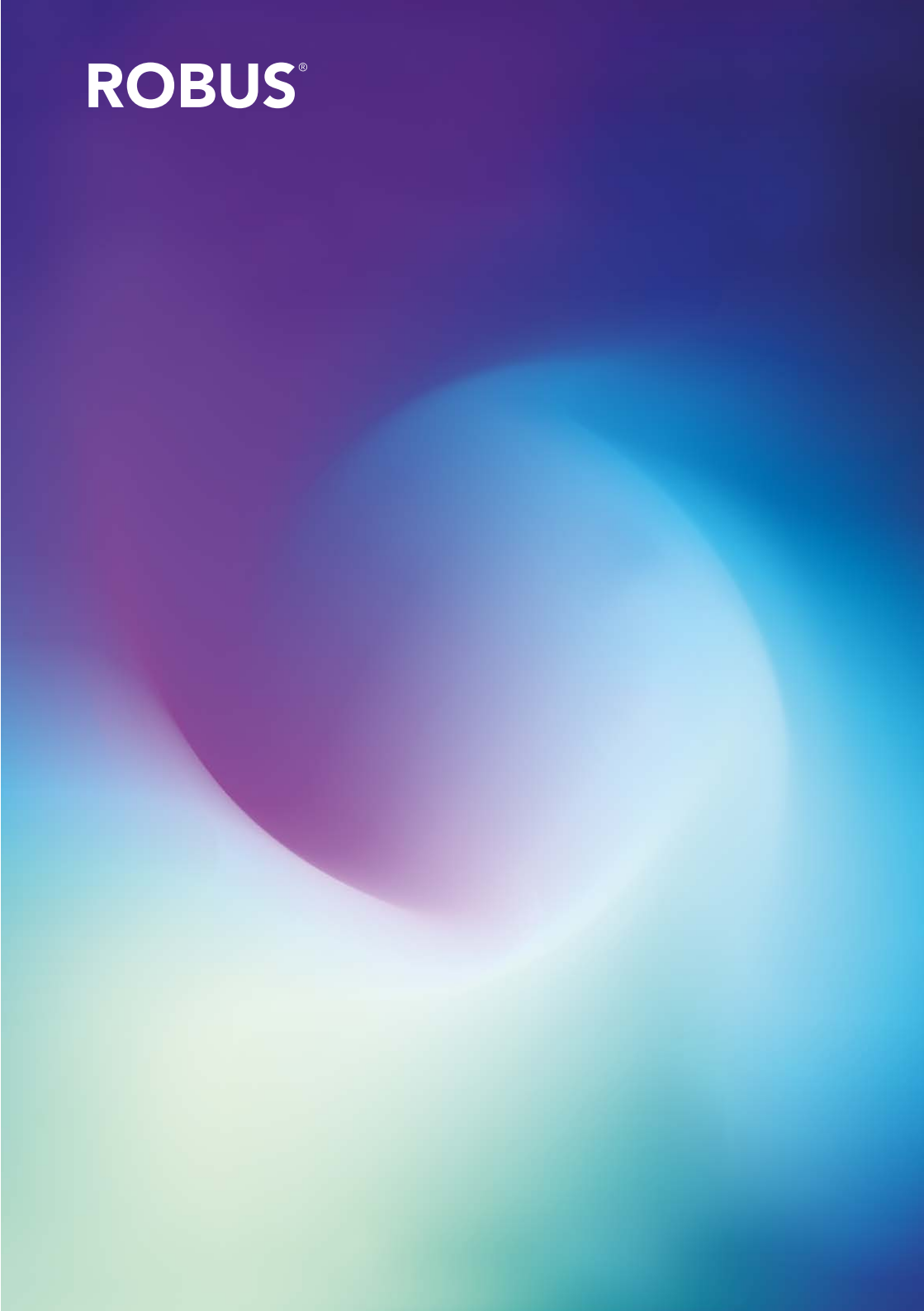


ROBUS®



ROBUS GO

FAST & EASY CASH BACK

LOYALTY PROGRAMME WITH SPARKYS IN MIND
SEE INSIDE FOR DETAILS.

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MORPH CCT4



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TAYLOR LED CCT4



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SLOGAN LED CCT4 SLIM



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LUSTRE LED CCT3



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OHIO LED BULKHEAD



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VEGA LED BULKHEAD



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REMY LED FLOOD LIGHT



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PRODUCT OVERVIEW

HILUME LED FLOOD



A square LED flood light with a black frame and a white diffuser. A blue starburst sticker with the word "NEW!" is in the top left corner.

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3W '2 in 1'



A cylindrical light fixture with a silver finish, featuring a main lens and a smaller side lens, mounted on a base with a mounting arm.

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3W '3 in 1'



A cylindrical light fixture with a silver finish, featuring three lenses: a large main lens and two smaller side lenses, mounted on a base with a mounting arm.

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OUTDOOR ACCESSORIES



A black power cord with a small black rectangular electronic component attached to the end.

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VEGAS LED FLEXI-STRIP



A roll of black LED strip light with a white diffuser, mounted on a black plastic reel.

Page 116

PULSE LED FLEXI-STRIP



A roll of black LED strip light with a white diffuser, mounted on a black plastic reel.

Page 144

DYNAMO LED



A circular white LED downlight with a central lens and a small black component on the side.

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DAME LED DOWNLIGHT



A circular white LED downlight with a central lens and a small black component on the side. A blue starburst sticker with the word "NEW!" is in the top left corner.

Page 154

LEESON SWING BLADE



A green emergency exit sign with a white arrow pointing right and a white figure of a person running. A blue starburst sticker with the word "NEW!" is in the top left corner.

Page 156

DRURY RECESSED BLADE



A green emergency exit sign with a white arrow pointing left and a white figure of a person running. A blue starburst sticker with the word "NEW!" is in the top left corner.

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FINCH LED TWINSPOT



A white emergency light fixture with two circular lenses and a central handle.

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VIVA LED EXIT BOX



A green emergency exit sign with a white arrow pointing right and a white figure of a person running.

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EMERGENCY SUMMARY



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PROTON 360° PIR



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UNIVERSAL 360° PIR



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PROTON MOTION DETECTOR



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PROTON MICROWAVE SENSOR



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SURFACE AJUSTABLE PIR



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MULTI-DIRECTIONAL PIR



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DAYLIGHT HARVET SENSOR



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Niel De Jager

Managing Director Australia & New Zealand

WELCOME TO ROBUS 2020

DEAR CUSTOMER,

As you page through our catalogue, I hope you learn more about the qualities that make ROBUS an outstanding LED lighting brand.

With 36 years' experience in the lighting industry, the ROBUS brand is available from all leading wholesalers across Australia, New Zealand, UK, Ireland, France, Belgium, Netherlands, Portugal and even Mauritius. We're truly a global lighting company with a vision to make ROBUS the most trusted LED lighting brand in the industry.

We're renowned for market-led innovation. We embrace emerging technologies and the benefits they bring to the market. We leverage the latest technologies to create enduring products with low energy, low maintenance and superior performance, to keep our customers at the leading edge.

We've earned the trust and respect of our customers for one simple reason – We have great people. Our people are experts in their fields. They bring a strong service ethos to every customer engagement and take pride and ownership in everything they do.

Whilst our industry has changed since we've started our journey in Australia in 2010, some things have remained constant within our business:

- We only supply through the Electrical Wholesale channel
- Our promise to our customer is
 - We're easy to deal with
 - We supply high quality, reliable lighting products
 - We deliver market-led product innovation
 - We prioritise our customer's profit retention

Our culture is defined by a simple set of corporate values that define how we operate every day – Accountability, Ambition, Customer Focused, Empowerment and Fast Paced. They reflect how we interact with customers, colleagues and the community. We hold each other accountable for creating a brand that we can all be proud of to represent. Finally, we're excited to capitalise on our growth momentum. We believe in the strength of our brand, the growth potential of the lighting industry and the actions that we're taking in 2020 and beyond. We thank you for your support and hope that you continue your journey with us.

THE LED GROUP IS A GROWING INTERNATIONAL LIGHTING COMPANY ESTABLISHED IN 1984.

WE ARE THE LARGEST IRISH LIGHTING COMPANY IN THE WORLD WITH A LONG AND PROUD TRADITION OF COMMERCIAL SUCCESS AND RELATIONSHIPS ACROSS IRELAND, THE UK, EUROPE, UAE AND AUSTRALASIA.

The LED Group has developed the globally successful ROBUS brand of products sold through the electrical wholesale market. ROBUS has a reputation for energy efficient commercial and residential solutions, supported by world class customer service in more than 40 countries around the world.

Located in Dublin is our 10,000sqm head office and distribution centre. We also have distribution and offices in the UK, Australia, China, France, Benelux, South Africa, New Zealand and the Middle East, servicing over 3,000 stockists and tens of thousands of installers. We employ more than 250 talented people around the world, working with us to grow our business and nurture the ROBUS brand. Our global presence enables us to meet the current and future needs of our customers and the aspirations of our people.

The LED Group is a member of the EMDA in Ireland, the EDA, The Lighting Association and LIA in the UK and The Lighting Council in Australia – lighting bodies worldwide creating and promoting industry standards.

HQ Dublin, Ireland
Bracknell, UK
France
Benelux
South Africa
Middle East
Guangzhou, China
Brisbane, Australia
New Zealand



LED GROUP HISTORY TIMELINE

1990 

PARTNER BUY OUT

Michael saw the potential in sourcing products from Asia and become the first Irish company to import lighting products from there. He bought out his partners shares and renamed the business Lighting and Electrical Distribution – hence the origin of the LED Group.

1997 

ISO CERTIFIED LED

Group first received ISO Certification – A Quality Management System that is internationally recognised as the world's leading quality management standard.

1984

LED GROUP FOUNDED BY MICHAEL SLEIN, WITH 2 PARTNERS

The company was established in 1984 by Michael Slein with two school friends as a joint business venture. Together they expanded the product lines over the following 6 years.



1996

ROBUS SALES UK

LED Group take exciting first steps into the UK, with a sales team of directly employed personnel who start to change the face of the business from local to global.



2011 

STOCKISTS ONLINE ORDERING

ROBUS provide a tailored stockist online ordering system www.robudirect.com, allowing wholesalers to order direct – as in the order they place online travels directly to the picking guns in our warehouse for rapid service.

2013 

VISITOR CENTRE

Dublin HQ opens our first state of the art visitor centre, with products on display & a meeting venue for customers & customer's customers. Our house is your house!

2010

ROBUS AUSTRALASIA

ROBUS goes down under to open the first Australian office in Brisbane, Queensland. A sales team including established sales personnel from Ireland and the UK start calling on the trade in Australia.



2012

ROBUS SALES NEW ZEALAND

Sales team established in New Zealand.



2006



BEST COMPANY TO WORK FOR IN IRELAND AWARD

LED Group was recognised as one of the top 50 companies to work for in Ireland. Listed workplaces are selected and ranked by Great Place to Work primarily on the basis of the confidential input from the employees of that organisation.

2009

ROBUS SALES MIDDLE EAST

Derek Stein, Exports Director and brother of Michael Stein travelled to the UAE to create further opportunities and relationships which proved highly successful.



2005

MOVED TO CURRENT HQ IN DUBLIN, IE

Due to rapid expansion LED Group moved to a 100,000 sq. feet premises on the Nanor Road in Dublin 12. Today this HQ welcomes over 50 customer visits per annum.



2008

ROBUS SALES BENELUX

LED Group establish a directly employed sales team and first orders in Belgium and the Netherlands.



2015



DELOITTE BEST MANAGED COMPANIES AWARD

LED Group receives the prestigious Deloitte Best Managed Company. The award recognises indigenous Irish companies operating at the highest levels of business performance.

2019

LED GROUP ROBUS REVENUE 1985-2019 200+ EMPLOYEES



2014

ROBUS SALES FRANCE, BALTICS & SCANDINAVIA

The **ROBUS** brand begins to appear on the shelves of stockists across France, Baltics and Scandinavia and the exports team grows steadily.



2016



SYDNEY & PERTH DISTRIBUTION CENTRES OPENED

Due to rapid growth in Australia, **ROBUS** opens distribution centres in Sydney and Perth, improving service levels across these states.

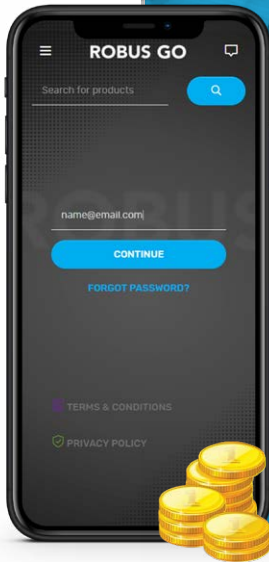


2018

UK DISTRIBUTION CENTRE

Distribution hub introduced to upgrade service levels across the UK.





ROBUS GO

FAST & EASY CASH BACK

CASH BACK REBATES – GET CASH BACK REBATES ON ALL ROBUS PRODUCTS

1

REGISTER AT
WWW.ROBUSGO.COM.AU

2

BUY ROBUS & SEND YOUR
INVOICE TO
CLAIM@ROBUSGO.COM.AU

3

RECEIVE YOUR REBATE



KEEP AN EYE OUT FOR **ROBUS GO**
PROMOTIONS POSTED REGULARLY
ON OUR FACEBOOK PAGE

ROBUS GO

How to register:



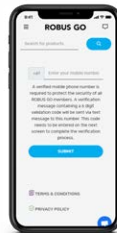
Go to
ROBUSGO.COM.AU



Type in your email address & press the CONTINUE button



You will receive a link in your email. Click the link to verify your email



Type in your phone number and press the SUBMIT button



You will receive a code in a text message. Use the code to verify your phone number



Input the rest of the information. Press the REGISTER button and you're all done and ready to GO!

FOR MORE INFORMATION PLEASE VISIT WWW.ROBUSGO.COM.AU



ROBUS CONNECT

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HOW IT WORKS	17
THE BENEFITS	18
USING THE APP	21
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VEGAS CONNECT	24
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SMART HOME SYSTEM

ROBUS CONNECT is a cloud based smart home system that transforms the way you interact with devices including lights, sensors, doorbells, cameras in your home or office. ROBUS CONNECT compatible products will work without the need for a hub.



ROBUS CONNECT

HOW IT WORKS



1

Download the ROBUS CONNECT app from the Apple App Store or Google Play.

2

Put your ROBUS CONNECT device into pairing mode by turning it off and on 3 times in 10 seconds or follow device instructions.

3

Press “+” in the app and follow the step by step instructions in the App.



The ROBUS CONNECT cloud platform is certified for information storage, security and protection of personal data and GDPR compliant. **Your data is safe with us.**

ROBUS CONNECT

THE BENEFITS



ON/OFF

Wouldn't it be so much cooler if you could turn your lights on and off using your smart phone? Well, with ROBUS CONNECT you can.



DIMMING

Control how bright your lights are at any time.



GROUPING

Group the lights positioned over your breakfast bar in the kitchen or group lights in your hall with those in your bathroom so you can light the way for your kids during the night.



MULTI-USER

ROBUS CONNECT lets everyone in the household have control as long as they have internet connection.



SCHEDULES

You can set timers for all the ROBUS CONNECT light fittings in your home. Set them to come on when you usually get back from work or to turn off when you leave in the morning.



COLOUR SELECT

Choose from a range of white colour temperatures and any other colour imaginable using your smartphone.



ROBUS CONNECT

THE BENEFITS



ENERGY SAVING

Controlling and/or scheduling your light fittings will ensure that all of your lights not using power unnecessarily when not at home.



AUTOMATION

Allow your light fittings to respond automatically to scenarios. Set your lights to react to certain environmental conditions (temperature, humidity, sunrise etc.).



SET THE SCENE

Set the scene you want in your home or room. You can customise your own scenes. Once you have a lighting sequence that you are happy with you can save it in the ROBUS CONNECT App as a Scene, e.g. 'Wake Up', 'Chill Time', 'Homework', 'Movie Night'.



MULTI-LOCATION

As long as you have an internet connection, you can have complete control of your light fittings from anywhere.

