

Duo3 Feature

Customisable dual optic recessed luminaire

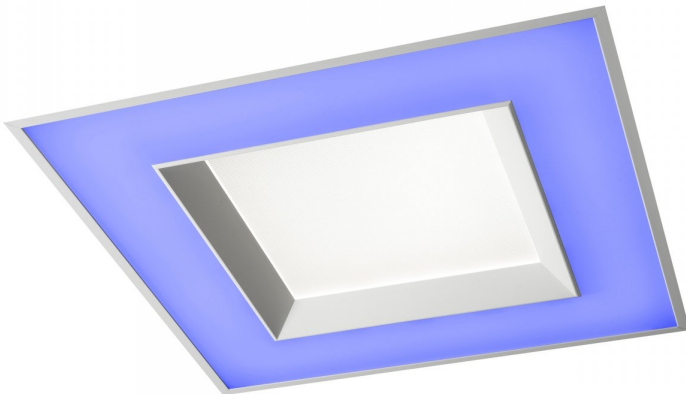
Whitecroft
lighting

100+
LL/CW



IP44

LED



Mirage LED inner and micro polymer optic outer



Inner blanking tile



Louvre inner and sky graphic outer

Overview

Duo3 is designed to meet the needs of the whole of tomorrow's workplace. Whether in offices, transitory or signature areas, Duo3 can provide the highest quality lighting, coupled with a cohesive aesthetic that can be carried through an entire building.

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
- Emergency Output (BLF):
 - All variants - 180 Lumens (Outer tile is for emergency, therefore not available for Sky and Blank outer options)
- 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)
 - 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
- Available with 3000K and 4000K LED

Body

- Steel body finished in highly reflective white
- Robust extruded aluminium frame finished white
- RAL Colour: White RAL9003.
- 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 COMEPS (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.
- Optional integral Command Plus DALI COMPL4 detector mounted in the outer tile for standalone functionality or connection to a Command Plus system
- Optional integral Command Elite DALI COMD1 detector mounted in the outer tile for a complete DALI addressable controls system

Order codes

Order code generator

Duo3 (4000K)	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)		
	D (Downlight)	B* (Blank)			

Note: Luminaire codes beginning D3MC have 2 drivers and require 2 DALI addresses

To generate order codes

Select each feature required above to achieve the final custom luminaire (also see table in downloads section)

Accessories

PREPARED APERTURE
MOUNTING KIT

SFTPBF

Options

AIR HANDLING	Add A after T	i.e D3MPY2XTA
COMEPS	Add suffix /EP	i.e D3MPY2XT/EP
EMERGENCY (3HR)	Add suffix EM	i.e D3MPY2XTEM

* Blank outer is not available with integral emergency or controls

** COMEPS can be wired as Easytest if required

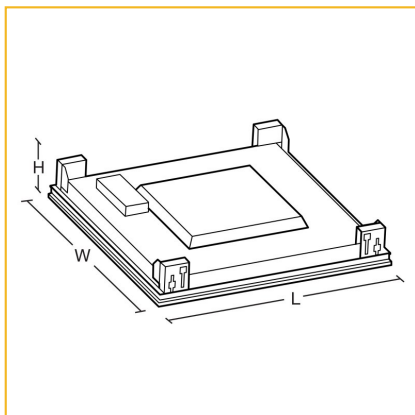
*** Must be used with T product

For 3000K colour temperature, please contact Whitecroft.

LED Performance

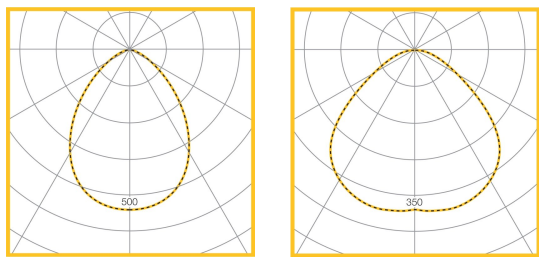
Colour Temp	RA (CRI)	Life expectancy	Colour consistency
4000K	>80	L80(50,000hrs)	MacAdam 3 SDCM

Dimensions



VERSION	L	W	H	KG	KG(EM)
Spring T	599	599	98	5.2	6.2
Exposed T	584	584	98	4.9	5.9

Photometric Performance



40W LED 3060
Lumen, Hex
Inner/Sky Outer
LOR = 100.0%
SHR MAX = 1.41

33W LED 2628
Lumen, Mirage In
ner(1100Lm)/Micr
o Polymer Outer
LOR = 100.0%
SHR MAX = 1.75

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

Application images

