



Concert SE inner, micro polymer optic outer



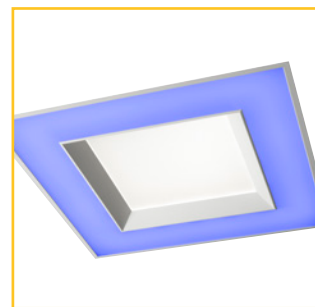
Inner blanking tile



Louvre inner and sky graphic outer



Mirage LED inner and micro polymer optic outer



Hexaprism inner, blue/night light outer

Optics

- Lumen outputs and wattages differ from product to product depending on the configuration. There are two output options;
 - Medium output; denoted by '2' in the part code
 - High output; denoted by '3' in the part code
- For specific lumen output and wattage, please refer to individual photometric files
- Range of inner and outer feature tile options to mix and match
- Choice of inner tile;
 - Blank: Steel blanking plate finished white
 - Downlight: Pre-cut 165 Ø aperture for Mirage LED (purchased separately)
 - Spotlight: Pre-cut 80 Ø apertures for 4 x Concert SE products (purchased separately)
 - Hexaprism optic
 - Hexaprism optic with louvre
- Choice of outer tile;
 - Blank: Steel blanking plate finished white
 - Micro polymer optic
 - Picture: Acrylic sky graphic
 - Blue/Night Light: Additional blue LEDs behind a micro polymer optic
- Separate switching of tiles is standard within the Blue/Night Light, Downlight and Spotlight variants

Body

- Steel body finished in highly reflective white
- Robust extruded aluminium frame finished white
- IP rating differs from IP20 to IP44 depending on configuration. Refer to Whitecroft Technical Desk
- For 600 x 600mm grid ceilings. See ceiling compatibility matrix on Whitecroft website
- Available with or without air handling. Air handling of 30 litres per second (refer to Whitecroft Technical Desk)
- Choice of integral emergency options; 3hr and COMECS (can be wired as Easytest if required)
- Complete visual symmetry from all angles
- DALI as standard
- For Downlight and Spotlight variants, Mirage LED and Concert SEs must be purchased and fitted within Duo³ separately. See pages 10 and 26 of Whitecroft main catalogue
- Optional integral Command Plus DALI COMPL4 detector mounted in the outer tile for standalone functionality or connection to a Command Plus system (see page 287 of main catalogue)
- Optional integral Command Elite DALI COMD1 detector mounted in the outer tile for a complete DALI addressable controls system (page 274 of main catalogue)
- Available with integral Organic Response[®] from Spring 2014. Please refer to Whitecroft Controls department.

duo³ feature

Order Codes

Order codes are generated using the table below, select each feature required to achieve the final custom luminaire.

Duo3	Inner	Outer	Driver/Control	Output	Ceiling
D3	M Hexaprism	A Micropolymer	Y DALI	2 Medium	XT Exposed T
	L Louvre	P Sky picture	Q1Y COMD1	3 High	ST Spring T
	B Blank	C Colour: Blue	Q4PY COMPL4		
	S Spotlight	B* Blank			
	D Downlight				

Note: combination of blank inner and blank outer is not available

Options

AIR HANDLING	Add A after T	D3MPY2XTA
3HR EMERGENCY	Add suffix EM	D3MPY2XT EM
COMEPS**	Add suffix /EP	D3MPY2XT/ EP
PREPARED APERTURE MOUNTING KIT		D2FPA

* Blank outer is not available with integral emergency or controls

** Can be wired as Easytest if required

Equivalent Lamp Types

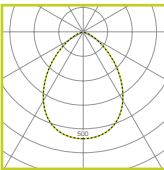
Medium Output

T5 2 x 24W

High Output

T5 4 x 14W

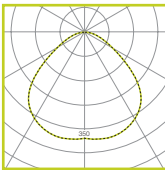
Photometric Performance



40W LED
3060 lumens
Hex inner/sky outer
• LOR = 100%
• SHR MAX = 1.41

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.78	1.01	1.07

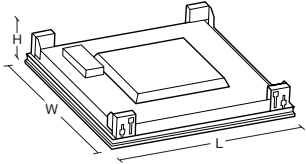


33W LED
2628 lumens
Mirage inner(1100lm)/
micro polymer outer
• LOR = 100%
• SHR MAX = 1.75

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.75	0.99	1.06

Dimensions



Version	L	W	H	KG	KG
Spring T	599	599	80	5.2	6.2
Exposed T	584	584	80	4.9	5.9

Note: Weights will differ depending on custom configuration of product.
Refer to Whitecroft Technical Desk

Ceiling Integration

Refer to common ceiling compatibility matrix on website

Exposed T Grids

T25 Lay in
T15 Lay in
T15 Tegular (Bracket kit required)

Alugrids

SAS AL – 15/16
SAS AL – 15/08

Spring T Grids

SAS – 150/120
Armstrong – Orcal 1800/3000
Burgess Clip in/A bar

Plasterboard

Prepared aperture

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₉₀ (50,000hrs)	MacAdam 3 SDCM

To Specify

Recessed LED 600 x 600mm feature luminaire with dual optic configuration and optional air return facility. Inner tile to consist of integrated downlight / spotlight / Hexaprism / Hexaprism with louvre / blanking plate and outer tile to consist of micro polymer optic / sky graphic outer / blue night light / blanking plate – as Whitecroft Lighting DUO³ FEATURE