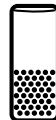


USE WITH THE CLOUD

You can link your ROBUS CONNECT light fittings with other cloud services, Google Home, Alexa or via IFTTT to open your smart home lighting system for infinite possibilities.

Alexa, set kitchen to warm white

Alexa, set strip light to red



Scan here to download the ROBUS CONNECT app





Cloud Connection



ALEXA & GOOGLE HOME

ROBUS CONNECT is compatible with Amazon Alexa and Google Assistant. Just search for Smart Life in your Alexa or Google Home companion App. This allows you to:



GROUP OTHER CLOUD-BASED DEVICES

If you own other Alexa or google assistant smart products you can use them alongside your ROBUS CONNECT devices.

VOICE CONTROL

"Hey Google, set my ROBUS downlights to warm white" or "Alexa, set my ROBUS Flexi-strip to red".



2.4GHZ WIFI

All ROBUS CONNECT devices require a 2.4GHz WIFI network to connect to. Please note that if you have a 5GHz router it will have a 2.4GHz band running as well.

To pair your devices you will need to make sure your phone is connected to the 2.4GHz network, The ROBUS CONNECT App will alert you if you are not.

Some routers have different network names for the 2.4GHz and 5GHz networks making it easy to select the correct one. If your router doesn't have the networks separated then the easiest thing to do is log in to the router settings page and disable the 5GHz network during pairing. If this cannot be disabled there are some things to try:

- Move your phone further from the router so it loses 5GHz connectivity
- Use an older phone/tablet with 2.4GHz WIFI only to pair devices
- Pair devices to a mobile hotspot with the same network name and password as the WIFI network

ROBUS CONNECT USING THE APP



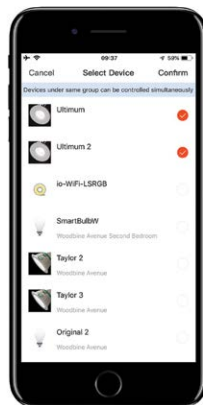
HOME

Navigate the app from your home screen.



ADJUST LIGHTS

Change light settings using a simple interface.



GROUP DEVICES

Control multiple devices from one screen.



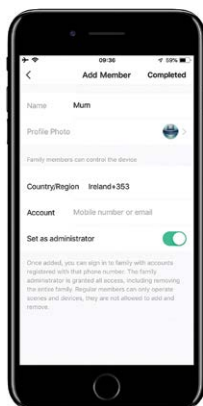
SCENE

Set actions to happen at the touch of a button.



AUTOMATION

Set actions to happen automatically.



MULTI-USER

Add multiple users to your home.

ROBUS CONNECT TAYLOR CONNECT



TAYLOR 6.5W TUNABLE LED WI-FI DIMMABLE DOWNLIGHT

This new version of the ROBUS TAYLOR downlight is the first of an exciting new ROBUS CONNECT family of products. It combines the great performance characteristics of the Taylor with the latest in Wi-Fi controllability using the ROBUS CONNECT App. This provides mobile phone and remote access control over the internet of ROBUS CONNECT products including on/off switching, tunable colour temperature, dim level, grouping and scene setting, also integrates with Google Assistant and Amazon Alexa WIFI devices.

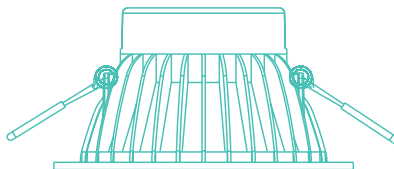
ACCESSORIES

RC9TRIM-04	92mm cut out, Black
RC9TRIM-11	92mm cut out, Matte white
RC9TRIM-13	92mm cut out, Brushed Chrome
RC9TRIM-15	92mm cut out, Silver

DIMENSIONS (mm) Diameter Cut-out Depth proj

RC9CCTWIFI-01	108	92	70	3
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	RC9CCTWIFI-01
Comparable to:	50W Halogen
Total Power (W):	6.5 - 6.7
Total Light Output (lm):	580 - 600
Efficacy (lm/cctW):	88 - 93
Lifetime (hrs):	30,000
Beam Angle (deg):	90
Lux at 1m (lux):	260 - 280
CCT (K):	2,700 - 6,500
CRI (Ra):	80
Power Factor (PF):	0.9
Weight (kg):	0.23
Box Qty:	1



Tunable White



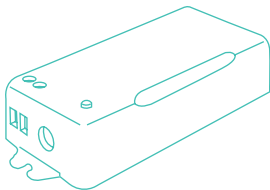


ROBUS CONNECT VEGAS CONNECT

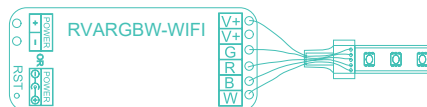


VEGAS CONNECT 240W, IP20, SINGLE COLOUR, RGB & RGBW

This WIFI Controller works with a selection of ROBUS VEGAS LED Flexi-strip drivers and LED Flexi-strip and is available in Single Colour, Tunable White, RGB and RGBW. Once wired, simply attach the ROBUS VEGAS LED Flexi-strip to any surface you desire – under cabinets, window displays, kitchen islands etc. You'll be able to set scenes using a variety of colour temperatures and a huge array of colour options



DIMENSIONS (mm)	Length	Width	Height
RVACCT1-WIFI	99	39	21
RVARGB-WIFI	99	39	21
RVARGBW-WIFI	99	39	21

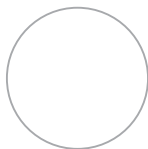




	RVACCT1-WIFI	RVARGB-WIFI	RVARGBW-WIFI
Total Power (W):	120/240	120/240	120/240
Lifetime (hrs):	30,000	30,000	30,000
Colour:	Single Colour	RGB	RGB + white
Weight (kg):	0.15	0.15	0.15
Box Qty:	1	1	1



Note: ROBUS VEGAS dimmable drivers do not work with ROBUS VEGAS CONNECT and ROBUS PULSE CONNECT controllers



Single Colour



RGB



RGBW

ROBUS CONNECT PULSE CONNECT



PULSE CONNECT 96W WI-FI CONTROLLER, IP20, SINGLE COLOUR & RGB

This WIFI Single Colour or RGB Dimming Controller works with a selection of ROBUS PULSE LED Flexi-strip drivers and LED Flexi-strip. Once wired, simply attach the ROBUS PULSE LED Flexi-strip to any surface you desire – under cabinets, window displays, kitchen islands etc.

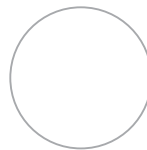
You can control multiple controllers at once using the ROBUS CONNECT App

	R5MCCT1-01	R5MRGB-01
Total Power (W):	<1	<1
Lifetime (hrs):	30,000	50,000
Weight (kg):	0.02	0.02
Box Qty:	1	1

DIMENSIONS (mm)

R5MRGB-WIFI 204 23 10

R5MCCT1-WIFI 204 23 10



Single Colour



RGB





COMMERCIAL

SPACE LED PANEL	30
SPACE LED CCT3 SELECTABLE PANEL	34
BARON LED CCT3 SELECTABLE BATTEN	42
BRAZEN LED CCT3 SELECTABLE BATTEN	44
DUKE LED CCT3 SELECTABLE BATTEN	46

COMMERCIAL SPACE LED PANEL

NEW!



600x600mm

SPACE LED PANEL, 4000K, 600x600MM & 300x600MM, LOW FLICKER, WHITE

- There's a full range of sizes and lumen packages available to provide a solution for most applications and ceiling grid layouts
- Advanced driver architecture design provides a "Low Flicker" solution
- Comes with flex & plug
- To aid mounting, a range of surface mount boxes, recess kits and suspension solutions are available for solid, apex or suspended ceiling applications
- A high quality thermoplastic diffuser ensures that light transmission is maximised into the lit space and a low glare light is provided for visual comfort

ACCESSORIES

RAMSUS-2W	2 Wire Suspension Kit for 300x600mm
RAMSUS-4W	4 Wire Suspension Kit for 600x600mm
HED2040	DALI, Switch Dim and 1-10V driver
RMP30-PSU	30W dimmable driver
RAMRC	Plaster Boards Recessed Clips Kit

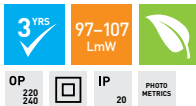
DIMENSIONS(mm)	Width	Length	Depth
RP14403060F-01	295	595	10
RP30406060F-01	595	595	10

LOW FLICKER

ADVANCED DRIVER ARCHITECTURE DESIGN PROVIDES A "LOW FLICKER" SOLUTION IN LINE WITH THE LIGHTING COUNCIL AUSTRALIA REQUIREMENTS, TO REDUCE EYE DISCOMFORT, FATIGUE AND ASSOCIATED HEADACHES OR DROWSINESS FOR MORE SUSCEPTIBLE PEOPLE.



	300x600	600x600
	14W 4000K	30W 4000K
	RP14403060F-01	RP30406060F-01
Comparable to:	2x18W	4x18W
Total Power (W):	14.3	30.6
Total Light Output (lm):	1,380	3,270
Efficacy (lm / cctW):	97	107
Lifetime (hrs):	30,000	30,000
Lux at 1m (lx):	470	1,070
Beam Angle (deg):	110	120
CCT (K):	4000	4000
CRI:	80	80
Power Factor (PF):	0.95	0.95
Weight (kg):	1.8	2.5
Box Qty:	1	1



COMMERCIAL SPACE LED PANEL



300x1200mm

SPACE LED PANEL, 4000K, 300x1200MM, LOW FLICKER, WHITE

- There's a full range of sizes and lumen packages available to provide a solution for most applications and ceiling grid layouts
- Advanced driver architecture design provides a "Low Flicker" solution
- Comes with flex & plug
- To aid mounting, a range of surface mount boxes, recess kits and suspension solutions are available for solid, apex or suspended ceiling applications
- A high quality thermoplastic diffuser ensures that light transmission is maximised into the lit space and a low glare light is provided for visual comfort

30W

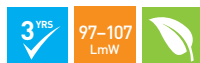
	300x1200
	30W 4000K
	RP30403012F-01
Comparable to:	2x36W
Total Power (W):	30.3
Total Light Output (lm):	3,150
Efficacy (lm / cctW):	104
Lifetime (hrs):	30,000
Lux at 1m (lx):	1,070
Beam Angle (deg):	110
CCT (K):	4000
CRI:	80
Power Factor (PF):	0.95
Weight (kg):	2.4
Box Qty:	1

ACCESSORIES

RAMSUS-3W	3 Wire Suspension Kit for 300x1200mm
R1230SMKFB-01	300x1200 Surface Mount Box Kit
R1230SMKFB-01	300x1200 Slim Surface Mount Box Kit
R1230RF-01	300x1200 Plaster Boards Recessed Frame
HED2040	DALI, Switch Dim and 1-10V driver
RMP30-PSU	30W dimmable driver
RAMRC	Plaster Boards Recessed Clips Kit

DIMENSIONS(mm) Width Length Depth

RP30403012F-01	295	1,195	10
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COMMERCIAL SPACE LED PANEL



600x1200mm

SPACE LED PANEL, 600x1200MM, WHITE

- Suitable for use in offices, shops, hotels, restaurants, reception areas, schools, health centres, hospitals
- Fits into standard sizes of ceiling grid – 15mm and 24mm
- Surface mounted boxes available (R60120SMKFB-01 and R60120SMKD-01)
- Simple to install and low/no maintenance
- C/w 1m flex and plug
- Suitable for switching by external PIR, Microwave or Photocell

60W

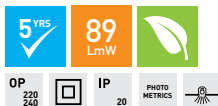
	Neutral White
	600x1200
	60W 4000K
	RP60406012-01
Comparable to:	4X36W
Total Power (W):	60.6
Total Light Output (lm):	5,380
Efficacy (lm / cctW):	89
Lifetime (hrs):	50,000
Lux at 1m (lx):	1,860
Beam Angle (deg):	110
CCT (K):	4000
Power Factor (PF):	0.95
CRI:	80
Weight (kg):	3

ACCESSORIES

RAMSUS-6W	6 Wire Suspension Kit for 600x1200mm panels
R60120SMKFB-01	600x1200 Surface Mount Box Kit
HED2040	DALI, Switch Dim and 1-10V driver
RMP30-PSU	30W dimmable driver
RAMRC	Plaster Boards Recessed Clips Kit

DIMENSIONS(mm) Width Length Depth

RP60406012-01	595	1,195	10
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COMMERCIAL SPACE LED CCT3 SELECTABLE PANEL



300x1200mm

SPACE LED PANEL, CCT3 SELECTABLE, 300X1200MM, LOW FLICKER, WHITE

- Unique design enabling change of colour temperature between 3000K, 4000K and 6500K
- Comes with flex & plug
- To aid mounting, a range of surface mount boxes, recess kits and suspension solutions are available for solid, apex or suspended ceiling applications
- Surface mounted boxes available (R1230SMKFB-01 and R1230SMKFBS-01)

ACCESSORIES

R1230SMKFB-01	300x1200 Surface Mount Box Kit
R1230SMKFBS-01	300x1200 Slim Surface Mount Box Kit
HED2040	DALI, Switch Dim and 1-10V driver
RMP30-PSU	30W dimmable driver
RAMRC	Plaster Boards Recessed Clips Kit

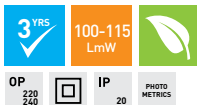
DIMENSIONS(mm)	Width	Length	Depth
RP30CCT33012F-01	295	1,195	10

LOW FLICKER

ADVANCED DRIVER ARCHITECTURE DESIGN PROVIDES A "LOW FLICKER" SOLUTION IN LINE WITH THE LIGHTING COUNCIL AUSTRALIA REQUIREMENTS, TO REDUCE EYE DISCOMFORT, FATIGUE AND ASSOCIATED HEADACHES OR DROWSINESS FOR MORE SUSCEPTIBLE PEOPLE.



