

# Flight Sport

Sustainable compact linear LED highbay for indoor sports lighting



Flight Sport Trunking Mounted

## Overview

Indoor sports facilities such as school sports halls, gymnasias 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.

## Optics

- Wide beam distribution to suit mounting heights from 4m to 12m
- Light outputs nominal 12,000, 18,000, 24,000 & 33,500 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 dedicated lens design
- Emergency output 869 lumens

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

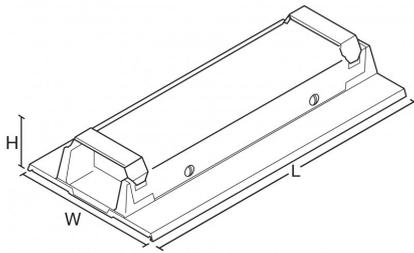
## Body

- 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
- Further energy savings can be achieved using integrated Air Control lighting control modules which can be wirelessly connected to compatible remote detectors and switches
- Emergency lighting options with integral 3 hour batteries include self-contained for simple key switch testing and COMEPS DALI addressable for automatic testing and reporting
- Also available with 'EW' Routefinder Wireless for addressable emergency testing without the need for a 2 core communication cable
- 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
- Central battery emergency systems can also be used with Flight luminaires using an incorporated changeover module for 230V emergency supplies.
- DALI drivers as standard
- Suitable for ambient temperature ranges:
  - -20 to 40°C - standard
  - 0 to 35°C - emergency EM/EP
  - 0 to 30°C - emergency CB
  - 0 to 25°C - Air Control sensor

## LED Performance

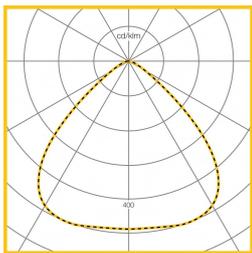
Colour Temp	RA (CRI)	Colour consistency
4000K	Ra80	3 Macadam Steps

# Dimensions



FLIGHT SPORT VERSIONS	L	W	H	KG	KG(EM)
12,000, 18,000 & 24,000lm	585	285	75	4.9	5.3
33,500 lumen	875	285	75	6.9	7.3

# 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 - as Whitecroft Lighting FLIGHT SPORT