

aerial twin 65

suspended IP65 twin cell LED
high or low bay luminaire



Optics

- Light Output:
 - Wide beam, 26,000 lumens (206W)
 - Mid beam, 22,300 lumens (206W)
 - Narrow beam, 17,400 lumens (163W)
- 4000K 'cool' white LEDs
- Ra80 colour rendering index
- Suitable for mounting heights between 4m and 10m
- Three specially designed light output options for specific application;
 - On wide beam output, a micro polymer optic is used for optimum coverage over a wide open area.
 - On mid beam output, a Hexaprism optic is utilised for all round glare control, light diffusion and uniformity
 - On narrow beam output, a clear optic is mounted in front of two 15° lenses that produce a precise elliptical light distribution specifically for warehouse racking

Body

- Twin cell LED luminaire designed for low or high bay application where an IP65 rating is required
- Constructed from extruded aluminium, mild steel and impact modified acrylic materials to ensure a durable and robust luminaire
- DALI as standard
- IK08 impact resistance
- Finished white
- 4 suspension points
- Optional wire suspension kit with up to 3m drop (supplied separately)
- Choice of integral emergency options; standard 3hr, Easytest or COMECS
- Optional high-sensitivity PIR COM7 detector available mounted on end cap. Commissioning is required via handheld LCD programmer COMCTLCDHP. Contact Whitecroft Controls department
- Alternative mounting kit available for surface, trunking, chain or drop rod mounting (supplied separately)
- Suitable for exterior areas. i.e. under a canopy or covered environment, but not in direct sunlight or open, exposed areas
- Ambient operating temperature range:
 - Standard: -20°C up to 40°C
 - Emergency: 0°C up to 20°C

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Order Codes

Aerial Twin 65	DALI	3 hr Emergency
Wide beam, 26,000 lumens (206W)	AET6WY14K	AET6WY14KEM
Medium beam, 22,300 lumens (206W)	AET6MY14K	AET6MY14KEM
Narrow beam, 17,400 lumens (163W)	AET6NY14K	AET6NY14KEM

Accessories

Suspension kit	AET6SK1
Alternative mounting kit	AET6TRU

Options

EASYTEST	Add suffix /ET	i.e. AET6WY14K/ET
COMEPS*	Add suffix /EP	i.e. AET6WY14K/EP
COM7 DETECTOR	Add Q7F before Y	i.e. AET6W Q7F Y14K

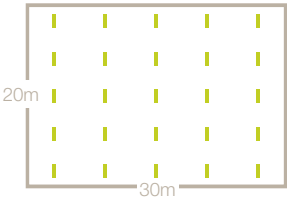
*Can be wired as Easytest if required



Command 7 detector

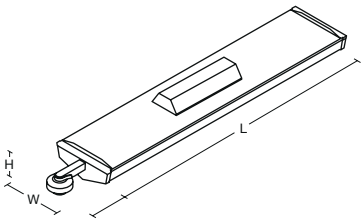
Performance Guide

Aerial Twin 65		
Lamps	Illuminance	Spacing
22,300 lumen	773 lux	6.0m x 4.0m
No. of luminaires: 25		



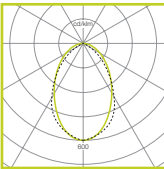
Reflectance:	Maintenance:
70/50/20	0.8
Mounting Height:	Spacing:
7m	6m x 4m

Dimensions



Version	L	W	H	KG	KG
Standard	1455	239	101	12.5	-
With emergency	1455	239	154	-	14.0
With COM7 detector	1604	239	101	13.0	14.5

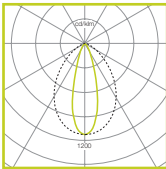
Photometric Performance



Medium beam
22,300, 206W
• LOR = 100%
• SHR MAX = 1.21

Utilisation Factors UF(F)

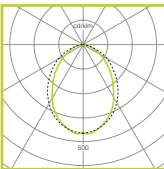
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.81	0.99	1.05



Narrow beam
17,400, 163W
• LOR = 100%
• SHR MAX = 0.63

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.77	1.01	1.06



Wide beam
26,000, 206W
• LOR = 100%
• SHR MAX = 1.37

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.71	0.97	1.03

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₇₅ (100,000hrs)	MacAdam 3 SDCM

To Specify

Wide beam

Suspended IP65 IK8 LED twin cell luminaire with aluminium body and micro polymer optic. Wide light distribution for illuminating open areas. Four point suspension - as Whitecroft Lighting AERIAL TWIN 65 WIDE.

Medium beam

Suspended IP65 IK8 LED twin cell luminaire with aluminium body and Hexaprism optic. Medium light distribution for illuminating open areas. Four point suspension - as Whitecroft Lighting AERIAL TWIN 65 MEDIUM.

Narrow beam

Suspended IP65 IK8 LED twin cell luminaire with aluminium body, clear optics and integral 15° lenses for precise light distribution specifically for aisles and racking. Four point suspension - as Whitecroft Lighting AERIAL TWIN 65 NARROW.