	300x1200
	30W 3000/4000/6500K
	RP30CCT33012F-01
Comparable to:	2x36W
Total Power (W):	28.8/27.5/28.5
Total Light Output (lm):	3040/3280/3040
Efficacy (lm / cctW):	100/115/106
Lifetime (hrs):	30,000
Lux at 1m (lx):	930/1020/980
Beam Angle (deg):	120
CCT (K):	3000/4000/6500
CRI:	80
Power Factor (PF):	0.96
Weight (kg):	2.7
Box Qty:	1



COMMERCIAL SPACE LED PANEL LIGHT



600x1,200mm

SPACE flat packed surface mount box

- A surface mount box that allows for the surface mounting of a panel with the driver concealed behind the fitting or located behind the wall / ceiling void
- Surface mount box frames supplied flat packed and must be assembled on site

DIMENSIONS(mm)	Width	Length	Depth
R6060SMKFBS-01	600	600	20
R6060SMKFB-01	600	600	50
R1230SMKFBS-01	300	1,200	20
R1230SMKFB-01	300	1,200	50
R60120SMKFB-01	600	1,200	50

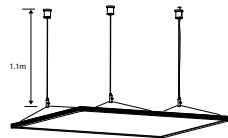


Surface Mount box
600x600mm

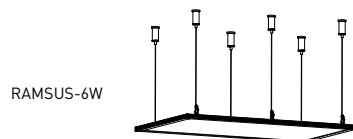
SPACE suspension kits

- Suspension kits enable panel to be suspended at a length of 1.2/1.5m

RAMSUS-3W	3 wire for 300x1200mm panels
RAMSUS-4W	4 wire for 600x600mm panels
RAMSUS-6W	6 wire for 600x1200mm panels
RAMSST	Safety bracket and 2m strap kit



RAMSUS-3W



RAMSUS-6W

COMMERCIAL SPACE LED PANEL LIGHT



SPACE recessed plaster board frame, white

- Aluminum frame for 600x600mm and 1,200 x 300mm panels allowing recessed mounting in the plaster board ceilings
- High quality powder coating
- Easy to install

	R6060RF-01	R1230RF-01
Weight (kg):	0.7	0.7

DIMENSIONS(mm)	Width	Length	Depth	Cut-Out
R6060RF-01	630	630	40	610x610
R1230RF-01	330	1,230	40	1,202x302
HED2040-D	-	123.2	30	-

DALI 1-10V, Switch Dimmable, 40W LED current selectable driver

- Current universal driver suitable for use with ROBUS SPACE and ROBUS MORPH range of products
- Allows DALI, 1-10V or switch dim dimming
- Adjustable current output of 350-1100mA
- Up to 64 drivers can be controlled by switch-dim by simple programming
- Manual override function in DALI systems enabled by connecting switch dim at the same time allowing manual control of the circuit
- Output short circuit and over-heat protection with auto-reset

	HED2040-D
Total Power (W):	40
Power Factor (PF):	0.95

IP
20

30W dimmable driver

- Provides functional dimming to compliment natural light
- Saves even more energy when dimmed
- Great as a retrofit solution with existing dimmer switches

	RMP30-PSU
Total Power (W):	30



COMMERCIAL SPACE LED PANEL LIGHT

SPACE FLUORESCENT REPLACEMENT

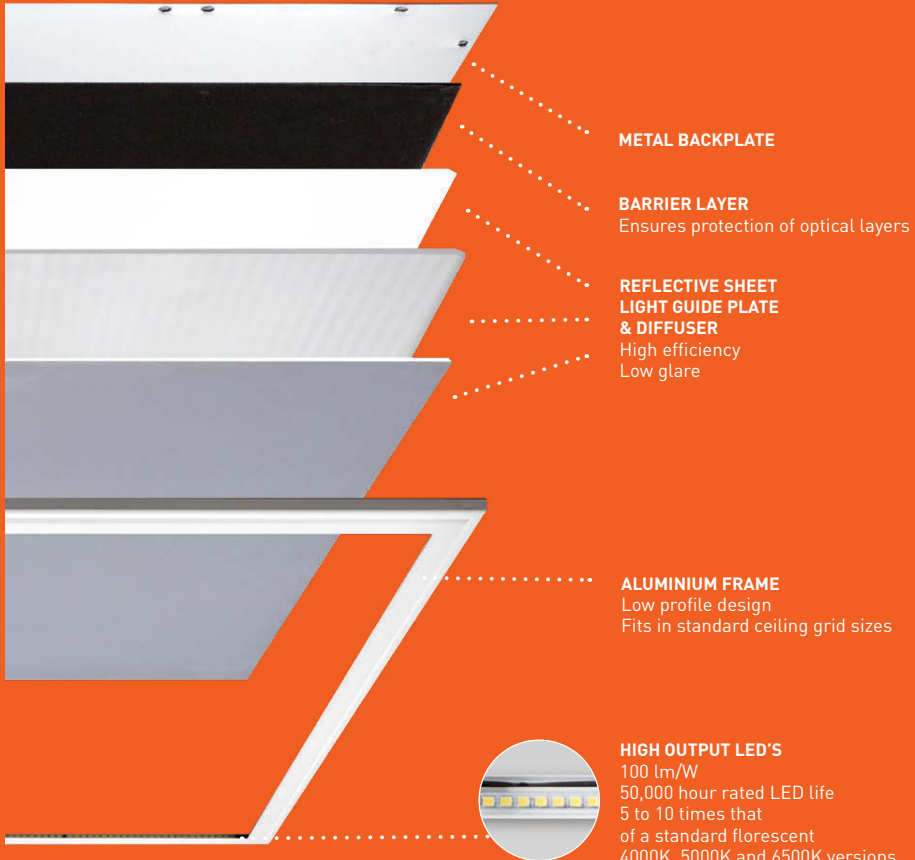
The ROBUS slim profile LED panel light allows you to create a beautiful environment of space and a sense of natural light.

Fast and simple to install, it replaces the standard fluorescent T8 lay-in modules to provide energy efficient, but perhaps more importantly, low maintenance solutions where constant replacement of fluorescent tubes and cleaning of the fitting can be avoided.

Installed where energy savings and low maintenance costs are of paramount importance it will enable the building to achieve a low carbon footprint and complies with today's building regulations producing up to 100 lumens per circuit watt.

ACCESSORIES AVAILABLE: Kits for surface or suspension mounting where installation has a solid or very high ceiling

EXTRA SAVINGS: Suitable for switching by external PIR, Microwave Sensor or Photocell









COMMERCIAL

BARON LED CCT3 SELECTABLE BATTEN

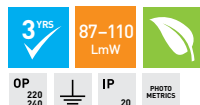
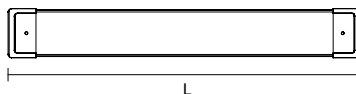
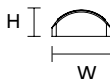


BARON LED CCT3 SELECTABLE BATTEN, IP20, WHITE

- Suitable for use in apartment blocks, public buildings, care homes, communal areas, reception areas
- Correlated Colour Temperature (CCT) selectable via 3 way switch under one of end caps enabling switching between 3000K, 4500K and 6500K
- LED replacement for 2x18W and 2x36W T8 fluorescent fittings
- Centre cable entry/rear access
- Low profile aluminium housing with polycarbonate end caps and diffuser
- Suitable for switching by external PIR, Microwave or Photocell

	600mm	1,200mm
	RBN2006CCT3-01	RBN4012CCT3-01
Comparable to:	2 x 18W	2 x 36W
Total Power (W):	20.2/19.9/20.3	40/38.7/40.3
Total light output (lm):	1,960/2,180/2,080	3,460/3,880/3,640
Efficacy (lm/cctW):	97/110/103	87/100/90
Lifetime (hrs):	30,000	30,000
Beam Angle (deg):	120	120
Lux at 1m (lux):	600/670/640	1,010/1,140/1,070
CCT (K)	3000/4500/6500	3000/4500/6500
CRI:	>80	>80
Power Factor (PF):	0.95	0.95
Impact Rating (IK):	07	07
Box Qty:	1	1
Weight (kg)	0.32	0.61

DIMENSIONS(mm)	Length	Width	Height
RBN2006CCT3-01	600	83.4	37.8
RBN4012CCT3-01	1,200	83.4	37.8





COMMERCIAL

BRAZEN LED CCT3 SELECTABLE BATTEN

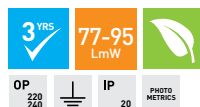
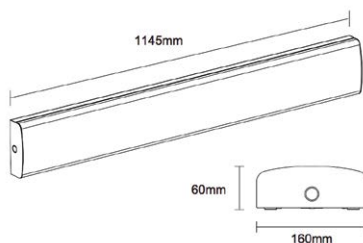


BRAZEN 40W LED BATTEN, IP20, 1.2M, CCT3 SELECTABLE

- Suitable for offices, schools, health centres, care homes, corridors, stairwells
- Low profile aluminium housing with polycarbonate end caps and diffuser
- 160mm wide base - covers old luminaire footprint when retrofitting
- CCT changing via 3 way switch inside the fitting enabling switching between 3000K, 4000K and 6500K
- Large screw terminal block allowing max 2.5mm² conductors
- Suitable for switching by PIR, Microwave or Photocell

	1,145mm
	RBZ4012CCT3-01
Comparable to:	2 x 36W T8 fluorescent
Total Power (W):	39.3/37.2/39.8
Total light output (lm):	3,160/3,530/3,040
Efficacy (lm/cctW):	81/95/77
Lifetime (hrs):	50,000
Beam Angle (deg):	120
Lux at 1m (lux):	960/1,080/930
CCT (K)	3000/4000/6500
CRI:	>80
Power Factor (PF):	0.97
Impact Rating (IK):	08
Box Qty:	1
Weight (kg)	1.8

DIMENSIONS(mm)	Length	Width	Height
RBZ4012CCT3-01	1,145	160	60





COMMERCIAL

DUKE LED CCT3 SELECTABLE BATTEN

This conventionally designed batten provides a strong and robust lighting solution whilst integrating the latest LED and driver technology to provide an energy efficient and long life alternative to traditional light sources. A unique integral microwave sensor option combined with dual wattage driver provides additional savings to reduce the buildings carbon footprint.

INTEGRAL MICROWAVE SENSOR VERSIONS HAVE THE ROBUST 3-STEP DIMMING FUNCTION;

- Full brightness on detection of movement
- Selectable background light after no-detection hold time
- Off after a further standby time (this time can be ∞)
- Selectable detection zone sensitivity, Lux switching point, background light levels, hold and standby times
- Cost effective functional solution for energy saving when the area is vacated

BENEFITS OF INTEGRAL SENSOR WITH 3-STEP DIMMING FUNCTION:

Integral MW driver function drives the LED's at 100% when the MW sensor detects movement above 50lx

Adjustable detection zone and lux switching point (light levels before switching on)

Standby time can be infinity, so light always remains on at reduced level

Available in:

2FT, CCT Selectable	RDK2006CCT3-01
4FT, CCT Selectable	RDK4012CCT3-01
4FT, CCT Selectable, Emergency	RDK4012CCT3E-01
4FT, CCT Selectable, Integral Microwave Sensor	RDK4012CCT3DP-01
4FT, CCT Selectable, Integral Microwave Sensor & Integral Emergency	RDK4012CCT3DPE-01

FEATURES:

CCT3 SELECTABLE

Colour Temperature Selectable between 3000, 4000 and 6500K

AVAILABLE WITH MW SENSOR WITH 3-STEP DIMMING FUNCTION

Cost effective and energy saving

HIGHT IMPACT RATING

IK08

SLIM PROFILE

65mm wide for single fittings

HIGH STRENGTH

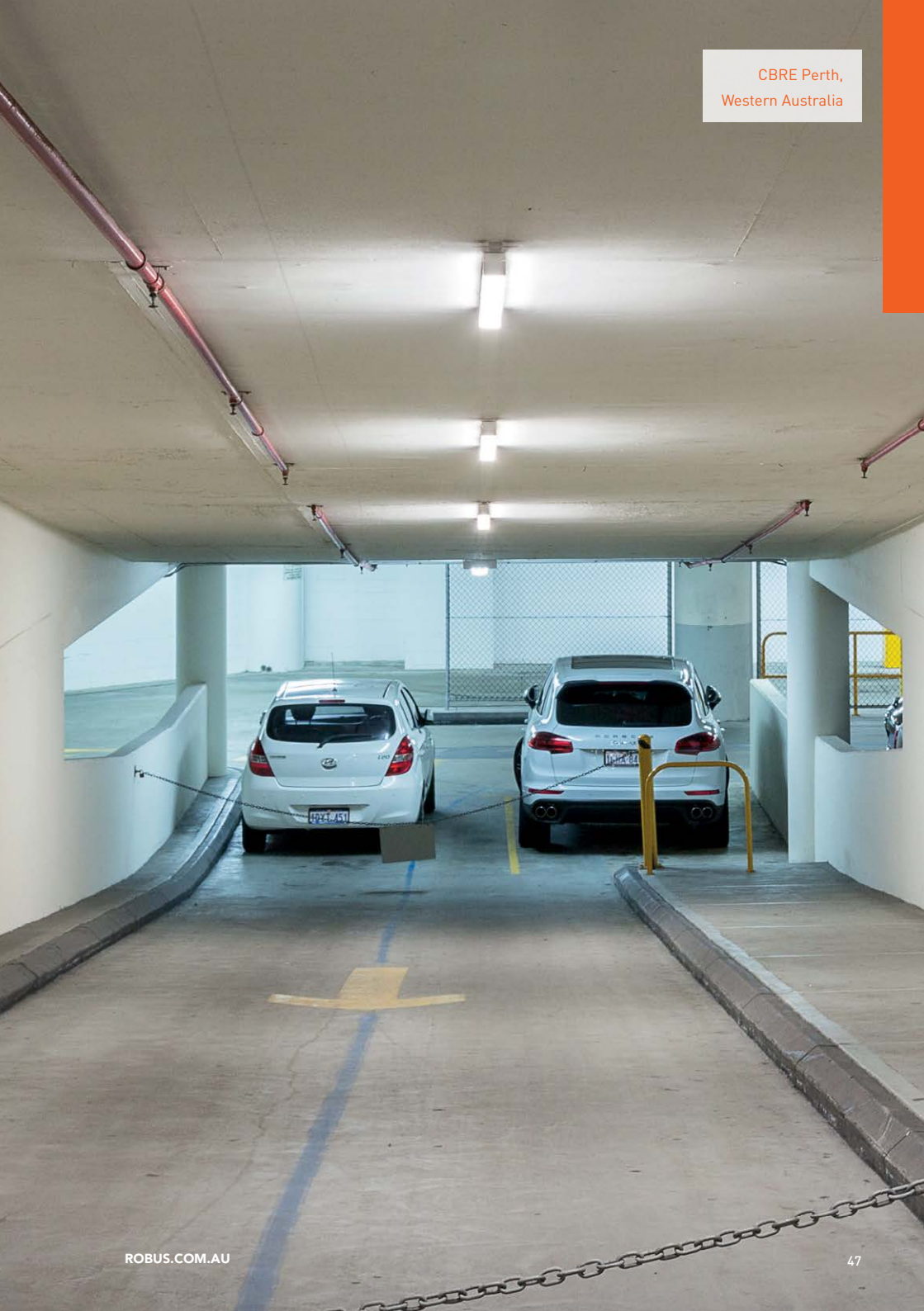
Pressed steel housing with polycarbonate diffuser and end caps

COST EFFECTIVE

50,000 hour rated LED life
Reduced energy, maintenance and disposal costs

PERFORMANCE DRIVEN

Up to 114 lumens per circuit watt
5 year warranty



COMMERCIAL DUKE LED CCT3 SELECTABLE BATTEN



DUKE LED BATTEN, CCT SELECTABLE, WHITE

- Suitable for use in offices, hotels, retail shops, schools, health centers, care homes, corridors, stairways
- Colour temperature selectable, choose between 3000/4000/6500
- MW sensor and MW sensor & emergency available to reduce costs and save energy
- Pressed steel housing with polycarbonate diffuser and end caps
- Large terminals allowing easy loop-in/ loop-out
- Suitable for switching by PIR, microwave or photocell
- Emergency version available providing 2 hours discharge duration
- 380 lumen output in emergency mode, 10% of maintained output

ACCESSORIES

R360PIR-01	PIR sensor for linear fittings
R360RC-01	Remote control/programmer for PIR Sensor

DIMENSIONS(mm)

	Length	Width	Height
RDK2006CCT3-01	600	65	66
RDK4012CCT3(DP)-01	1,200	65	66
RDK4012CCT3(DP)E-01	1,200	65	66

REMOTE CONTROL

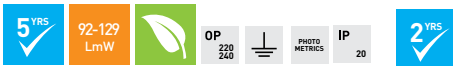
	R360RC-01
Detection Area:	360°
Motion Detection Range:	7m Diameter at 2.8m
Loading:	Max. 300W LED Max. 300W Fluorescent Max. 300W Incandescent
Time Settings:	10 Seconds to 60 minutes for standby 1 Minute to 24 hours dimming time
Lux at 1m (lux):	10-50lx and daylight setting
Impact Rating (IK):	10



APC Group Bassendean ,
Australia

	20W	40W	40W
Standard	RDK2006CCT3-01	RDK4012CCT3-01	RDK4012CCT3E-01
Integral MW Sensor		RDK4012CCT3DP-01	
Emergency			RDK4012CC3DPE-01
Integral MW Sensor & Integral Emergency			
Comparable to:	2 x 18W T8	2 x 36W T8	2 x 36W T8
Total Power (W):	19.4/18.4/19.2	42.3/39.1/41.5	45.2/42.1/44.6
Power Factor (PF):	0.95	0.95	0.95
Total Light Output (lm): Standard	2,040/2,360/2,340	4,160/4,920/4,190	1,040/1,220/1,210
Emergency		380	380
Efficacy (lm / cctW):	106/129/122	98/126/101	92/117/110
Lifetime (hrs):	50,000	50,000	50,000
Lux at 1m (lux): Standard	510/590/580	1,040/1,220/1,210	1,040/1,220/1,210
Emergency			100
Beam Angle (deg):	140	140	140
CCT (K):	3000/4000/6500	3000/4000/6500	3000/4000/6500
CRI:	80	80	80
IP:	20	20	20
Box Qty:	1	1	1
Weight (kg): Standard	1.32	1.7	2.1
Emergency	1.7	1.8	2.2

Emergency Warranty



Roar Fitness, Bibra Lake,
Australia





CHAMPION LED FLOOD LIGHT

ROBUS®

INDUSTRIAL

SULTAN LED CORROSION PROOF CCT3	54
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STREEX LED STREET LIGHT	68

INDUSTRIAL

SULTAN LED CORROSION PROOF CCT3

Sleek, slim and robust, the ROBUS SULTAN LED Corrosion Proof CCT Selectable is a perfect LED retrofit solution where fluorescent corrosion proofs are used. The high strength polycarbonate housing and evenly diffused light is perfect for use in car parks, cold stores, corridors and garages. Colour temperature can be selected on site which has benefits to the wholesaler, installer and end user.

