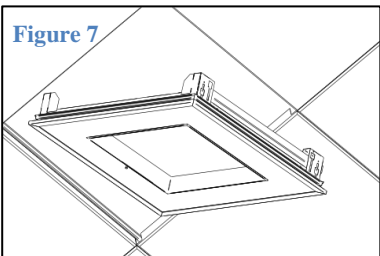
Figure 6

For XT ceilings

Attach the supplied brackets as per figure 4. Present the luminaire to the grid ceiling at an angle as per figure 5, and push through grid. Once above the ceiling, lay onto the grid the brackets will centre and locate the luminaire. For tegular ceilings the luminaire will protrude 6mm below the ceiling grid.

A bar ceilings

You cannot install this luminaire without at least 2 adjacent tiles removed from the ceiling. Attach the supplied brackets as per figure 4 to one side of the luminaire. Present the luminaire angled to the ceiling grid from below as per figure 6. Hang the brackets onto the ceiling grid. Angle the luminaire into the ceiling and mount the other ceiling brackets to other side. It is possible to use the fold out tabs to support the luminaire during installation of the luminaire in A bar ceilings.



Full and half spring

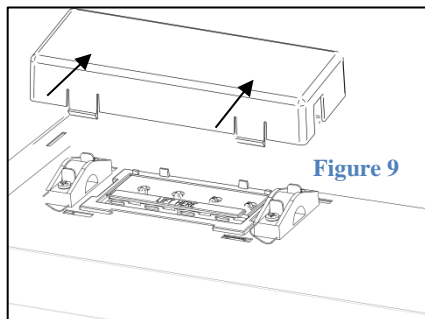
You cannot install this luminaire without at least 2 adjacent tiles removed from the ceiling.

Present the luminaire angled to the ceiling grid as per figure 7 with the tabs folded out for installation on one side of the luminaire.

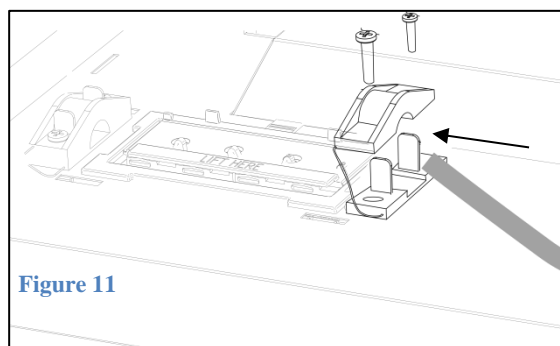
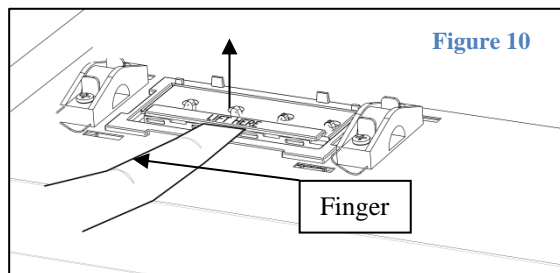
Angle the luminaire into position, then fold out the tabs from figure 8 to the supporting strut, always supporting the luminaire from below whilst doing so.

Electrical wiring

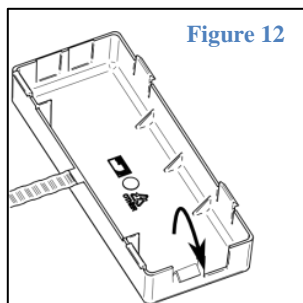
The plastic block on the back of the luminaire, is where the electrical connections are made.



Remove the cover by pressing its sides and gently lifting it up as per figure 9; place the lid to one side. Place your finger under the **lift here** tab as per figure 10 and angle up to bend the piano blocks into view, please note there are 2 latches that will pop as you do this.



Release the cable clamp by unscrewing and retaining the screws and thread the cable as shown into it as per figure 11, stripped back to allow sufficient insulation to wire into the block.



For in/ out wiring remove the snap cover as per figure 12 and place the line out in the cable clamp adjacent the input.

Wire to the terminal blocks dependent on what variant of the product you have as per figure 13. **Please note if you have a blue LED halo strip or down lighter in the product it will be wired separately from these terminal blocks please see the accessories section for more information.**

Figure 13

	2	1	Earth	N	D+	D-	D+	D-
DALI	N/A	Live	Earth	Neutral	Driver control+	Driver control-	N/A	N/A
Standard Emergency	Emin live						Emin control	Emin control
Emergency Com EPS								
DUAL DALI DRIVER	N/A	Live			Inner section driver control +	Inner section driver control -	Outer section driver control +	Outer section driver control -

Replace the lid after wiring as per figure 14.

