

Flight Sport Vitality



Sustainable compact linear IK10 LED highbay for indoor sports lighting. Whitecroft Vitality circular economy solution with independent accreditation.



Flight Sport Vitality Trunking Mounted

Overview

Indoor sports facilities such as school sports halls, gymnasiums and fitness centres require versatile lighting solutions to suit mounting heights typically between 4m and 8m and to protect from damage from sports equipment including footballs and tennis balls.

Flight Sport is a new generation of sports luminaire offering IK10 protection, a wide distribution pattern and excellent glare control using lens technology.

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 beam distribution to suit mounting heights from 4m to 12m
- Light outputs nominal 12,000, 18,000 and 24,000 lumens
- High efficiency, long life LED light engines, made in our own facility, delivering up to 179 lm/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 dedicated lens design
- Emergency output 869 lumens

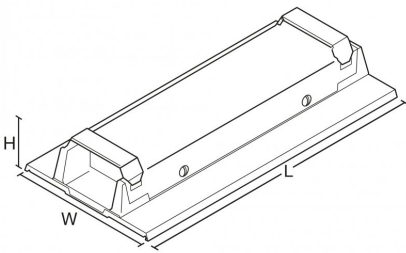
For specific product variant information, including lifetime, efficacy, power, output and electrical data, please click on the individual part number under 'Order Codes' and view the datasheet

Lifetime Data			
Version	L70B50	L80B50	L90B50
12 & 18 klm	>100k	>100k	54k
24 klm	>100k	>100k	53k

Body

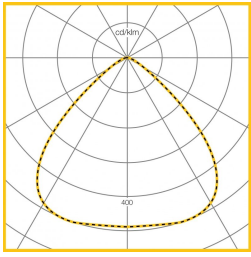
- Extruded aluminium LED housing for optimum strength, thermal management and sustainability
- Plug and socket connectors are supplied as standard ensuring safe and rapid electrical terminations
- Surface, suspended, busbar, conduit and trunking mounting methods are all catered for. Suspended only requires an additional suspension kit (FGSUSKIT with 6m wire drop - to be ordered separately)
- Suspension kit to be ordered separately
- Luminaire body can be unplugged and unclipped allowing safe and easy maintenance at ground level
- Light, compact body - does not require support during secondary operation allowing a one-person installation
- 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
 - 0 to 30°C - emergency EM/EP IP20/65

Dimensions



FLIGHT SPORT VITALITY VERSIONS	L	W	H	KG	KG(EM)
All	585	285	75	4.9	5.3

Photometric Performance



24150 lumen
4000K LED
LOR = 100%
SHR MAX = 1.72

To Specify

Surface or suspended IK10 impact protected LED 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 SPORT VITALITY