INTEGRAL MICROWAVE SENSOR VERSIONS HAVE THE ROBUS 3-STEP DIMMING FUNCTION;

- Full brightness on detection of movement
- Selectable background light after no-detection hold time
- Off after a further standby time (this time can be ∞)
- Selectable detection zone sensitivity, Lux switching point, background light levels, hold and standby times
- Cost effective functional solution for energy saving when the area is vacated

Available in:

Single 2FT, CCT Selectable	RSU1206CCT3-24
Single 4FT, CCT Selectable	RSU2412CCT3-24
Double 2FT, CCT Selectable	RSU2406CCT3-24
Double 2FT, CCT Selectable, Emergency	RSU2406CCT3E-24
Double 4FT, CCT Selectable	RSU4812CCT3-24
Double 4FT, CCT Selectable, Emergency	RSU4812CCT3E-24
Double 4FT, CCT Selectable, Integral Microwave Sensor	RSU4812CCT3DP-24
Double 4ft, CCT Selectable, Integral Microwave Sensor & Integral Emergency	RSU4812CCT3DPE-24
Double 4ft, CCT Selectable, Standard 110-240V	RSU4812CCT3110-24
Double 4ft, CCT Selectable, Emergency 110-240V	RSU4812CCT3110E-24

FEATURES:

CCT3 SELECTABLE

Colour Temperature Selectable between 3000, 4000 and 6500K

AVAILABLE WITH MW SENSOR WITH 3-STEP DIMMING FUNCTION

Cost effective and energy saving

CORROSION PROOF

IP65

SLIM PROFILE

85mm wide for single fittings
103mm wide for double fittings

HIGH STRENGTH POLYCARBONATE BASE & DIFFUSER

Wide beam angle and no glare
Evenly diffused light

EASY INSTALLATION

Wire through the back or from either end

COST EFFECTIVE

50,000 hour rated LED life
Reduced energy, maintenance and disposal costs

WIDE RANGE OF APPLICATIONS

No heat filaments or electrodes
Resistant to shock and vibration
Withstands temperatures of -25°C

PERFORMANCE DRIVEN

Up to 114 lumens per circuit watt
5 year warranty



INDUSTRIAL

SULTAN LED CORROSION PROOF CCT3



SULTAN LED CORROSION PROOF, GREY

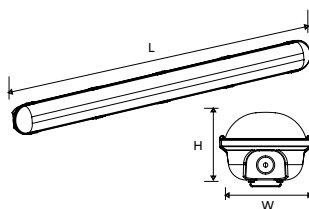
- Suitable for workshops, garages, warehouses, car parks, farm buildings, wet areas
- LED replacement for 1x18W, 2x18W, 1x36W & 2x36W, fluorescent corrosion proof fittings
- Colour temperature selectable, choose between 3000/4000/6500
- Polycarbonate housing and diffuser and complete with stainless steel brackets
- Emergency version operates for 3 hours duration, c/w test switch
- Large terminals allowing easy loop-in/ loop-out
- Suitable for switching by external PIR, Microwave or Photocell

ACCESSORIES

R360PIR-01	PIR sensor for linear fittings
R360RC-01	Remote control/programmer for PIR Sensor
RCPPCLIPS-SLTN	Plastic Clips for SULTAN

	0.6M	0.6M
CCT3	1 x 12W	2 x 12W
Standard	RSU1206CCT3-24	RSU2406CCT3-24
Emergency		RSU2406CCT3E-24
Comparable to:	1 x 18W	2 x 18W
Total Power (W):	13.1/12.5/13.0	23.5/22.0/23.3
Total Light Output (lm):	1100/1310/1320	2,220/2,600/2,550
Emergency		330
Efficacy (lm / cctW):	85/106/102	95/118/109
Emergency		84/104/97
Lifetime (hrs):	50,000	50,000
Beam Angle (deg):	140	120
Lux at 1m (lux):	310/360/360	650/760/740
Emergency		100 Em
CCT (K):	3000/4000/6500	3000/4000/6500
CRi:	80	80
Power Factor (PF):	0.95	0.95
Impact Rating (IK):	08	08
Box Qty:	1	1
Weight (kg):	1.1	1.1
Emergency		1.5

DIMENSIONS(mm)	Width	Length	Height
RSU1206CCT3-24	632	85	77
RSU2406CCT3(E)-24	632	103	77
RSU2412CCT3-24	1,232	85	77
RSU4812CCT3(E)-24	1,232	103	77
RSU4812CCT3110(E)-24	1,232	103	77
RSU4812CCT3DP(E)-24	1,232	103	77



INDUSTRIAL SULTAN LED CORROSION PROOF CCT3

		1.2M	1.2M	1.2M
CCT3		1 X 24W	2 X 24W	2 x 24W
Standard		RSU2412CCT3-24	RSU4812CCT3-24	
Emergency			RSU4812CCT3E-24	
Standard 110-240V				RSU4812CCT3110-24
Emergency 110-240V				RSU4812CCT3110E-24
Comparable to:		1 x 36W	2 x 36W	2 x 36W
Total Power (W):		25.2/23.2/25.2	47.3/43.2/46.6	47.3/43.2/46.6
Total Light Output (lm):	Standard	2480/2770/2690	4,130/4,910/4,780	4,130/4,910/4,780
	Emergency		350	330
Efficacy (lm / cctW):	Standard	99/120/107	87/114/108	87/114/108
	Emergency		82/107/97	82/107/97
Lifetime (hrs):		50,000	50,000	50,000
Beam Angle (deg):		120	120	120
Lux at 1m (lux):	Standard	680/760/730	1,230/1,450/1,410	1,230/1,450/1,410
	Emergency		110	110
CCT (K):		3000/4000/6500	3000/4000/6500	3000/4000/6500
CRI:		80	80	80
Power Factor (PF):		0.95	0.95	0.95
Impact Rating (IK):		08	08	08
Box Qty:		1	1	1
Weight (kg):	Standard	1.3	1.5	1.55
	Emergency		1.8	

		1.2M
CCT3		2 x 24W
Integral MW Sensor		RSU4812CCT3DP-24
Integral MW Sensor & Integral Emergency		RSU4812CCT3DPE-24
Comparable to:		2 X 36W
Total Power (W):		47.3/43.2/46.6
Total Light Output (lm):	Standard	4,130/4,910/4,780
	Emergency	350
Efficacy (lm / cctW):	Standard	87/114/108
	Emergency	82/107/97
Lifetime (hrs):		50,000
Beam Angle (deg):		120
Lux at 1m (lux):	Standard	1,230/1,450/1,410
	Emergency	110
CCT (K):		3000/4000/6500
CRI:		80
Impact Rating (IK):		08
Power Factor (PF):		95
Box Qty:		1
Weight (kg):	Standard	1.75
	Emergency	2.1



Emergency Warranty



Remote Control



Roar Fitness Bibra Lake,
Australia



Mill Court, Charroterie, Guernsey,
Channel Islands, United Kingdom



INDUSTRIAL CHAMPION LED FLOOD LIGHT



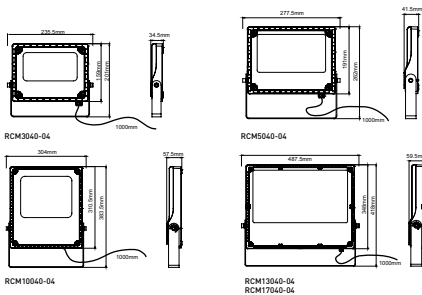
50W



100W

CHAMPION LED FLOOD LIGHT

- Suitable for use in industrial units, garages, car parks, atriums, decking areas, drives, pathways, sign illumination, wall washing & patios
- Die cast aluminium housing providing optimal heat dissipation and high resistance to weather conditions
- Pre-wired with 1m of rubber flex
- Complete with stainless steel screws
- No warm up or cool down period required by LED
- Self regulating drain valve on the fitting to stop the condensation
- Pre-drilled mounting bracket with 180° adjustable angle
- Suitable for switching by external PIR, Microwave or Photocell



DIMENSIONS (mm)	Height	Width	Depth
RCM3040-04	201	235.5	34.5
RCM5040-04	262	277.5	41.5
RCM10040-04	383.5	304	57.5
RCM13040-04	418	487.5	59.5
RCM17040-04	418	487.5	59.5



	30W	50W	100W	130W	170W
	RCM3040-04	RCM5040-04	RCM10040-04	RCM13040-04	RCM17040-04
Comparable to:	50W metal halide 200W halogen	80W metal halide 350W halogen	150W metal halide 800W halogen	250W metal halide 1200W halogen	400W metal halide 1500W halogen
Total Power (W):	28.8	47.8	94.6	127.0	174.7
Total Light Output (lm):	3,220	5,260	11,490	18,110	24,770
Efficacy (lm/cctW):	112	110	121	145	142
Lifetime (hrs):	50,000	50,000	50,000	50,000	50,000
Lux at 1m (lux):	1,200	1,900	4,200	6,520	8,920
Beam Angle (deg):	110	110	110	110	110
CCT (K):	4000	4000	4000	4000	4000
CRI:	80	80	80	80	80
Impact Rating (IK):	07	07	07	07	07
Power Factor (PF):	0.97	0.97	0.97	0.97	0.97
Box Qty:	1	1	1	1	1
Weight (kg):	1.1	1.6	3.5	5.9	5.9



INDUSTRIAL SONICO LED HIGHBAY



SONICO LED HIGHBAY, IP65, 1-10V DIMMABLE, BLACK

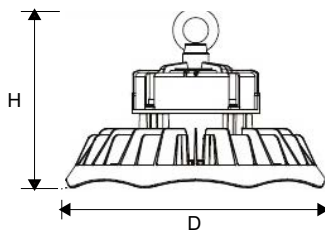
- Die cast aluminium housing with polycarbonate front providing high impact rating
- An integral high quality 1-10VDC dimmable constant current driver for standard on/off switching, or with optional Daylight Harvest Sensor, provides automatic daylight linked dimming to further reduce energy consumption
- Pre-wired with 2m flex and plug
- Suitable for switching by external PIR, Microwave or Photocell

ACCESSORIES

RSNB4-S	Surface mounting bracket for RSN12050DA4-04
RSNB4-L	Surface mounting bracket for RSN17050DA4-04

DIMENSIONS(mm)

	Diameter	Height
RSN12050DA4-04	282	142
RSN17050DA4-04	320	145



	RSN12050DA4-04	RSN17050DA4-04
Comparable to:	300W metal halide	400W metal halide
Total Power (W):	124.2	165.7
Total Light Output (lm):	18,710	25140
Efficacy (lm/cctW):	151	151
Lifetime (hrs):	50000	50000
Beam Angle (deg):	110	110
Lux at 1m (lx):	6,510	8750
CCT (K):	5000	5000
CRI (Ra):	80	80
Impact Rating (IK):	09	09
Power Factor (PF):	0.97	0.97
Box Qty:	1	1
Weight (kg):	2.81	3.64





Roar Fitness Bibra Lake,
Australia



INDUSTRIAL FALCON LED WALL LIGHT



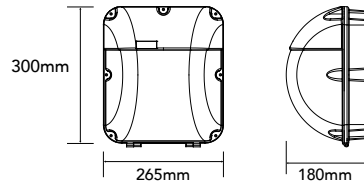
FALCON LED WALL LIGHT

- Suitable for use in indoor and outdoor parking areas, tunnels, walkways, building entrances, loading bays, fire assembly points
- Die cast aluminium housing providing optimal heat dissipation and high resistance to weather conditions
- Polycarbonate opal diffuser
- High impact rating of IK06
- Stainless steel screws
- Pre-wired with 1.5m of rubber flex
- Suitable for switching by external PIR, Microwave or Photocell

Daylight White

Standard	RFA05055X-04
Total Power (W):	49.6
Total Light Output (lm):	3,380
Efficacy (lm/cctW):	68
Lifetime (hrs):	30,000
Beam Angle (deg):	120
Lux at 1m (lux):	650
Power Factor (PF):	0.95
Impact Rating (IK):	07
CCT (K):	5500
CRI:	75
Weight (mm):	3.04fried

DIMENSIONS (mm)	Width	Height	Depth
RFA05055X-04	265	300	180





INDUSTRIAL STREX LED STREET LIGHT

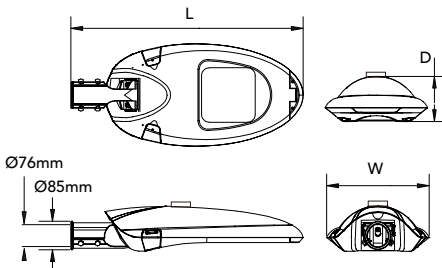


STREX LED STREET LIGHT, GREY

- Suitable for use in public or private roads, hotel drives and car parks
- High impact rating of IK08
- Body is made of die cast aluminium with an extra corrosion resistant powder coating
- Standard stock is a wide S class beam – which reduces number of columns required and prevents “sky glow” unlike SOX and SON fittings
- Comes with 5 pin NEMA socket
- Two side retaining clips - preventing the fitting being blown open in windy conditions
- High quality Samsung LEDs - fully integrated
- LED system that provides optimal lumen output and thermal management for longer LED rated life

ACCESSORIES

RSE-PC 5-PIN NEMA Photocell



DIMENSIONS(mm)	Length	Width	Height
RSE3540S-25	690	305	134
RSE6040S-25	690	305	134
RSE9040S-25	690	305	134
RSE12040S-25	690	305	134
RSE20040S-25	829	385	172

INDUSTRIAL STREEX LED STREET LIGHT

1. HOUSING

The canopy & frame are made of anti-corrosion die-cast aluminium. RAL7037 grey as standard. Black and other RAL colours available on request

2. 5 PIN NEMA SOCKET TO ALLOW FOR PHOTOCCELL

35W STREEX is kept in stock and comes complete with 5 pin NEMA socket and waterproof cap Photocell can be ordered as an accessory – Code: RSE-PC All other wattages can be ordered on demand with choice of: NEMA socket and waterproof cap, NEMA socket and Photocell, or without

3. HIGH QUALITY SAMSUNG LEDS

Fully integrated LED system that provides optimal lumen output and thermal management for longer LED rated life

4. BEAM ANGLE LENS CONFIGURATIONS

S class lens available as standard. Other options available. See right panel for more information

5. STAINLESS STEEL HINGED HOLDER

Allows for hands & tool free installation

6. BREATHE HOLE

Helps to keep the thermal management of the fitting by balancing the internal and exterior temperature of the fitting preventing condensation build up on glass cover

7. TEMPERED GLASS COVER LENS

Prevents upward light to G5 glare classification and downward light to between G2 and G3 glare classification to BS EN 13201-2 2015

8. PHILLIPS XITANIUM 1-10V DRIVER

Providing high light output to match traditional lighting sources with energy savings of 50%

9. SURGE PROTECTION DEVICE

Surge protection device that acts as an additional defence to damage from power surges

10. CABLE CONNECTION

M16 cable gland with strain relief. Pre-wired with 10m of 3 core H05RR-F rubber flex

11. SPIRIT LEVEL

Makes head & beam alignment easier and compensates for misaligned columns

12. ADJUSTABLE SPIGOT MOUNT

Allows for side or column-top mounting and head fine adjustment in the horizontal or vertical position

