

SURFACE FITTINGS

ROBUS®

HAWK, EIFFEL BLUE AND EAGLET ANTI-TAMPER WHITE IP65 LED SURFACE FITTING RANGES

This suite of elegant, slim and attractive fittings with a modern aesthetic is designed using Golden Ratio principles. The 4,000K Hawk is available complete, in 2 lumen packages, in standard and emergency versions. Integral sensor, dual or 3 step light level control and DALI or Analogue dimming for Daylight Harvesting options are available.

Eiffel Blue is available complete in 14W format fitted in Hawk shell, whilst Eaglet Glow and WW 14W gear trays are available as accessories to fit into the Hawk shell accessory.



Applications:

- For installation in/outdoor areas where security of the light fitting is of importance such as:
- Atriums, corridors, stairwells, landings, circulation & communal areas in:
- LA Housing, Residential homes, Restaurants, Educational establishments, Hospitals, Public Buildings, transport facilities, Public toilets
- Eiffel Blue, specifically for areas where anti-social activities may take place
- Glow, specifically for accurate rendering of red hues are required such as ladies cloak or dressing rooms

Features:

- Complies with the requirements of the Carbon Trusts ETCL
- A range of anti-tamper surface mount fittings in a common 330mm diameter shell size designed using Golden Ratio principles and comprises of two Hawk lumen packages of 950lm & 1325lm
- Eiffel Blue 14W is also available fitted into the Hawk shell
- To compliment the standard 4,000K range, the Hawk anti-tamper shell is available as a separate accessory to take the Eaglet gear tray options of Warm White 3,000K or Glow 4,000K with high CRI R_a-90, R_g-65
- Available to compliment Standard & Emergency versions are, Dual Power, 3 Step Corridor function, DALI & Analogue dimming and Integral Sensors
- The ranges utilises all polycarbonate construction with Robus Pro-diffuser tested to IK10 and IP65
- Uses Torx T20 security screws to retain cover to base
- High quality, long life Runlite 4,000k SMD LED technology mounted on steel tray for high thermal conductivity
- Provides exceptional light output and low power consumption to achieve exceptional efficacy
- Solid state technology
- Can be switched by external microwave, PIR and/or photocell
- 20mm gland entry and BESA box mounting points moulded into base
- Side entry flats in base sides and knockouts in trim
- Unique "clip and detachable hinge" EAGLET gear tray with single fixing screw, flying lead and "SWIFT inside" 4 pole plug & play male connector
- Swift 4 pole female connector fitted in base

Benefits:

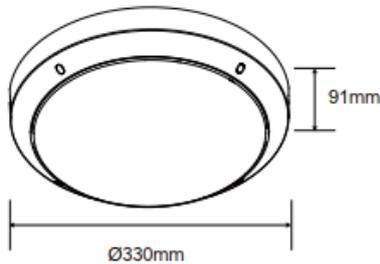
- Is eligible for ECA's - includes costs of the fittings, installation and delivery
- Effectively reduces the cost of a premium installation to that of lower quality
- Specifically for areas where security of the light fittings is of importance
- A common attractive aesthetic is achieved throughout the installation
- Provides a choice of light outputs to replace traditional CFL light sources on a one for one basis
- Discourages loitering and makes substance injection more difficult
- Great where a warmer light colour is preferred or a high CRI to highlight red colours such as in make-up and dressing rooms where the integrity of security is still a consideration
- Integral sensors can solve re-wiring issues for Dual Power or 3 step dimming which is ideal to provide a pre-set level of background light
- Further energy cost savings can be implemented using daylight harvesting dimmable drivers to further reduce the buildings carbon footprint
- Maximises light output, low glare, even light distribution without hotspots
- Strong and durable so provides exceptionally long physical service life
- Provides a good level of anti-tamper properties against impulse vandalism
- Neutral light colour suitable for most installation types and usage
- Enhances LED life with no maintenance cost for replacement lamps
- More light per watt than many similar LED fittings available
- Comparable light output to CFL alternatives so is a one for one replacement
- Light output and colour is consistent over life
- Superb efficacy providing compliance with current & foreseeable legislation
- Rugged - No heat filaments or electrodes to prematurely fail due to vibration & temperature variations
- Provides even greater energy savings when lighting not required
- Not detrimental to LED life as it is with Fluorescent
- Caters for direct cable entry, BESA box or surface conduit structured wiring systems
- Fast removal and replacement of gear tray during cable termination
- Quick and Easy mains termination into fitting base with large termination area and terminals speeds up installation and facilitates loop in/out
- Easy to upgrade gear tray - future proofing as technology evolves

