



Dual driver functionality: inner off



Dual driver functionality: outer off



Inner louvre



Air handling

Optics

- Light Output Options:
 - 2200 lumens (21W)
 - 3300 lumens (32W)
 - 4000 lumens (39W)
- Highly efficient 4000K LEDs that reach up to 104 lm/cw
- Hexaprism inner tile optic for optimum diffusion, glare control and to enable an LG7 compliant space
- Micro polymer optic outer tile for visual comfort and uniformity
- Optional white louvre fitted in front of inner Hexaprism is available for alternative aesthetic
- Light output distribution is 60% for the inner tile and 40% for the outer. For example the 4000 lumen product emits approx. 2400 lumens from the inner tile and 1600 lumens from the outer. The 3300 lumen product emits approx. 1980 lumens from the inner tile and 1320 lumens from the outer.
- LED chips are densely distributed within the inner tile to achieve maximum output and efficiency
- LED chips are spaced further apart within the outer tile for excellent uniformity, visual comfort and surface luminance

Body

- Steel body finished in highly reflective white
- Robust extruded aluminium frame finished white
- 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
- Dual driver option available for separate switching of the inner and outer tiles
- IP44 from below and IP20 from behind
- 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
- Available with integral Organic Response®. Please refer to Whitecroft Controls department.

duo³ office

Order Codes

Hex Inner, MP Outer
2200 lumens (21W)
3300 lumens (32W)
4000 lumens (39W)

DALI
D3MAY1XT
D3MAY2XT
D3MAY3XT

3 hr Emergency
D3MAY1XTEM
D3MAY2XTEM
D3MAY3XTEM

Options

COMEPS
LOUVRE OVER INNER HEXAPRISM
SPRING T INTEGRATION
AIR HANDLING
DUAL DRIVER*
INTEGRAL COMPL4
INTEGRAL COMD1
PLASTERBOARD FRAME**

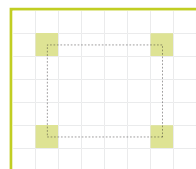
Add suffix /EP i.e. D3MAY1XT/EP
Replace M with L D3LAY1XT
Replace XT with ST D3MAY1ST
Add A after T D3MAY1XTA
Replace Y with U D3MAU1XT
Add Q4P before Y D3MAQ4PY1XT
Add Q1 before Y D3MAQ1Y1XT
SFTPBFB

*Dual driver option is not available in conjunction with integral controls or emergency

**Must be used with XT product

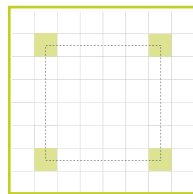
Performance Guide

Lamps Illuminance Spacing
39W LED 503 lux 3.0m x 2.4m



Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.8m
Working Plane: 0.8m

Lamps Illuminance Spacing
32W LED 330 lux 3.0m x 3.0m

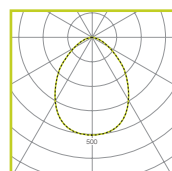


Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.8m
Working Plane: 0.8m

LED Performance

Colour Temp Ra (CRI) Life Expectancy Colour Consistency
4000K ≥ 80 L₈₀ (50,000hrs) MacAdam 3 SDCM

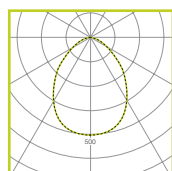
Photometric Performance



39W LED
4000 lumens,
Hex inner, MP outer
(both tiles on)
• LOR = 100%
• SHR MAX = 1.51

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



32W LED
3300 lumens,
Hex inner, MP outer
(both tiles on)
• 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 0.75 0.99 1.06



Command Elite integral COMD1



Command Plus integral COMPL4

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 (requires installation frame)

Equivalent Lamp Types

2200 Lumen Output

T5 2 x 14W

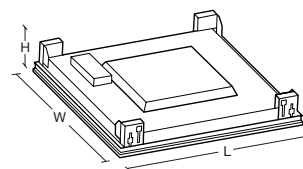
3300 Lumen Output

T5 2 x 24W

4000 Lumen Output

T5 4 x 14W

Dimensions



Version	L	W	H	Prepared Aperture	KG	KG
Spring T	599	599	80	–	5.2	6.2
Exposed T	584	584	80	–	4.9	5.9
Plasterboard Frame	660	660	85	625 x 625	6.9	7.9

To Specify

Recessed LED 600 x 600mm luminaire with dual optic configuration, optional air return facility and visual symmetry from all angles of view. Extruded aluminium frame and steel body finished white. Incorporating intermediate brightness zone to diffuse light and graduate brightness across the ceiling from all angles of view. Dual optic to consist of Hexaprism/Louvre inner and micro polymer optic outer tile with optional integral detectors – as Whitecroft Lighting DUO³ OFFICE