

# Flight Vitality



Sustainable compact surface or suspended linear LED highbay. Whitecroft Vitality circular economy solution with independent accreditation.



Flight Vitality 585mm  
Suspended



Flight Vitality 585mm  
Trunking Mounted

## Overview

**Flight** is a new generation of standalone LED highbay, developed from Whitecroft's years of experience in industrial lighting. Suitable for new build or renovation projects, Flight offers a durable installation with low cost of ownership.

Flight is constructed from high quality, sustainable materials and the lightweight body with first fix brackets and plug-in connections ensure a quick yet safe, one-person installation.

High efficacy, long life LEDs with high transmission optics combine to deliver an energy efficient scheme with minimal maintenance. Whitecroft's commitment to the Circular Economy includes **Cradle to Cradle Certified**® independent accreditation in **Flight Vitality** versions

## Optics

- Wide, medium and narrow beam distribution patterns to suit mounting heights from 4m to 20m
- Light outputs in steps from 12,000 lumens to an impressive 42,000 lumens
- High efficiency, long life LED light engines, made in our own facility, delivering up to 179 l/cw for low energy consumption
- Removable light engine cartridges for easy future upgrades
- 4000K, Ra80 LED
- Supports UGR compliance and glare control using Whitecroft's lens design dedicated to industrial applications
- Emergency outputs:
  - Wide/medium beam 869 lumens
  - Narrow beam 827 lumens

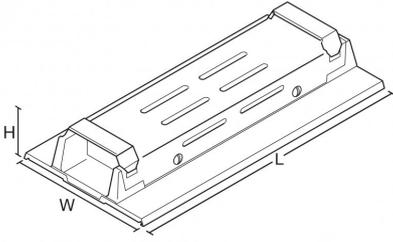
Version	L70B50	L80B50	L90B50
12, 18, 30, 36 & 42 klm	>100k	>100k	54k
24 klm	>100k	>100k	53k

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## Body

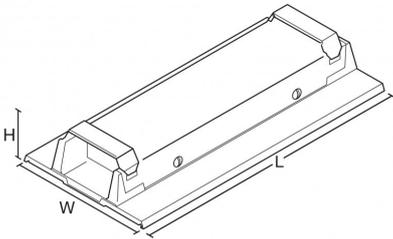
- Extruded aluminium LED housing for optimum strength, thermal management and sustainability
  - IP20 and IP65 ingress protection to cater for manufacturing and warehouse environments
  - Plug and socket connectors are supplied as standard ensuring safe and rapid electrical terminations
  - Surface, suspended, busbar, conduit and trunking mounting methods are all catered for. Suspended only requires an additional suspension kit (FGSUSKIT with 6m wire drop - to be ordered separately)
  - Luminaire body can be unplugged and unclipped from infrastructure allowing safe and easy maintenance at ground level
  - Light, compact body does not require support during secondary operation allowing a one-person installation
  - Further energy savings can be achieved using integrated lighting controls using programmable wireless networking with movement and daylight regulation using Command 9
  - Emergency lighting options with integral 3 hour batteries include self-contained for simple key switch testing or COMECS DALI addressable for automatic testing and reporting
  - Emergency LiFePO4 Lithium batteries offering a longer life, reducing the number of replacements through life and which can be recycled at the end of useful life
  - DALI drivers as standard
  - Suitable for ambient temperature ranges:
    - -30 to 40°C - standard IP20
    - -30 to 35°C - standard IP65
    - -20 to 40°C - Command 9 sensor IP20
    - -20 to 35°C - Command 9 sensor IP65
    - 0 to 30°C - emergency EM/EP IP20 & IP65
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# Dimensions



FLIGHT VITALITY IP20 VERSIONS	L	W	H	KG	KG(EM)
12,000 18,000 and 24,000 lumens	585	285	75	4.9	5.3
30,000 and 36,000 lumens	875	285	75	6.9	7.3
42,000	1165	285	75	8.3	8.7

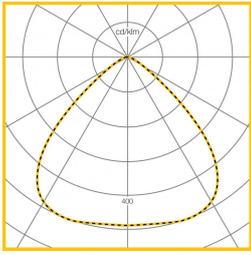
Add 125mm to length for Command 9 variants



FLIGHT VITALITY IP65 VERSIONS	L	W	H	KG	KG(EM)
24,000 lumens	585	285	75	4.9	5.3
36,000 lumens	875	285	75	6.9	7.3

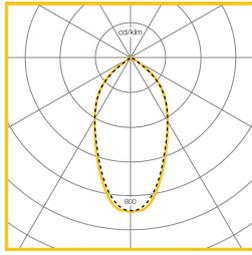
Add 125mm to length for Command 9 variants

# Photometric Performance



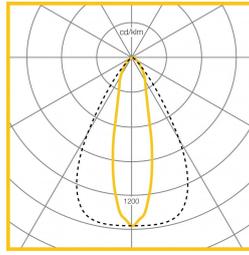
Wide Beam  
LOR = 100%  
SHR MAX = 1.72

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Medium Beam  
LOR = 100%  
SHR MAX = 1.03

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Narrow Beam  
LOR = 100%  
SHR MAX = 0.55

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## To Specify

Surface or suspended LED highbay luminaire with extruded aluminium LED housing and clear polycarbonate lens optics. Supplied with first fix bracket and plug connector for easy installation. The LED module is easily replaced for simple future upgrades and replacement ensuring a sustainable lighting solution. Materials and manufacturing facility with independent Cradle to Cradle Certified® accreditation - as Whitecroft Lighting FLIGHT VITALITY

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