

# Duo3 Feature

Customisable dual optic recessed luminaire



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 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.
- 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

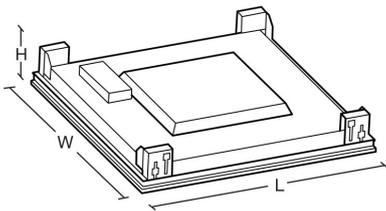
\*\*\* Must be used with T product

For 3000K colour temperature, please contact Whitecroft.

## LED Performance

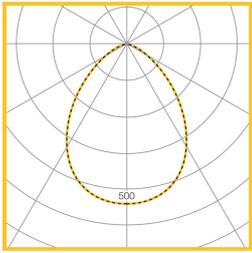
Colour Temp	RA (CRI)	Life expectancy	Colour consistency
4000K	>80	L80(50,000hrs)	MacAdam 3 SDCM

## Dimensions



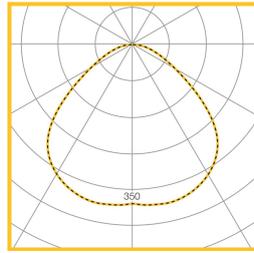
VERSION	L	W	H	KG	KG(EM)
Spring T	599	599	98	5.2	6.2
Exposed T	584	584	98	4.9	5.9

# Photometric Performance



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

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

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## 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 DUO<sup>3</sup> FEATURE

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## Application images