13. 4 X STAINLESS STEEL M10 MOUNTING BOLTS

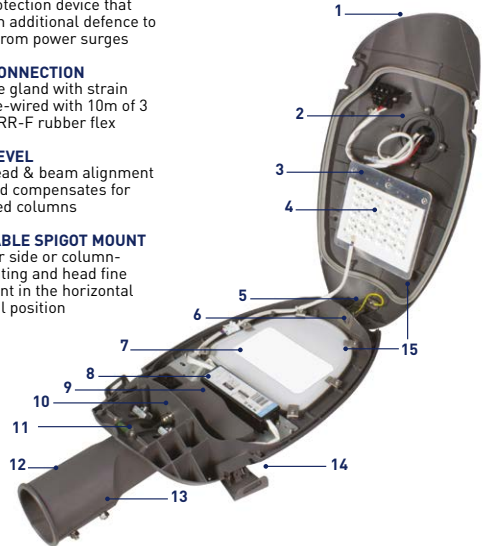
Creating a sturdy and secure positioning of the fitting

14. TWO SIDE RETAINING CLIPS

Canopy doesn't get blown open by strong winds or vibration

15. IP66 SILICONE GASKET

Creating a durable protective seal against excessive dust and moisture



	35W	60W	90W	120W	200W
	RSE3540S-25	RSE6040S-25	RSE9040S-25	RSE12040S-25	RSE20040S-25
Total Power (W):	34.9	62.3	91.7	114.7	197.9
Total Light Output (lm):	4,140	7,500	9,600	13,590	22,120
Efficacy (lm/cctW):	118	121	105	115	112
Lifetime (hrs):	50,000	50,000	50,000	50,000	50,000
Lux at 1m (lux):	860	1,500	2,340	4,120	6,740
CCT (K):	4000	4000	4000	4000	4000
CRI:	75	75	75	75	75
IP:	66	66	66	66	66
Impact Rating (K):	08	08	08	08	08
Power Factor (PF):	0.99	0.99	0.99	0.99	0.99
Weight (kg):	7.4	7.4	9.0	9.2	12.5



Ross Hall Hospital,
Glasgow, Scotland





STREEX LED STREET LIGHT

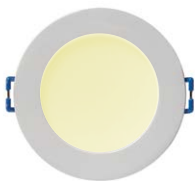


DOWNLIGHTS

STUDIO LED CCT3 SELECTABLE	76
GRANADA UGR \leq 22 CCT3 SELECTABLE	78
MORPH LED CCT3 SELECTABLE	80
MIRA LED DUAL WATTAGE CCT4 SELECTABLE	84
TAYLOR LED CCT4 SELECTABLE	86
SLOGAN LED CCT4 SELECTABLE SLIM	88
SIXSTAR LED MINI DOWNLIGHT	90

DOWNLIGHTS

CCT4 COLOUR TEMPERATURE SELECTABLE



WARM WHITE
1500K - 3500K



NEUTRAL WHITE
3500K - 4500K



COOL WHITE
4500K - 5500K



DAYLIGHT WHITE
5500K - 6500K

ROBUS CCT4 COLOUR TEMPERATURE SELECTABLE PRODUCTS

FOUR COLOUR TEMPERATURE SELECTABLE (CCT4):

This has benefits to the installer and end user as it allows the Colour Temperature to be selected on-site at the time of installation or changed retrospectively after installation to a preferred warmer or cooler light colour appropriate for the task and use of the lit space or to compliment decor colour. Having this option in one fitting reduces the need to stock several products.

THREE COLOUR TEMPERATURE SELECTABLE (CCT3)



STUDIO LED CCT3



GRANADA UGR<22 CCT3



MORPH LED CCT3

FOUR COLOUR TEMPERATURE SELECTABLE (CCT4)



TAYLOR LED CCT4



SLOGAN LED CCT4 SLIM



MIRA LED CCT4



DOWNLIGHTS

STUDIO LED CCT3 SELECTABLE

NEW!

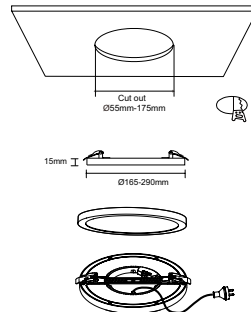


STUDIO LED CCT3 SELECTABLE DOWNLIGHT

- The fitting can be either recessed or surface mounted
- Adjustable stainless steel mounting bracket allowing mounting in cut outs of $\varnothing 55-250\text{mm}$
- CCT selectable between 3000K, 4000K and 6500K using switch on the back of the fitting
- Prewired with 800mm flex & plug
- Suitable for switching by PIR, Microwave or Photocell



DIMENSIONS (mm)	Diameter	Cut out	Height
RSD12CCT3-01	165	55-125	15
RSD18CCT3-01	217	55-175	15
RSD24CCT3-01	290	55-250	15





STUDIO LED
CCT3 SELECTABLE

	RSD12CCT3-01	RSD18CCT3-01	RSD24CCT3-01
Comparable to:	2x12W PL	2x18W PL	2x24W PL
Total Power (W):	12.5/12.8/12.6	18.1/18.6/18.2	22.8/23.5/22.7
Total Light Output (lm):	970/1080/990	1620/1770/1590	1820/2100/1870
Efficacy (lm/cctW):	77/84/79	89/95/87	80/90/83
Lifetime (hrs):	20,000	20,000	20,000
Beam Angle (deg):	115	115	115
Lux at 1m (lux):	330/370/340	560/610/570	630/730/650
CCT (K):	3000/4000/6500	3000/4000/6500	3000/4000/6500
CRI (Ra):	80	80	80
Power Factor (PF):	0.9	0.9	0.9
Box Qty:	1	1	1
Weight (kg):	0.33	0.47	0.77

2 YRS

77-95
LmW

OP
230
240

IP
20

PHOTO
METRICS

ICE

DOWNLIGHTS

GRANADA UGR≤22 CCT3 SELECTABLE



GRANADA 28W & 35W, UGR≤22, CCT SELECTABLE DOWNLIGHT

- White powder coated aluminium housing with polycarbonate diffuser and steel spring clips
- High reflectance 60-degree silvered reflector with combined faceted and smooth finish
- Ideal light colour for task-oriented applications
- Choice of 3,000K, 4,000K or 6,500K to suit the use of the lit space. It can also be changed if the tasks change in the area
- A recessed SMD light engine and slightly narrower beam angle makes this fitting particularly suitable for display or accent lighting while reducing glare to less than UGR22.

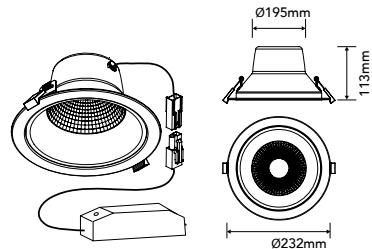
ACCESSORIES

HED2040-D	1-10V, DALI and Push dim driver available
RMP30-PSU	30W dimmable driver (28W only)

DIMENSIONS (mm)

	Diameter	Cut-out	Depth
RGA28CCT3-01	232	195	113
RGA35CCT3-01	232	195	113

	RGA28CCT3-01	RGA35CCT3-01
Comparable to:	2x26W T8	2x35W T8
Total Power (W):	29.7/28.5/29.7	33.9/33.8/33.9
Total light output (lm):	2,660/3,050/2,900	3,060/3,340/3,350
Efficacy (lm/cctW):	90/107/98	90/99/99
Lifetime (hrs):	50,000	50,000
Beam Angle (deg):	60	60
Lux at 1m (lux):	2,580/2,960/2,820	3,000/3,230/3,240
CCT (K)	3,000/4,000/6,500	3,000/4,000/6,500
CRI:	80	80
Power Factor (PF):	0.95	0.95
Box Qty:	1	1
Weight (kg)	0.7	0.7





GRANADA UGR \leq 22 LED

DOWNLIGHTS

MORPH LED CCT3 SLECTABLE DOWNLIGHT



MORPH LED CCT3 SELECTABLE, DIMMABLE

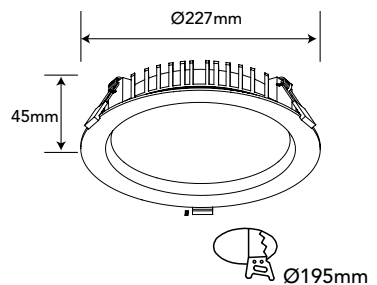
- Suitable for use in offices, reception areas, hotels, restaurants, shops, schools, hospitals, care homes
- Colour temperature selectable. Complete with in-line switch to select 4000K, 5000K or 6500K colour temperature
- LED replacement for a range of PL, CFL fittings
- Die cast aluminium body with polycarbonate diffuser
- C/w flex and plug
- Suitable for use with extension trim to 280mm (RMP280TRIM-01)
- Suitable for switching by PIR, Microwave or Photocell

ACCESSORIES

RMP280TRIM-01	280mm Extension Trim
RMPSMK-01	Surface Mount Can

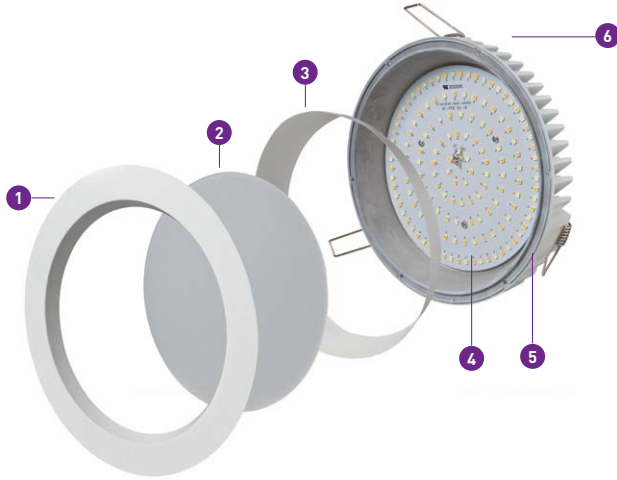
DIMENSIONS(mm)

	Diameter	Cut out	Depth
RMP20WDLCT3-01	227	195	45
RMP30WDLCT3-01	227	195	45
RMP50WDLCT3-01	227	195	45



DOWNLIGHTS

MORPH LED CCT3 SELECTABLE



1. ALUMINIUM BEZEL
ROBUST AND DURABLE

2. POLYCARBONATE DIFFUSER
HIGH QUALITY DIFFUSER
DISPERSES LIGHT EVENLY HIGH
EFFICACY OF 84-109LM/W

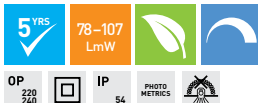
3. REFLECTOR
ENSURES ALL LIGHT FROM THE
LEDS IS REFLECTED INTO THE
DIFFUSER

**4. COLOUR SELECTABLE
LED ARRAY:**
HIGH POWERED LEDES
PRODUCING UP TO 4,490
LUMENS DIMMABLE

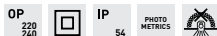
5. DIE CAST ALUMINIUM BODY:
DESIGNED FOR OPTIMAL
THERMAL MANAGEMENT OF
THE LED CHIPS

**6. COLOUR TEMPERATURE
SELECTION SWITCH**
EASY TO SET CCT CHOICE

	20W	30W	50W
	RMP20WDLCT3-01	RMP30WDLCT3-01	RMP50WDLCT3-01
Comparable to:	35W metal halide	50W metal halide	70W metal halide
Total Power (W):	20/18.6/20	29.3/27.1/29	51.5/47.2/51.3
Total Light Output (lm):	1,730/1,870/1,680	2,610/2,880/2,760	4,000/4,440/4,120
Efficacy (lm/cctW):	87/101/84	89/107/96	78/94/81
Lifetime (hrs):	30,000	30,000	30,000
Beam Angle (deg):	110	110	110
Lux at 1m (lux):	650/710/600	930/1,030/930	1,600/1,700/1,600
CCT (K):	4000/5000/6500	4000/5000/6500	4000/5000/6500
CRI:	80	80	80
Impact Rating (IK):	08	08	08
Power Factor (PF):	0.9	0.9	0.9
Box Qty:	1	1	1
Weight (kg):	1.1	1.3	1.3



Note: Multiple CCT data shown in the format
Neutral White / Cool White / Daylight White







DOWNLIGHTS

MIRA DUAL WATTAGE LED CCT4 DOWNLIGHT

NEW!



MIRA LED DUAL WATTAGE CCT4 DIMMABLE DOWNLIGHT

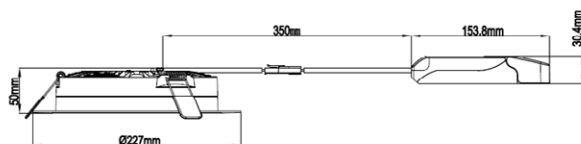
- Suitable for use in offices, reception areas, hotels, restaurants, shops, schools, hospitals, care homes
- Power selectable by switch on the driver: 18W or 24W and 30W or 40W.
- Colour temperature selectable by switch on the back of the fitting: 3000K, 4000K, 5000K or 6500K.
- LED replacement for a range of PL, CFL fittings
- Die cast aluminium body with polycarbonate diffuser
- C/w flex and plug
- Suitable for use with extension trim to 280mm (RMP280TRIM-01) and surface mount can (RMP5MK-01)
- Suitable for switching by PIR, Microwave or Photocell

ACCESSORIES

RMP280TRIM-01	280mm Extension Trim
RMP5MK-01	Surface Mount Can

DIMENSIONS(mm)

	Diameter	Cut out	Depth
RMR1824CCT4-01	227	190-210	50
RMR3040CCT4-01	227	190-210	50



DOWNLIGHTS

MIRA DUAL WATTAGE LED CCT4 DOWNLIGHT



RMP280TRIM-01



RMP5MK-01

	RMR1824CCT4-01		RMR3040CCT4-01	
	18W	24W	30W	40W
Total Power (W):	18.4/18/18.2/18.4	24.8/24.2/24.4/24.9	29.1/28.5/28.5/29	39.5/38.4/38.5/39.3
Total Light Output (lm):	1731/1912/1991/1971	2238/2526/2625/2561	3142/3375/3421/3377	4126/4476/4508/4411
Efficacy (lm/cctW):	94/106/109/107	90/104/107/102	107/118/120/116	104/116/117/112
Lifetime (hrs):	35,000	35,000	35,000	35,000
Beam Angle (deg):	100	100	100	100
CCT (K):	3000/4000/5000/6500	3000/4000/5000/6500	3000/4000/5000/6500	3000/4000/5000/6500
CRI:	80	80	80	80
Impact Rating (IK):	08	08	08	08
Power Factor (PF):	0.85	0.9	0.9	0.9
Box Qty:	1	1	1	1
Weight (kg):	0.94	0.94	0.94	0.94



DOWNLIGHTS

TAYLOR LED CCT4 SELECTABLE

NEW!