SURFACE FITTINGS

ROBUS®

HAWK, EIFFEL BLUE AND EAGLET ANTI-TAMPER WHITE IP65 LED SURFACE FITTING RANGES

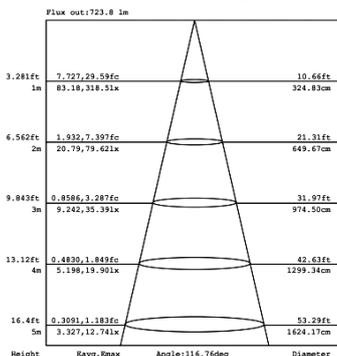
Product Codes	Standard:	HAWK		HAWK EIFFEL BLUE	Eaglet WW Gear Tray	Eaglet Glow Gear Tray
		RHKM01040-01	RHKM01540-01	REEM015B460-01	(below data based on trays fitted in RHKM-01)	RET01530
Emergency:		RHKM01040E-01	RHKM01540E-01	NA	TBC	TBC
Comparable to CFL (W):		28	38	NA	38	38
Total Power Consumed (W):		9.6	12.7	13.8	12.4	12.7
Total Light Output (lm):		1050	1400	250lm (4,000mW @ 460 nm)	1260	1170
Efficacy (Llm/cctW):		109	110	NA	102	95
Rated LED Life (hrs):		50000	50000	50000	50000	50000
Warranty (yrs):		5	5	5	5	5
Illuminance @ 1m (lx):		340	450	NA	420	390
Beam Angle (Deg):		110	110	110	120	120
Correlated Colour Temp (CCT):		4000	4000	BLUE	3000	4000
Colour Rendering Index (Ra):		80	80	NA	>80	95 (R ₉ - 70)
Emergency Light Output (lm):		120	160	NA	TBC	TBC
Emergency Illuminance @ 1m (lx):		40	80	NA	TBC	TBC
Ingress Protection (IP):		65	65	65	65	65
Impact Rating (IK):		10	10	10	10	10
Operating temperature range (°C):		-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35
Output drive current (mA):		350	350	350	350	350
Operating Voltage:		220-240	220-240	220-240	220-240	220-240
Power Factor:		>0.9	>0.9	>0.9	>0.9	>0.9
Diameter/Depth (mm):		330/91	330/91	330/91	330/91	330/91
Weight (Kg):		1.28/1.54	1.28/1.54	1.45	1.28/1.54	1.28/1.54



Construction:

Body and diffuser manufactured from tough, high impact polycarbonate achieves Impact rating of IK10, to provide the greatest resistance possible to damage. Stainless steel Torx T20 anti-tamper screws for cover to base fixing

Cone Illuminance Diagram:



Diagrams for 10W versions. All others available on request.

Accessories:

HAWK Medium Shell for Below Gear Trays
Eaglet 14W GLOW CRI R_a-90, R₉-65 Gear Tray
Eaglet 14W 3,000K WARM WHITE Gear Tray

Order Codes

RHKM-01
RET01540C90
RET01530

Trim Accessories For All Hawk derivatives:

Grey:	RHKMTRIM-24
Grey Eyelid:	RHKMEY-24
Grey Cross Grid:	RHKMCR-24
Black:	RHKMTRIM-04
Black Eyelid:	RHKMEY-04
Black Cross Grid:	RHKMCR-04

Standards & Approvals:

Complies with:
Requirements of the ETCL for Enhanced Capital Allowances
Parts L1 & L2 of the UK Building Regulations

Luminous Intensity Distribution Diagram:

