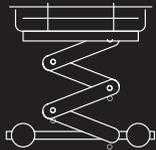


The Future is
Flight

From manufacturing facilities to supermarkets to sports halls and exhibition halls each environment has its own diverse requirements and though these are likely to change from project to project there are a number of key considerations which apply to all:

A Challenging Environment



Installation

Luminaires are likely to be installed at height, it's essential they are designed to be safe and efficient to install and maintain.



Maintenance

Maintenance can often be timely and costly due to higher mounting heights, luminaires need to be easily accessible and maintainable with minimal disruption and downtime.



Light Quality

User comfort and sufficient light levels are paramount to create safe, productive and engaging spaces where people can work, play or spectate.



Energy

High outputs and long running hours mean higher energy costs. Lighting needs to be efficient with the ability to incorporate DALI and lighting controls to maximise energy savings.



Durability

Often exposed to demanding environments luminaires need to be robust and durable whether that be to withstand varying temperatures, humidity, dirt or impact.

Flight as a Feather

as a feather



Be Ready

Install on time

The luminaire is compact and lightweight enabling single person installation, with bodies as small as 585x285mm and weighing as little as 4.9kg.

Designed with snap fit brackets and plug and play electrical connection to support swift and safe installation.

Maintain in situ

The light cartridge can be fully removed for maintenance at floor level. While the universal fixing brackets hold the body in place allowing for control gear and battery maintenance to be carried out while in situ.

Be Aware

Developing products that can be reused, are manufactured using fewer resources, consume less energy and contribute to user well-being.

Flight's removable light cartridge gives full access to all components enabling individual parts to be maintained and upgraded throughout its life.

It is made using fewer resources making it 50% lighter than its predecessor. Of the resources used 39% come from recycled sources.

Using high quality components helps Flight consume less energy. This is taken one step further by incorporating integrated lighting controls and DALI control gear.

Light that can be personalised to suit the function, activity or individual requirements will help people feel in control of their environment. Delivering the appropriate light levels and visual comfort will improve productivity and overall user well-being.

Weight Reduction



*Flight 12000 - 24000lm compared to Aerial Industry 16000lm

Material Reduction



82%
Less

Steel



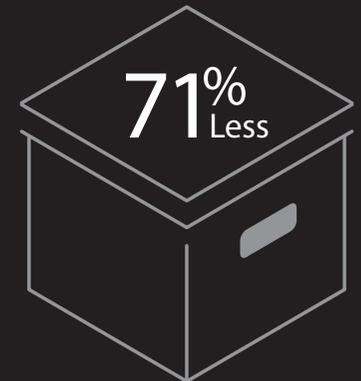
35%
Less

Electronics



30%
Less

Plastics



71%
Less

Cardboard



Be Productive

In the Present

Flight has a range of lumen outputs and distributions as well as lens optics to deliver light levels appropriate for the task, ensure a uniformly lit space and improve user comfort.

In the Future

The modular design gives you the ability to upgrade and add value to your asset throughout its life. The technology can be upgraded and functionality added without replacing the entire luminaire.

Flight for Industry



Installation

- Compact, lightweight and suitable for surface, suspended, busbar, trunking and conduit installation.
- Plug and play for swift and safe electrical connection.
- Integrated lighting controls and emergency lighting minimise installation points.



Maintenance

- High quality long-life components minimise maintenance requirements.
- When required, the modular design and removable light cartridge make maintenance safe, quick and efficient.



Light Quality

- Outputs ranging from 12,000 to 42,000 lumens.
- CRI >80.
- Polycarbonate lens optics for optimal glare control and a choice of narrow, medium and wide beam distributions.



Energy

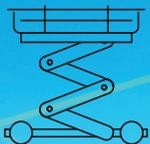
- Efficacies up to 179lm/cw.
- e-light LEDs.
- Lithium Iron Phosphate emergency batteries.
- Integrated lighting controls.



Durability

- IP20 and IP65.
- Ambient temperatures ranging from -20 to +40°C.
- Extruded aluminium LED body with fabricated steel canopy.

Flight for Sport



Installation

- Compact, lightweight and designed for surface and suspended installation.
- Plug and play for swift and safe electrical connection.
- Integrated lighting controls and emergency lighting minimise installation points.

Maintenance

- High quality long-life components minimise maintenance requirements.
- When required, the modular design and removable light cartridge make maintenance safe, quick and efficient.

Light Quality

- Suitable for use in multipurpose spaces.
- Outputs ranging from 12,000 to 24,000 lumens.
- Lens optics to minimise glare.
- Wide beam distribution to deliver uniform light.

Energy

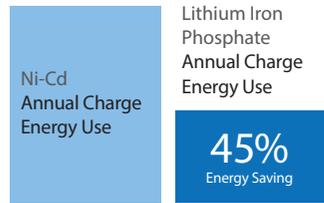
- Efficacies up to 179lm/cw.
- e-light LEDs.
- Lithium Iron Phosphate emergency batteries.
- Wireless lighting controls.

Durability

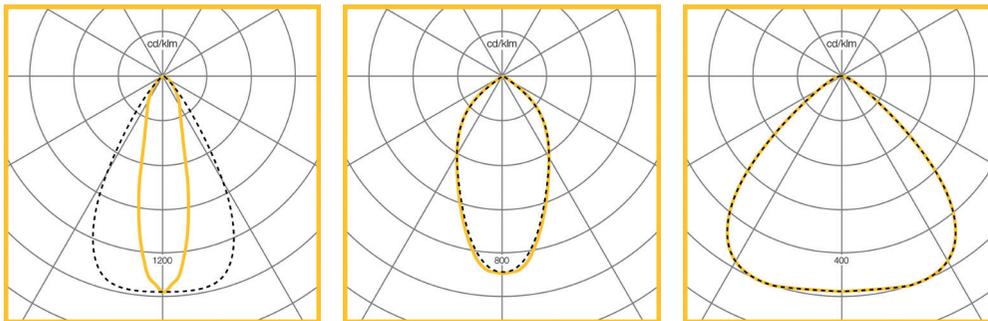
- IK10 rated.
- IP40.
- Polycarbonate lens optics and end caps.
- Extruded aluminium LED body with fabricated steel canopy.
- Ambient temperatures ranging from -20 to +40°C.



Energy saving when using Lithium Iron Phosphate compared to Nickel Cadmium



Polar Curves



Bissymmetric Narrow

Medium

Wide

Emergency Lighting

Flight integral emergency luminaires use Lithium Iron Phosphate (LiFePO4) batteries as standard. Their stability and reliability delivers benefits including reduced maintenance costs, longer lifetime and safe recycling at the end of their useful life. Furthermore, the parasitic load associated with battery charging is reduced, resulting in significant energy savings.

Ambient Temperatures

High or low ambient temperatures in manufacturing spaces can put stress onto internal components and reduce both light output and life. Flight uses high quality components such as industry specification drivers to ensure correct operation and the long life expected from a modern high bay luminaire. Installations in ambient temperatures between -20 to +40°C are possible using the Flight range.

Designed to perform

Light quality and Efficacy

With outputs ranging from 12,000 up to 42,000 lumens and efficacies up to 179lm/cw, Flight is one of the best performing high bay luminaires in the market. The high transmission lens optics have been designed specifically for the Flight range to ensure light is delivered to the task efficiently for optimum performance.

Integrated Controls

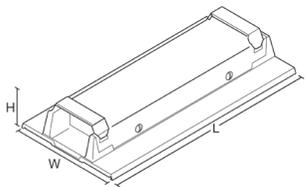
Flight is available with a choice of Command B on/off presence detection or wireless programmable sensors allowing area zoning with occupancy and daylight regulation using Command 9. The luminaire has also been designed to allow control upgrades in the future, meaning controls can be upgraded or added when required in line with the latest technology.

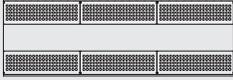
Flight offers a range of products suitable for a variety of environments. For product information and technical details please visit our website.

Type	Optic			Colour Temperature	Colour Rendition	Control			Nominal Output						Driver		Emergency Lighting				IK Rating
	Narrow	Medium	Wide	4000K	Ra80	Air Control	Command9 Wireless	Command B	12000lm	18000lm	24000lm	30000lm	36000lm	42000lm	Fixed Output	DALI	EM	COMEPS	Routefinder Wireless	230V Central Battery	IK10
Flight IP20 	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Flight IP65 	•	•	•	•	•		•			•			•			•	•	•	•	•	
Flight Sport 			•	•	•	•			•	•	•					•	•	•	•	•	•

Flight Vitality also available. For more information please visit our website.

Flight Dimensions



	Lens Configuration	Length (no sensor) (mm)	Length max (with sensor) (mm)	Width (mm)	Height (mm)	Weight (kg)	Weight EM (kg)
12000 - 24000lm		585	710	285	75	4.9	5.3
30000 - 36000lm		875	1000	285	75	6.9	7.3
42000lm		1165	1290	285	75	8.3	8.7

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