TAYLOR LED CCT4 SELECTABLE

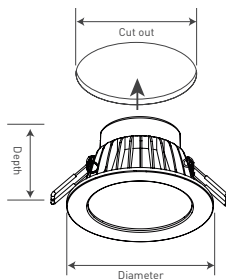
- Suitable for use in residential, offices, retail shops, reception areas, hotels, restaurants, bars & clubs, showrooms
- Aluminum housing encased in thermally conductive plastic with opal diffuser
- Integrated driver pre-wired with 0.6m of flex and plug
- Switch on the back of fitting allows selection of CCT between 3000K, 4000K, 5000K and 6500K – an adaptable solution for every install
- Dimmer compatibility list available on website

ACCESSORIES

RC10160TRIM-01	Extension trim to 125mm cut out, White
RC7TRIM-04	72mm cut out, Black
RC9TRIM-04	92mm cut out, Black
RC125TRIM-04	125mm cut out, Black
RC9TRIM-11	92mm cut out, Matte white
RC7TRIM-13	72mm cut out, Brushed Chrome
RC9TRIM-13	92mm cut out, Brushed Chrome
RC125TRIM-13	125mm cut out, Brushed Chrome
RC7TRIM-15	72mm cut out, Silver
RC9TRIM-15	92mm cut out, Silver
RC125TRIM-15	125mm cut out, Silver

DIMENSIONS(mm)

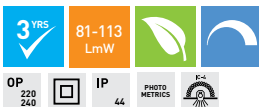
	Diameter	Cut Out	Depth
RC7WDL72CCT4-01	90	72	64
RC9WDL92CCT4-01	108	92	65
RC10WDL125CCT4-01	136	125	70





TAYLOR LED
CCT4 SELECTABLE

	7W	9W	10W
	RC7WDL72CCT4-01	RC9WDLCCCT4-01	RC10WDLCCCT4-01
Comparable to:	50W Halogen	50W Halogen	100W GLS
Total Power (W):	7.3/7.1/7.1/7.2	7.2/7.1/7.1/7.2	10.1/9.5/9.7/9.8
Total Light Output (lm):	590/660/640/590	650/730/710/700	1020/1070/1060/1020
Efficacy (lm/cctW):	81/93/90/82	92/104/100/98	101/113/109/104
Lifetime (hrs):	30,000	30,000	30,000
Lux at 1m (lux):	254/282/273/252	280/310/305/300	438/461/453/437
Beam Angle (deg):	100	100	100
CCT (K):	3000/4000/5000/6500	3000/4000/5000/6500	3000/4000/5000/6500
CRI:	80	80	80
IP:	44	44	44
Power Factor (PF):	0.9	0.9	0.9
Box Qty:	1	1	1
Weight (kg):	0.22	0.28	0.31



Note: Multiple CCT data shown in format
Warm White / Neutral White / Cool White / Daylight White

DOWNLIGHTS

SLOGAN LED CCT4 SLIM

NEW!



SLOGAN LED CCT4 SLIM LED DOWNLIGHT

- LED replacement for 50W halogen downlights
- Thermal Insulation rating of IC-4
- Prewired with 0.6m flex and plug
- Unique construction allows selection of colour temperature of 3000K/4000K/5000K/6500K by a switch on the back of the luminaire
- Suitable for switching by PIR, Microwave or Photocell
- Dimmable with selected trailing edge dimmers. Dimmer compatibility list available on website

ACCESSORIES

R7TRIMR-01	Recessed trim, white
R7TRIME-01	Extension trim, white



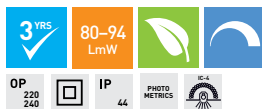
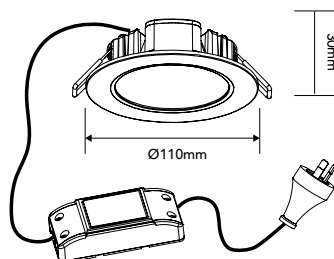
R7TRIME-01



R7TRIMR-01

	R7WDLCCCT4-01
Comparable to:	50W halogen
Total Power (W):	7.1/6.9/ 7.1 /7.2
Total light output (lm):	570/650/640/600
Efficacy (lm/cctW):	80/94/90/83
Lifetime (hrs):	35,000
Beam Angle (deg):	110
Lux at 1m (lux):	200/230/230/210
CCT (K)	3,000/4,000/5,000/6,500
CRI:	80
Power Factor (PF):	0.9
Box Qty:	1
Weight (kg)	0.22

	DIMENSIONS(mm)	Diameter	Cut-out	Depth
R7WDLCCCT4-01		110	86	30





SLOGAN LED CCT4 LED DOWNLIGHT

DOWNLIGHTS

SIXSTAR LED MINI DOWNLIGHT

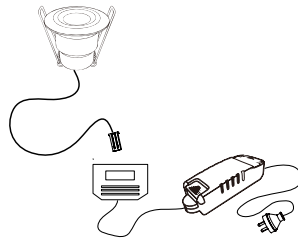


SIXSTAR RECESSED 3W IP20 DIMMABLE LED MINI DOWNLIGHT

- Body manufactured from powder coated die cast aluminium with polycarbonate optic and white or brushed chrome bezel
- The separate driver has a 6 port connector for up to 6 mini downlights, each with 2m of flex and pre-wired with a quick fix push in connector
- Choice of bezel colour to match or contrast the decor
- Heads are only 42mm diameter and 38mm deep
- Often used as under cabinet lighting, these recessed and dimmable mini downlights find many other applications in a domestic, retail or entertainment environments.
- No problems recessing the heads into shallow ceilings voids or cabinets
- Pre-wired with 2m cable and quick fix connector

White	RSX0330-01	RSX0340-01
Brushed Chrome	RSX0330-13	RSX0340-13
Black	RSX0330-04	RSX0340-04
Total Power (W):	3	3
Total light output (lm):	150	180
Efficacy (lm/cctW):	50	60
Lifetime (hrs):	30,000	30,000
Beam Angle (deg):	45	45
CCT (K)	3000	4000
CRI:	80	80
Power Factor (PF):	0.9	0.9
Min order/Box Qty:	1/147	1/147
Weight (kg)	0.06	0.06

DIMENSIONS(mm)	Diameter	Depth	Cut-out
RSX0330-01/13/04	42	38	28.5
RSX0340-01/13/04	42	38	28.5



Note:
Minimum of 2 fittings needed per driver,
Separate Driver Required for up to 6 heads -
RSXJB22-PSU



MORPH LED
CCT3 SELECTABLE





SURFACE FITTINGS

LUSTRE LED CCT3 SELECTABLE	94
OHIO LED BULKHEAD	96
VEGA LED BULKHEAD	100

SURFACE FITTINGS

LUSTRE LED CCT3 SELECTABLE

NEW!



Slim

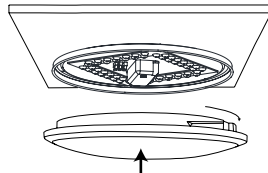
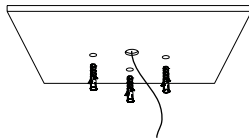
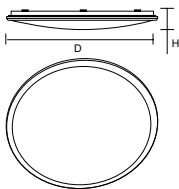


Standard

LUSTRE LED CCT3 SELECTABLE, DUAL WATTAGE & DIMMABLE

- LED replacement for 32W T8 fluorescent fittings
- Pressed steel base with twist and lock PMMA diffuser
- Comes in standard and slim profile of 60mm
- Centre rear entry point
- Large terminal block for easy install
- Very high efficacy of 61-71lm/W
- They can be operated 24/7 such as in care homes
- Suitable for switching by PIR, Microwave or Photocell
- Dual wattage 18W and 24W
- Dimmable

DIMENSIONS (mm)	Diameter	Height
RLU1824CCT3-01	370	110
RLUS1824CCT3-01	380	60



SURFACE FITTINGS

LUSTRE LED CCT3 SELECTABLE



3000K

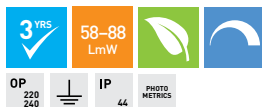


4000K



6500K

	Standard	Standard	Slim	Slim
	RLU1824CCT3-01	RLU1824CCT3-01	RLU1824CCT3-01	RLU1824CCT3-01
	18W	24W	18W	24W
Comparable to:	32W T8	40W T8	32W T8	40W T8
Total Power (W):	17.8/17.2/17.7	23/22.3/23	17.8/17.3/17.8	22.9/22.1/22.8
Total light output (lm):	1,350/1,510/1,560	1,660/1,880/1,920	1,070/1,190/1,220	1,300/1,470/1,480
Efficacy (lm/cctW):	76/87/88	72/84/83	60/69/68	57/66/65
Lifetime (hrs):	30,000	30,000	30,000	30,000
Beam Angle (deg):	140	140	140	140
Lux at 1m (lux):	280/310/320	340/390/390	320/350/360	390/430/440
CCT (K)	3,000/4,000/6,500	3,000/4,000/6,500	3,000/4,000/6,500	3,000/4,000/6,500
CRI:	80	80	80	80
Power Factor (PF):	0.96	0.96	0.96	0.96
Box Qty:	1	1	1	1
Weight (kg)	0.92	0.92	0.98	0.98



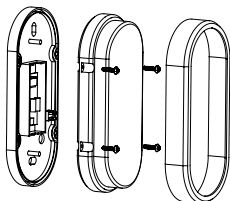
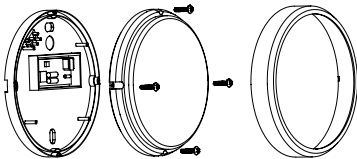
SURFACE FITTINGS

OHIO LED BULKHEAD



OHIO CIRCULAR/OVAL 8W & 12W LED BULKHEAD

- Comes in circular & oval design
- Complete with white and black trims
- Polycarbonate construction
- UV stabilized
- Double insulated



DIMENSIONS (mm)	Diameter	Height	Width	Length
RHC1230-01 Circular	211	55	N/A	N/A
RHC1240-01 Circular	211	55	N/A	N/A
RHV1230-01 Oval	N/A	55	105	230
RHV1240-01 Oval	N/A	55	105	230



	Circular	Oval
	12W	12W
Warm White	RHC1230-01	RHV1230-01
Neutral White	RHC1240-01	RHV1240-01
Comparable to:	100W Incandescent	100W Incandescent
Total Power (W):	11.7/12.1	12/12
Total Light Output (lm):	Warm 910 / Neutral 950	Warm 860 / Neutral 970
Efficacy (lm/cctW):	Warm 78 / Neutral 79	Warm 71 / Neutral 77
Lifetime (hrs):	30,000	30,000
Lux at 1m (lux):	Warm 250 / Neutral 280	Warm 250 / Neutral 280
Beam Angle (deg):	120	120
CCT (K):	Warm 3000 / Neutral 4000	Warm 3000 / Neutral 4000
CRI:	80	80
Power Factor (PF):	0.5	0.5
Impact Rating (IK):	08	08
Weight (kg):	0.4	0.3

3 YRS

78-79
 LmW

OP
 220
 240

IP
 54

PHOTO
 METRICS





SURFACE FITTINGS

VEGA LED BULKHEAD



VEGA 14W LED BULKHEAD

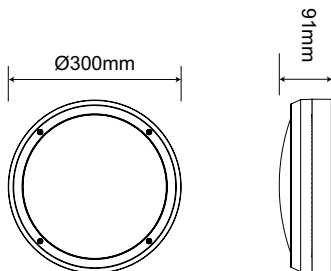
- Suitable for use in apartment stairs & corridors, covered walkways, patios & decking areas, path & driveways, public toilets, changing rooms
- C/w stainless steel tamper proof screws
- Suitable for wall and ceiling mounting
- Double insulated
- Suitable for switching by external PIR, Microwave or Photocell
- Emergency version provides 130lm output in emergency mode, 12% of maintained output

ACCESSORIES

RVECRF-01	VEGA cross trim, white
RVECRF-04	VEGA cross trim, Black
RVECRF-24	VEGA cross trim, Grey
RVEEYF-01	VEGA eyelid trim, white
RVEEYF-04	VEGA eyelid trim, Black
RVEEYF-24	VEGA eyelid trim, Grey



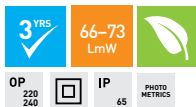
DIMENSIONS (mm)	Diameter	Depth
RVE1440F-01/04/24	300	91
RVE1440EF-01/04/24	300	91



Neutral White

	Standard	Emergency
White	RVE1440F-01	RVE1440EF-01
Black	RVE1440F-04	RVE1440EF-04
Grey	RVE1440F-24	RVE1440EF-24
Comparable to:	32W T8	32W T8
Total Power (W):	14.3	15.7
Total Light Output (lm):	1,050	130
Efficacy (lm/cctW):	73	66
Lifetime (hrs):	30,000	30,000
Beam Angle (deg):	110	110
Lux at 1m (lux):	370	45
CCT (K):	4000	4000
CRI:	85	85
Impact Rating (IK):	07	07
Power Factor (PF):	0.7	0.7
Weight (kg):	1.35	1.35

Emergency Warranty



MONOLUME & BILUME ACTIVATE
LED COB WALL LIGHTS



OUTDOOR

REMY LED FLOOD LIGHT	104
HILUME LED FLOOD LIGHT	106
MONOLUME & BILUME ACTIVATE LED WALL LIGHTS	108
GARDEN SPIKES/SPOTLIGHTS	110
OUTDOOR ACCESSORIES	113

OUTDOOR REMY LED FLOOD LIGHT



Standard



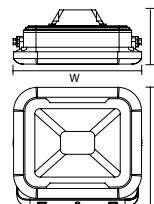
PIR

REMY LED FLOOD LIGHT

- Suitable for use in decking areas, drives, pathways, sign illumination, wall washing, atriums, patios, car parks, garages, industrial units
- Polycarbonate trim with tempered glass providing high impact rating
- Pre-drilled, angled mounting bracket for fast and simple installation
- No warm up or cool down period required by LED
- Suitable for switching by external PIR, Microwave or Photocell
- Manual override function on PIR
- Pre-wired with 1m flex
- Comes with galvanised mounting bracket



DIMENSIONS (mm)	Width	Height	Depth
RRE1040A-04	148	150	73
RRE2040A-04	148	150	73
RRE2040PA-04	148	200	90
RRE3040A-04	173	170	85
RRE3040PA-04	173	233	85
RRE5040A-04	225	220	85





Standard With PIR	RRE1040A-04	RRE2040A-04 RRE2040PA-04	RRE3040A-04 RRE3040PA-04	RRE5040A-04
Comparable to:	20W metal halide 75W halogen	35W metal halide 150W halogen	50W metal halide 200W halogen	80W metal halide 350W halogen
Total Power (W):	9.6	19.6/19.6	28.7	46.7
Total Light Output (lm):	880	1,730/1,730	2,750	4,670
Efficacy (lm/cctW):	92	90	96	100
Lifetime (hrs):	30,000	30,000	30,000	30,000
Beam Angle (deg):	100	100	100	100
Lux at 1m (lux):	370	780/780	1,200	1,900
CCT (K):	4000	4000	4000	4000
CRI:	80	80	80	80
Impact Rating (IK):	07	07	07	07
Power Factor (PF):	0.95	0.95/0.5	0.95	0.95
Box Qty:	1	1	1	1
Weight (Kg):	0.49	0.63/0.7	0.83	1.1



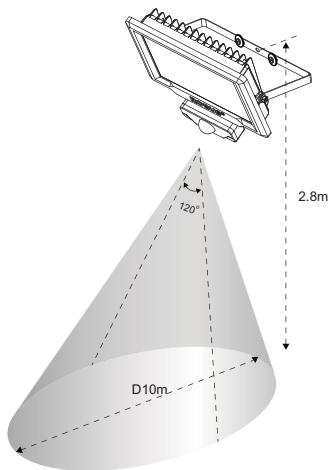
OUTDOOR HILUME LED FLOOD LIGHT

NEW!



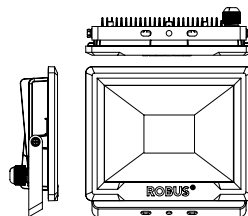
HILUME LED FLOOD LIGHT

- Die cast aluminium housing providing optimal heat dissipation and high resistance to weather conditions
- Complete with stainless steel screws
- Prewired with 1m of rubber flex
- Pre-drilled angled mounting bracket with 180° adjustable angle
- Suitable for switching by PIR, Microwave or Photocell



DIMENSIONS (mm)

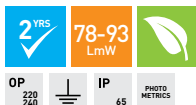
	Width	Height	Depth
RHL1040-04	114	114	62
RHL2040-04	129	121	63
RHL2040P-04	129	175	82
RHL3040-04	144	132	63
RHL3040P-04	144	190	82
RHL5040-04	184	165	63
RHL10040-04	184	224	82



OUTDOOR HILUME LED FLOOD LIGHT



Standard Black	RHL1040-04	RHL2040-04	RHL3040-04	RHL5040-04	RHL10040-04
PIR Black		RHL2040P-04	RHL3040P-04		
Comparable to MH (W):	75W Halogen	150W Halogen	200W Halogen	350W Halogen	500W Halogen
Total Power (W):	10.6	19.7	28.0	48.3	94.6
Total Light Output (lm):	980	1,730	2,190	3,900	7,440
Efficacy (lm/cctW):	93	88	78	81	79
Lifetime (hrs):	20,000	20,000	20,000	20,000	20,000
Beam Angle (deg):	100	100	100	100	100
Lux at 1m (lux):	430	760	940	1,590	3,010
CCT (K):	4000	4000	4000	4000	4000
CRI:	80	80	80	80	80
Power Factor (PF):	0.6	0.6	0.9	0.9	0.9
Impact Rating (IK):	05	05	05	05	05
Box Qty:	1	1	1	1	1
Weight (Kg):	0.40	0.40/0.45	0.48/0.55	0.82	1.68



MONOLUME & BILUME ACTIVATE LED WALL LIGHTS



Monolume

Bilume

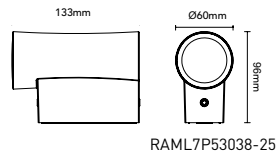
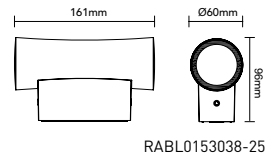
MONOLUME & BILUME ACTIVATE COB LED WALL LIGHTS

- Die cast aluminium integrated fitting with glass front and dark grey painted finish to street lighting quality
- Metal mounting box features separate screw hole chamfers, IP65 seal, IP67 grommets, escape path for condensation water droplets and a spirit level for precision mounting
- High resistance to all weather conditions
- Salt spray tested to ISO9227
- Suitable for switching by external PIR, Microwave or Photocell



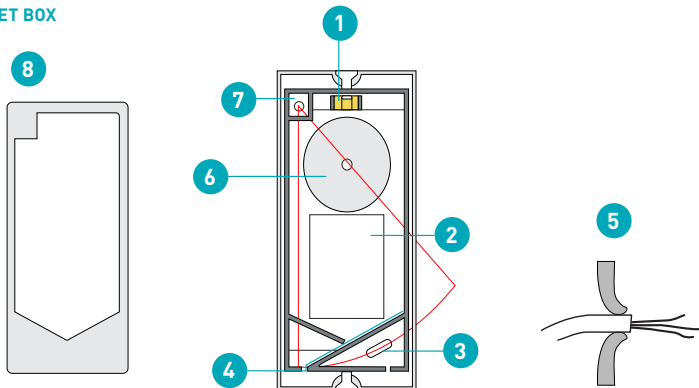
DIMENSIONS (mm) Height Diameter Projection

RAML7P53038-25	133	60	96
RABL0153038-25	161	60	96



OUTDOOR MONOLUME & BILUME ACTIVATE LED WALL LIGHTS

WALL BRACKET BOX



1. MINI SPIRIT LEVEL

BUILT IN

2. ROBUST TERMINAL BLOCK

THAT DOESN'T SHATTER WHEN OPENED TIGHTENED

3. SEPARATE BOTTOM SCREW HOLE CHAMBER WITH SLOT

TO PRECISELY ALIGN THE BOX ON THE WALL BEFORE FIXING SECOND SCREW

4. EXIT HOLE

FOR ANY WATER THAT COLLECTS IN BOX

5. MOULDED HOLE AT SMALLEST CABLE DIAMETER

ALLOWS GROMMET TO FLEX OPEN FOR WIDER CABLES TO BE PUSHED THROUGH

6. DUAL SHOT OR BONDED GROMMET

TO AVOID INSTALLER DISCARDING IT AND COMPROMISING IP RATING

7. SEPARATE SCREW HOLE CHAMBER

8. MOULDED RUBBER SEAL

	6W Single	12W Double
	RAML7P53038-25	RABL0153038-25
Comparable to:	50W halogen	50W halogen
Total Power (W):	5.8	11.6
Total Light Output (lm):	510	1,070
Efficacy (lm/cctW):	89	93
Lifetime (hrs):	50,000	50,000
Beam Angle (deg):	38	38
Lux at 1m (lux):	1,090	1,120
CCT (K):	3000	3000
CRI:	>80	>80
Power Factor (PF):	0.9	0.9
Box Qty:	1	1
Weight (kg):	0.61	0.64



OUTDOOR GARDEN SPIKES / SPOTLIGHTS



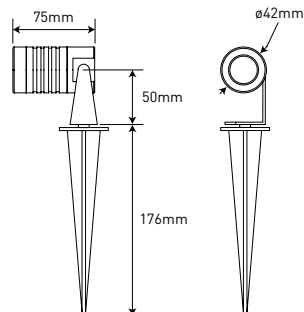
3W '2 IN 1' SPIKE AND WALL MOUNT FITTING

- Suitable for use in domestic and commercial applications as spike or wall mounted decorative lighting
- Aluminium housing with polycarbonate lens
- Head adjustable angle of 190°
- Complete with stainless steel screws
- Driver sold separately – R12VACTR35W
- Pre-wired with 1.5m rubber flex

	R2IN13WAU
Total Power (W):	3
CCT (K):	3000
IP:	65
Weight (kg):	0.3



DIMENSIONS (mm)	Diameter	Length
R2IN13WAU	42	75





3W "2 IN1" SPIKE WALL MOUNT

OUTDOOR GARDEN SPIKES / SPOTLIGHTS

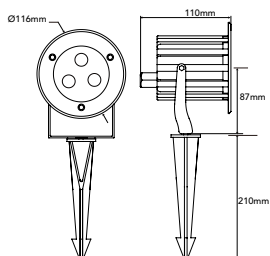


3W '3 IN 1' LED SPIKE AND WALL MOUNT FITTING

- Suitable for use in domestic and commercial outdoor applications as ground, spike or wall mounted decorative lighting
- 316 marine grade stainless steel front plate with very high resistance to corrosion
- Die cast aluminium housing with hardened glass
- Complete with stainless steel screws
- Complete with plastic sleeve for sitting into brickwork/concrete
- Suitable for walk over applications
- Driver sold separately - R12VACTR35W
- Pre-wired with 1.5m rubber flex

	R3IN13WAU
Total Power (W):	3
CCT (K):	3000
Weight (kg):	1.27
Box Qty:	1

DIMENSIONS (mm)	Diameter	Cut-out fitting	Cut-out sleeve	Length
R3IN13WAU	108	95	105	110



OUTDOOR OUTDOOR ACCESSORIES



12W AC IP44 35W power supply

- 2m cable
- Range 0-12W, 12V SELV output
- Thermal protection
- Suitable with R2IN13WAU and R3IN13WAU

	R12VACTR35W
Total Power (W):	35
Weight (kg):	0.75



7.65M link cable with 3 connection points

- Links up to a maximum of 3 fittings to one power supply
- C/w 3 tap offs spaced every 2 meters
- Suitable with R2IN13WAU and R3IN13WAU

DIMENSIONS (mm)	Length
RLINKCABLE	7,500



LED FLEXI-STRIP

VEGAS 12V & 24V LED FLEXI-STRIP	118
PULSE 12VDC LED FLEXI-STRIP KIT	144
EXTRUSIONS FOR LED FLEXI-STRIP	146

WHY VEGAS LED FLEXI-STRIP?

FEATURES AND BENEFITS

- Flexi-strip available in standard (60LED/m) and high (120LED/m) density format using high efficient SMD LED (5050 or 2835)
Provides high brightness and uniform light distribution
- Low power consumption
Helps to save energy - tremendous lighting effects can be achieved at very low running costs
- Cool running with no ultra violet or infra-red in the light beam
Will not burn, damage or fade leaves, flowers or other sensitive displays
- 3 years ROBUS warranty / 30,000 hours rated life
Provides over 10 years' service at 5 hours per day
- Additional connector packs
Can be used where strip is cut and joined into multiple short lengths
- Aluminum extrusions accessories
Help to achieve continuous light line, gives nice aesthetics and helps to protect LED strip

TRUST ROBUS
TO GIVE YOU
THE BEST QUALITY
PRODUCT



CUT TO LENGTH



FLEXIBLE



LOW PROFILE



COLOUR OPTIONS



ADDED
PROTECTION



DIMMABLE



3M TAPE / PEEL &
STICK



ROBUS CONNECT
AVAILABLE

LED FLEXI-STRIP

VEGAS 12V LED WHITE



VEGAS 12V, 4.8W/M LED WHITE FLEXI-STRIP, IP20 & IP67

- ROBUS VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 4.8W per meter
- Cutting points every 3 LEDs / 5cm
- Requires 12V LED driver (sold separately)
- Voltage drop of 2.86V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- 50m IP20 non-waterproof and 30m IP67 waterproof versions available
- Available in warm white and neutral white
- Easy clip connector packs available as accessories, see pages 142-143



DIMENSIONS(mm)	Width	Length	Height
RVA48302050	8	50	1.5
RVA48402050	8	50	1.5
RVA48306730	10	30	3
RVA48406730	10	30	3



	RVA48302050	RVA48402050	RVA48306730	RVA48406730
	Warm White	Neutral White	Warm White	Neutral White
	IP20	IP20	IP67	IP67
Total Power (W/m):	4.8	4.8	4.8	4.8
Total Voltage (V):	12	12	12	12
Total Light Output (lm/M):	500	510	480	515
Lifetime (hrs):	30,000	30,000	30,000	30,000
Beam Angle (deg):	120	120	120	120
CCT (K):	3000	4000	3000	4000
CRI (Ra):	80	80	80	80
LEDs per metre:	60	60	60	60
Box Qty:	1	1	1	1
Weight (kg):	0.75	0.75	1.9	1.9



LED FLEXI-STRIP

VEGAS 24V LED WHITE

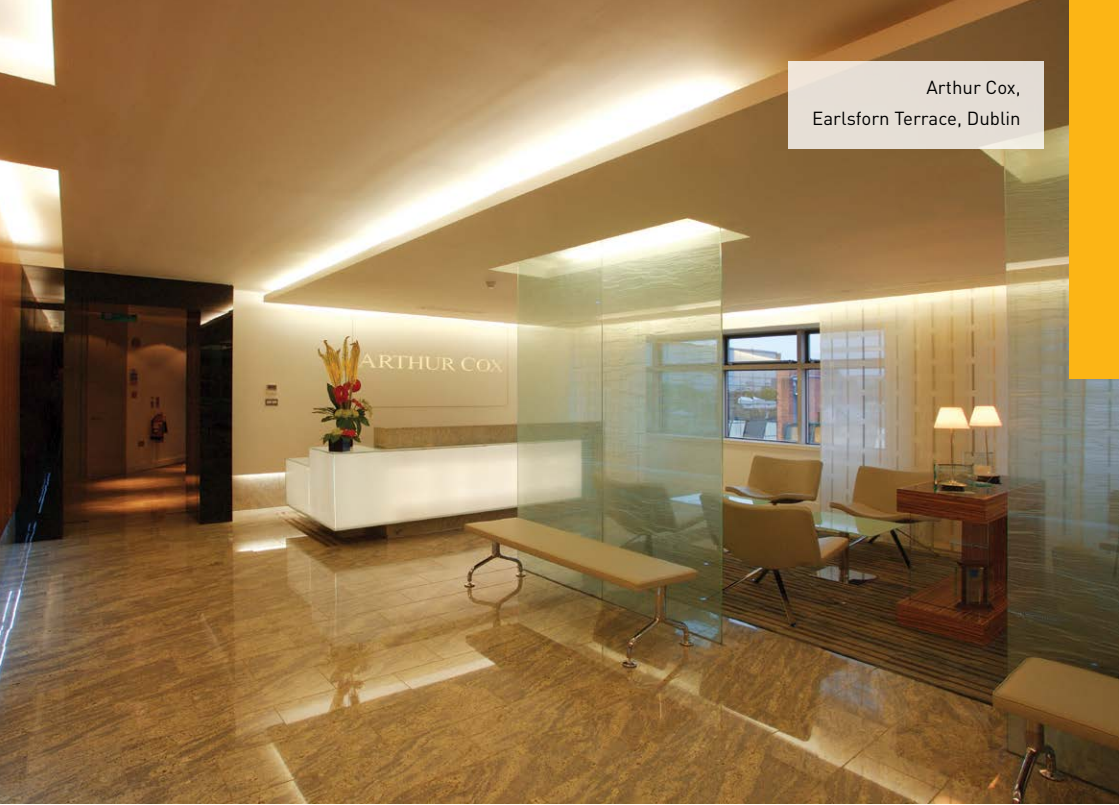


VEGAS 24V, 9.6W/M LED WHITE FLEXI-STRIP, IP20 & IP67

- ROBUS VEGAS single colour SMD2835 LED flexi-strip with 3M™ self-adhesive tape
- Low power consumption of 9.6W per meter
- Cutting points every 6 LEDs / 5cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4V per 10m and maximum continuous run of 10m
- For runs over 10m individual lengths should be connected in parallel
- 50m IP20 non-waterproof and 30m IP67 waterproof versions available
- Available in warm white and neutral white
- Easy clip connector packs available as accessories, see pages 142-143



DIMENSIONS(mm)	Width	Length	Height
RVA96302050	8	50	1.5
RVA96402050	8	50	1.5
RVA96306730	10	30	3
RVA96406730	10	30	3



	RVA96302050	RVA96402050	RVA96306730	RVA96406730
	Warm White	Neutral White	Warm White	Neutral White
	IP20	IP20	IP67	IP67
Total Power (W/m):	9.6	9.6	9.6	9.6
Total Voltage (V):	24	24	24	24
Total Light Output (lm/M):	1,070	1,075	990	995
Lifetime (hrs):	30,000	30,000	30,000	30,000
Beam Angle (deg):	120	120	120	120
CCT (K):	3000	4000	3000	4000
CRI (Ra):	80	80	80	80
LEDs per metre:	120	120	120	120
Box Qty:	1	1	1	1
Weight (kg):	0.85	0.85	1.92	1.92



24DC IP IP 20 67 120° LEDs/M 5CM MAX 10M

LED FLEXI-STRIP

VEGAS 12V & 24V LED RGB



VEGAS 12V & 24V, 7.2W/M & 14.4W/M LED RGB FLEXI-STRIP LIGHT, IP20 & IP67

- VEGAS RGB colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 7.2W & 14.4W per meter
- Cutting points every 3 LEDs for 12V and 6 LEDs for 24V
- Requires 12V or 24V LED driver (sold separately)
- Voltage drop of 3.5V per 10m and maximum continuous run of 5m
- For runs over 5ms individual lengths should be connected in parallel
- Easy clip connector packs available as accessories, see pages 142-143



DIMENSIONS(mm)	Width	Length	Height
RVA72RGB2050	10	50	1.5
RVA72RGB6730	12	30	3
RVA14RGB2050	10	50	1.5
RVA14RGB6730	12	30	3



	RVA72RGB2050	RVA72RGB6730	RVA14RGB2050	RVA14RGB6730
	RGB	RGB	RGB	RGB
	IP20	IP67	IP20	IP67
Total Power (W/m):	7.2	7.2	14.4	14.4
Total Voltage (V):	12	12	24	24
Lifetime (hrs):	30,000	30,000	30,000	30,000
Beam Angle (deg):	120	120	120	120
CRI (Ra):	80	80	80	80
LEDs per metre:	30	30	60	60
Box Qty:	1	1	1	1
Weight (kg):	0.85	1.92	0.85	1.92

3
YRS

12DC	24DC		IP 20	IP 67
30 LEDs/M	60 LEDs/M		MAX 5M	

LED FLEXI-STRIP

VEGAS 24V LED RGBW



VEGAS 24V, 12W/M LED RGB & WHITE FLEXI-STRIP, IP67

- ROBUS VEGAS RGBW colour changing SMD5050 LED flexi-strip with 3M™ self-adhesive tape
- Power consumption of 12W per meter
- Cutting points every 6 LEDs / 10 cm
- Requires 24V LED driver (sold separately)
- Voltage drop of 4.5V per 10m and maximum continuous run of 5m
- For runs over 5m individual lengths should be connected in parallel
- Easy clip connector pack available as accessories, see pages 142-143



DIMENSIONS(mm)	Width	Length	Height
RVA12RGBW6710-30	14	10	4
RVA12RGBW6710-40	14	10	4



