

## SURFACE FITTINGS

# ROBUS<sup>®</sup>

### EAGLE, EIFFEL BLUE & EAGLET 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 Eagle is available complete, in 3 shell sizes and 4 lumen packages, in standard and emergency. 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, Medium shell size, whilst Eaglet Glow and WW 14W gear trays are available as accessories to fit into the Medium Eagle shell accessory.



FAST AND SIMPLE INSTALL  
WITH CLIP IN GEAR TRAY



3 SHELL SIZES

#### Features:

- Complies with the requirements of the Carbon Trusts ETCL
- A full range of surface mount fittings in 3 shell sizes with a range of lumen packages from 630 to 2200lm providing a Neutral White 4,000K light colour
- Available to compliment Standard & Emergency versions are, Dual Power, 3 Step Corridor function, DALI & Analogue dimming and Integral Sensors
- Also available as Eiffel Blue 14W option fitted in Medium shell and:
  - Medium Shell and 14W Eaglet gear tray options in 3,000K or Glow 4,000K with high CRI R<sub>a</sub>-90, R<sub>9</sub>-65
- All polycarbonate construction with Robus Pro-diffuser tested to IK10 and IP65
- 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
- Twist and lock trim and diffuser
- 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

#### Applications:

- For installation in/outdoors such as:
  - Atriums, corridors, stairwells, landings, circulation & communal areas in:
  - Residential homes, offices, shops, reception areas, restaurants, hotels, schools, 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

#### Benefits:

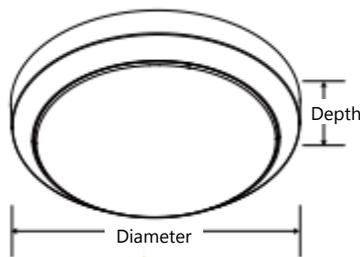
- Is eligible for ECA's - includes costs of the fittings, installation and delivery
- Effectively reduces the cost of a premium installation to that of lower quality
- Provides a range of light outputs to replace traditional CFL light sources
- All shell sizes utilise the Golden Ratio design principles for an attractive common aesthetic throughout the installation
- Ideal for small cloakrooms or larger areas such as communal lounges & corridors
- Integral sensors can solve re-wiring issues for Dual Power or 3 step dimming
- Further energy cost savings can be implemented using daylight harvesting dimmable drivers to further reduce the buildings carbon footprint
- 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
- Maximises light output, low glare, even light distribution without hotspots
- Strong and durable so provides exceptionally long physical service life
- 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 wire entry or for conduit structured wiring systems
- Fast and simple access and 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

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### EAGLE, EIFFEL BLUE AND EAGLET WHITE IP65 LED SURFACE FITTING RANGES

Product Codes	Standard:	EAGLE				EIFFEL BLUE	Eaglet WW Gear Tray (below data based on trays fitted in REEM-01)	Eaglet Glow Gear Tray
		REES7P040-01	REEM01040-01	REEM01540-01	REEL02440-01	REEM015B460-01	RETM01530	RETM01540C90
Comparable to CFL (W):	Emergency:	REES7P040E-01	REEM01040E-01	REEM01540E-01	REEL02440E-01	NA	TBC	TBC
Total Power Consumed (W):		16	28	38	55	NA	38	38
		7.7	10.6	13.8	23.6	14	13.7	13.6
						250lm	1340	1240
Total Light Output (lm):		630	1010	1320	2200	(4,000mW @ 460 nm)		
Efficacy (Llm/cctW):		82	95	96	93	NA	98	91
Rated LED Life (hrs):		50000	50000	50000	50000	50000	50000	50000
Warranty (yrs):		5	5	5	5	5	5	5
Illuminance @1m (lx):		200	300	400	700	NA	420	400
Beam Angle (Deg):		120	120	120	120	120	120	120
Correlated Colour Temp (CCT):		4000	4000	4000	4000	BLUE	3000	4000
Colour Rendering Index (Ra):		80	80	80	80	NA	80	90 (R <sub>9</sub> - 65)
Emergency Light Output (lm):		110	160	210	380	NA	TBC	TBC
Emergency Illuminance @1m (lx):		30	50	80	100	NA	TBC	TBC
Ingress Protection (IP):		65	65	65	65	65	65	65
Impact Rating (IK):		10	10	10	10	10	10	10
Operating temperature range (°C):		-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35	-20 ≤ Ta ≤ +35				
Output Current (mA):		350	350	350	700	350	350	350
Operating Voltage:		220-240	220-240	220-240	220-240	220-240	220-240	220-240
Power Factor:		>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
Diameter/Depth (mm):		272/91	330/91	330/91	420/91	330/91	330/91	330/91
Weight Std/Em (Kg):		0.92/1.1	1.28/1.54	1.28/1.54	2.1/2.45	1.45	1.28/1.54	1.28/1.54

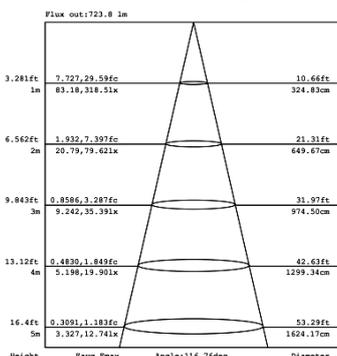


Product code:	Diameter	Depth
REES7P040-01	272	91
REEM01040-01	330	91
REEM01540-01	330	91
REEL02440-01	420	91

#### Construction:

Body and diffuser manufactured from tough, high impact polycarbonate achieves Impact rating of IK10, to provide the greatest resistance possible to damage

#### Cone Illuminance Diagram:



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

#### Accessories:

Eagle Medium Shell for Below Gear Trays  
Eaglet 14W GLOW CRI R<sub>9</sub>-90, R<sub>9</sub>-65 Gear Tray  
Eaglet 14W 3,000K WARM WHITE Gear Tray

#### Order Codes

REEM-01  
RETM01540C90  
RETM01530

#### Trim Accessory Colour Order Codes

Polished Chrome	Brushed Chrome	To Fit
REESTRIM-03	REESTRIM-13	REES7P040-01
REEMTRIM-03	REEMTRIM-13	REEM01040-01
REEMTRIM-03	REEMTRIM-13	REEM01540-01
REEMTRIM-03	REEMTRIM-13	REEM015B460-01
REEMTRIM-03	REEMTRIM-13	REEM-01
REELTRIM-03	REELTRIM-13	REEL02440-01

#### Standards & Approvals:

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

#### Luminous Intensity Distribution Diagram:

