

aerial twin

suspended twin cell LED
high or low bay luminaire



Info

The Aerial Twin range consists of two uniquely positioned products; Aerial Twin and Aerial Twin Base.

Aerial Twin is available in three outputs up to 25,000 lumens and utilises a Hexaprism optic for all round glare control and uniformity at any mounting height. It has an LED lifespan of 100,000 hours with DALI control gear as standard.

Aerial Twin Base is available in one output up to 22,900 lumens and utilises either a Hexaprism optic or an opal diffuser for flexibility in application and cost. It has an LED lifespan of 50,000 hours with DALI control gear as standard

Body

- Aluminium body, finished white
- Four suspension points
- Wire suspension kit with up to 6m drop (supplied separately)
- Alternative mounting kit available for surface, trunking, chain or drop-rod mounting (kit supplied separately; chains and drop rods not included)
- Maximum ambient operating temperatures;
 - Aerial Twin: 40°C
 - Aerial Twin emergency: 30°C
 - Aerial Twin Base (EM and non-EM): 25°C
- IP40 from below and above
- Many other products are available in the Aerial range. Use search terms Aerial LED, Aerial Logistic and Aerial Twin 65 at Whitecroft website

Optics

- 4000K colour temperature
- Optional integral emergency options of 3hr maintained, Easytest and COMEPS
- Optional integral high sensitivity PIR Com8 detector mounted centrally in luminaire**
- Recommended for mounting heights between 4m – 8m

*Lengths shown are nominal. Please refer to the dimensions section for accurate product dimensions.

Aerial Twin

- Hexaprism optic
- Output options;
 - 500mm*, 8900 lumens (71W)
 - 1000mm*, 17,300 lumens (133W)
 - 1500mm*, 25,000 lumens (190W)
- DALI as standard
- 100,000 hour LED lifespan to L80 B50

Aerial Twin Base

- Hexaprism optic or opal diffuser
- Output options;
 - 1500mm*, Hexaprism, 22,150 lumens (182W)
 - 1500mm*, opal diffuser, 22,900 lumens (182W)
- DALI as standard
- 50,000 hour LED lifespan to L80 B50

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Order Codes

Aerial Twin	DALI	3hr Emergency
Hexaprism, 8900lm (71W)*	ATMY1	ATMY1EM
Hexaprism, 17,300lm (133W)	ATMY2	ATMY2EM
Hexaprism, 25,000lm (190W)	ATMY3	ATMY3EM

Aerial Twin Base	DALI	3hr Emergency
Hexaprism, 22,150lm (182W)	ATBMY3	ATBMY3EM
Opal, 22,900lm (182W)	ATBAY3	ATBAY3EM

Accessories

WIRE SUSPENSION KIT (up to 6m drop)	AERSK1
ALTERNATIVE MOUNTING KIT	AETMTRU
COM8 PROGRAMMING HANDSET	COM8HP

Options

EASYTEST	Add suffix ET	i.e. ATMY1 ET
COMEPS	Add suffix EP	i.e. ATMY1 EP
INTEGRAL COM8 DETECTOR**	Add Q8 before Y	i.e. ATM Q8 Y1

*486mm long version not available with both EM and Com8

**Com8 programming handset required.

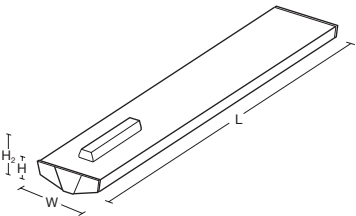


500mm Aerial Twin



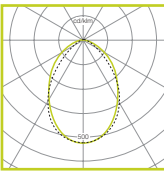
Integral Command 8 detector**

Dimensions

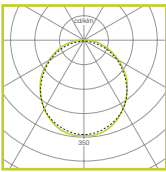


Version	L	W	H	H ₂	KG	KG ²
Aerial Twin, 8900lm	486	281	87	130	4.0	5.0
Aerial Twin, 17,300lm	952	281	87	130	7.5	8.5
Aerial Twin, 25,000lm	1418	281	87	130	11.0	12.0
Aerial Twin Base	1418	281	87	130	11.0	12.0

Photometric Performance



Aerial Twin
25,000, 190W
• LOR = 100%
• SHR MAX = 1.31



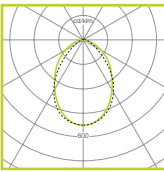
Aerial Twin Base
Opal
22,900, 182W
• LOR = 100%
• SHR MAX = 1.59

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	0.98	1.05

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.67	0.94	1.02



Aerial Twin Base
Hexaprism
22,150, 182W
• LOR = 100%
• SHR MAX = 1.46

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	0.98	1.05

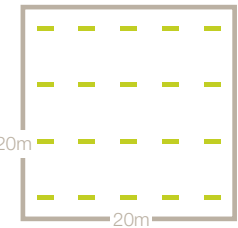
LED Performance

Version	Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
Aerial LED Twin	4000K	≥ 80	L ₈₀ (100,000hrs)	MacAdam 3 SDCM
Aerial LED Twin Base	4000K	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Performance Guide

Lamps	Illuminance	Spacing
190W LED	1090 lux	4.0m x 5.0m

No. of luminaires: 20



Reflectance: 70/50/20	Maintenance: 0.8
Mounting Height: 7m	Working Plane: 0.75m

To Specify

Aerial Twin

Aerial Twin Suspended LED twin cell luminaire with Hexaprism optic. Suitable for low or high bay application, optional integral PIR detector. Four suspension points – as Whitecroft Lighting AERIAL TWIN.

Aerial Twin Base

Aerial Twin Base Suspended LED twin cell luminaire with opal or Hexaprism optic. Suitable for low or high bay application. Four suspension points – as Whitecroft Lighting AERIAL TWIN BASE.