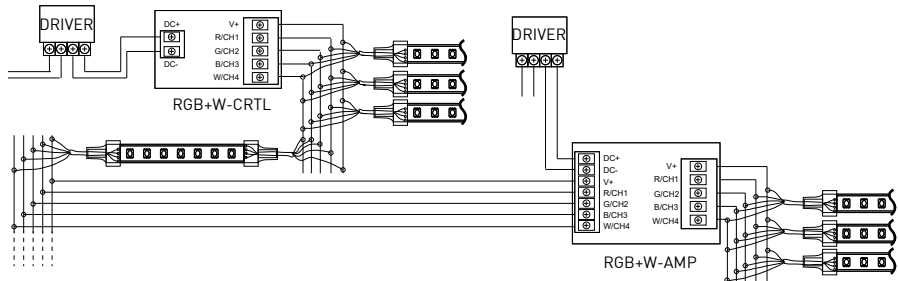
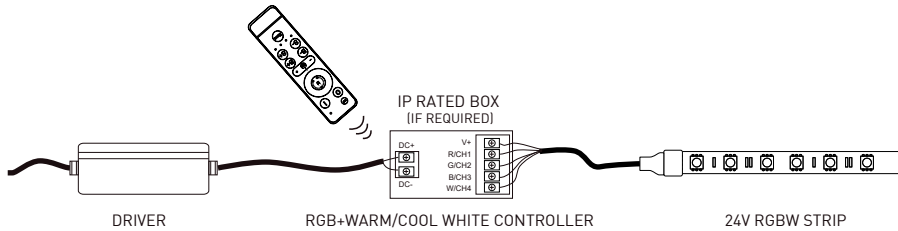
	RVA12RGBW6710-30	RVA12RGBW6710-40
	RGB + 3000K	RGB + 4000K
	IP67	IP67
Total Power (W/m):	12	12
Total Voltage (V):	24	24
Lifetime (hrs):	30,000	30,000
Beam Angle (deg):	120	120
Colour:	RGB + 3000K	RGB + 4000K
CRI (Ra):	80	80
LEDs per metre:	60	60
Box Qty:	1	1
Weight (kg):	0.75	0.75



LED FLEXI-STRIP

VEGAS 12V LED WHITE

HOW TO CONNECT 12V VEGAS SINGLE COLOUR LED FLEXI-STRIP WITH CONTROLLER AND POWER SUPPLY



EXAMPLE INSTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS IP20 4.8W/M STRIP

	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED Strip	RVA48X02050	1	1	1	2	3	4	5
Single Colour Controller	RVACT1-CRTL	1	1	1	1	1	1	1
Single Colour Amplifier	RVACT1-AMP	0	0	0	1	2	3	4
12V CV Non-Dim LED Driver 30W	RVA3012-PSU	0	1	0	0	0	0	0
12V CV Non-Dim LED Driver 60W	RVA6012-PSU	0	0	1	2	3	4	5

Note: Controller and amplifier only required for white flexi-strip that is to be dimmed.

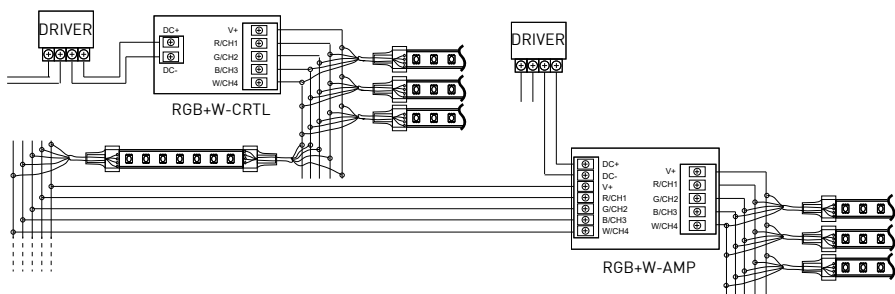
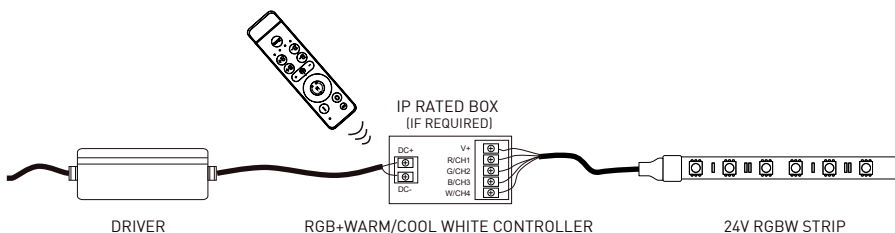
EXAMPLE INSTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS 4.8W/M 12V STRIP IP67

	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED Strip	RVA48X06730	1	1	1	2	3	4	5
Single Colour Controller	RVACT1-CRTL	1	1	1	1	1	1	1
Single Colour Amplifier	RVACT1-AMP	0	0	0	1	2	3	4
IP Rated Box	RVBIP2	1	1	1	2	3	4	5

LED FLEXI-STRIP

VEGAS 24V LED WHITE

HOW TO CONNECT 24V VEGAS SINGLE COLOUR LED FLEXI-STRIP WITH CONTROLLER AND POWER SUPPLY



EXAMPLE INSTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS IP20 9.6W/M STRIP

	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED Strip	RVA96X02050	1	1	1	2	3	4	5
Single Colour Controller	RVACCT1-CRTL	1	1	1	1	1	1	1
Single Colour Amplifier	RVACCT1-AMP	0	0	0	1	2	3	4
24V CV Non-Dim LED Driver 30W	RVA3024-PSU	1	0	0	0	0	0	0
24V CV Non-Dim LED Driver 60W	RVA6024-PSU	0	1	0	0	0	0	0
24V CV Non-Dim LED Driver 100W	RVA10024-PSU	0	0	1	2	3	4	5

Note: Controller and amplifier only required for white flexi-strip that is to be dimmed.

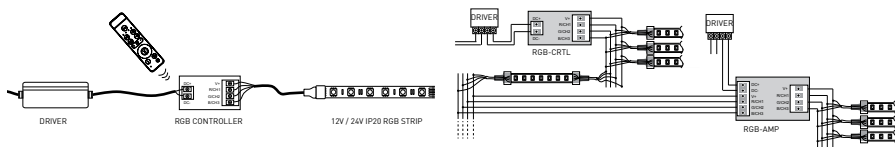
EXAMPLE INSTALLATION SINGLE COLOUR CONTROLLER - 10M VEGAS 4.8W/M 12V STRIP IP67

	CODE	2M	5M	10M	11-20M	21-30M	31-40M	41-50M
LED Strip	RVA96X06730	1	1	1	2	3	4	5
Single Colour Controller	RVACCT1-CRTL	1	1	1	1	1	1	1
Single Colour Amplifier	RVACCT1-AMP	0	0	0	1	2	3	4
IP Rated Box	RVBIP2	1	1	1	2	3	4	5

LED FLEXI-STRIP

VEGAS 24V RGB LED

HOW TO CONNECT 12V/24V VEGAS RGB LED FLEXI-STRIP WITH CONTROLLER AND POWER SUPPLY



Note: The signal to the amp can come from any part of the system where the RGB and common are available.

EXAMPLE INSTALLATION RGB CONTROLLER - 5M VEGAS RGB IP20 7.2W/M 12V STRIP

	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA72RGB2050	1	1	2	3	4	5	6
RGB Controller	RVARGB-CRTL	1	1	1	1	1	1	1
RGB Amplifier	RVARGB-AMP	0	0	1	2	3	4	5
12V CV Non-Dim LED Driver 30W	RVA3012-PSU	1	0	0	0	0	0	0
12V CV Non-Dim LED Driver 60W	RVA6012-PSU	0	1	2	3	4	5	6

EXAMPLE INSTALLATION RGB CONTROLLER - 5M VEGAS RGB IP20 14.4W/M 24V STRIP

	CODE	2M	5M	10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA14RGB2050	1	1	2	3	4	5	6
RGB Controller	RVARGB-CRTL	1	1	1	1	1	1	1
RGB Amplifier	RVARGB-AMP	0	0	1	2	3	4	5
24V CV Non-Dim LED Driver 30W	RVA3024-PSU	1	0	0	0	0	0	0
24V CV Non-Dim LED Driver 100W	RVA10024-PSU	0	1	2	3	4	5	6

EXAMPLE INSTALLATION RGB CONTROLLER - 5M VEGAS RGB 7.2W/M 12V STRIP IP67

	CODE	2M	5M	5-10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA72RGB6730	1	1	2	3	4	5	6
RGB Controller	RVARGB-CRTL	1	1	1	1	1	1	1
RGB Amplifier	RVARGB-AMP	0	0	1	2	3	4	5
IP Rated Box	RVBIP2	1	1	2	3	4	5	6

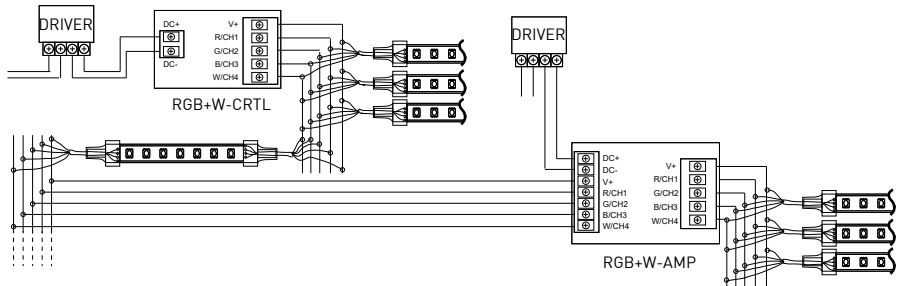
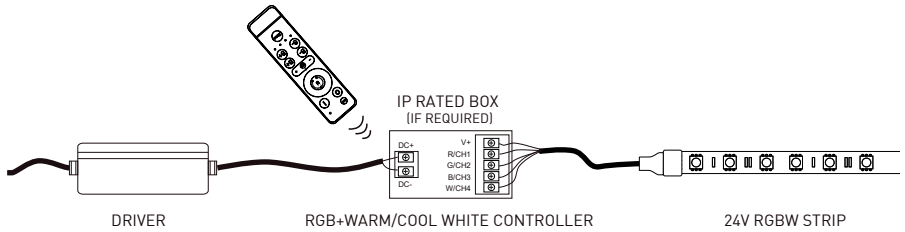
EXAMPLE INSTALLATION RGB CONTROLLER - 5M VEGAS RGB 14.4W/M 24V STRIP IP67

	CODE	2M	5M	5-10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA14RGB6730	1	1	2	3	4	5	6
RGB Controller	RVARGB-CRTL	1	1	1	1	1	1	1
RGB Amplifier	RVARGB-AMP	0	0	1	2	3	4	5
24V CV Non-Dim LED Driver 100W IP67	RVA10024IP67-PSU	0	1	2	3	4	5	6
IP Rated Box	RVBIP2	1	1	2	3	5	5	6

LED FLEXI-STRIP

VEGAS 24V RGBW LED

HOW TO CONNECT 24V VEGAS RGBW LED FLEXI-STRIP WITH CONTROLLER AND POWER SUPPLY



Note: The signal to the amp can come from any part of the system where the RGBW and common are available.

EXAMPLE INSTALLATION RGBW CONTROLLER - 5M VEGAS RGBW 12W/M 24V STRIP IP67

	CODE	2M	5M	5-10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA12RBW6710-x0	1	1	2	3	4	5	6
RGBW Controller	RVARGBW-CRTL	1	1	1	1	1	1	1
RGBW Amplifier	RVARGBW-AMP	0	0	1	2	3	4	5
24V CV Non-Dim LED Driver 100W IP67	RVA10024IP67-PSU	0	1	2	3	4	5	6
IP Rated Box	RVBIP2	1	1	2	3	4	5	6

EXAMPLE INSTALLATION RGBW CONTROLLER - 5M VEGAS RGBW 12W/M 24V STRIP IP67

	CODE	2M	5M	5-10M	11-15M	16-20M	21-25M	26-30M
LED Strip	RVA12RBW2030-x0	1	1	2	3	4	5	6
RGBW Controller	RVARGBW-CRTL	1	1	1	1	1	1	1
RGBW Amplifier	RVARGBW-AMP	0	0	1	2	3	4	5
24V CV Non-Dim LED Driver 60W IP67	RVA6024-PSU	1	0	0	0	0	0	0
24V CV Non-Dim LED Driver 100W IP67	RVA10024-PSU	0	1	2	3	4	5	6

LED FLEXI-STRIP

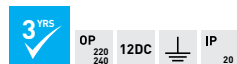
VEGAS LED DRIVERS



VEGAS LED FLEXI-STRIP IP20 CONSTANT VOLTAGE NON-DIMMABLE DRIVERS

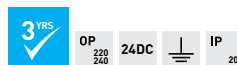
12V Non-Dimmable Drivers

	30W	60W	100W	180W
	RVA3012-PSU	RVA6012-PSU	RVA10012-PSU	RVA18012-PSU
Total Power (W):	30	60	100	180
Total Voltage (V):	12VDC	12VDC	12VDC	12VDC
Weight (kg):	0.12	0.22	0.37	0.41



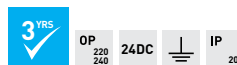
24V Non-Dimmable Drivers

	30W	60W	100W	150W
	RVA3024-PSU	RVA6024-PSU	RVA10024-PSU	RVA15024-PSU
Total Power (W):	30	60	100	150
Total Voltage (V):	24VDC	24VDC	24VDC	24VDC
Weight (kg):	0.12	0.22	0.37	0.41



24V Non-Dimmable Drivers

	250W	320W	DIMENSIONS(mm)	Width	Length	Height
	RVA25024-PSU	RVA32024-PSU				
Total Power (W):	250	320	RVA3012-PSU	40	149	27
Total Voltage (V):	24VDC	24VDC	RVA6012-PSU	45	170	28
Weight (kg):	0.42	0.44	RVA10012-PSU	65	180	31
			RVA18012-PSU	67	183	31
			RVA3024-PSU	40	149	27
			RVA6024-PSU	45	170	28
			RVA10024-PSU	65	180	31
			RVA15024-PSU	66	180	31
			RVA25024-PSU	62	195	36
			RVA32024-PSU	78	215	35



LED FLEXI-STRIP

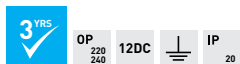
VEGAS LED DRIVERS



VEGAS LED FLEXI-STRIP IP20 TRIAC DIMMABLE DRIVERS

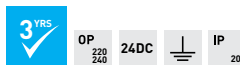
12V Dimmable Drivers (dimmable with traditional wall mounted dimmer switch)

	30W	50W	75W
	RVA3012DU-PSU	RVA5012DU-PSU	RVA7512DU-PSU
Total Power (W):	30	50	75
Total Voltage (V):	12VDC	12VDC	12VDC
Weight (kg):	0.12	0.21	0.3



24V Dimmable Drivers (dimmable with traditional wall mounted dimmer switch)

	30W	50W	75W
	RVA3024DU-PSU	RVA5024DU-PSU	RVA7524DU-PSU
Total Power (W):	30	50	75
Total Voltage (V):	24VDC	24VDC	24VDC
Weight (kg):	0.12	0.21	0.3



DIMENSIONS(mm)	Width	Length	Height
RVA3012DU-PSU	46	158	18
RVA5012DU-PSU	46	158	18
RVA7512DU-PSU	56	170	31
RVA3024DU-PSU	46	158	18
RVA5024DU-PSU	46	158	18
RVA7524DU-PSU	59	170	31

LED FLEXI-STRIP

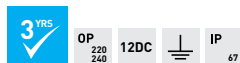
VEGAS LED DRIVERS



VEGAS LED FLEXI-STRIP IP67 CONSTANT VOLTAGE NON-DIMMABLE DRIVERS

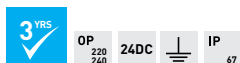
12V Non-Dimmable Drivers

	100W	200W
	RVA10012IP67-PSU	RVA20012IP67-PSU
Total Power (W):	100	200
Total Voltage (V):	12VDC	12VDC
Weight (kg):	0.58	0.80



24V Non-Dimmable Drivers

	60W	100W	200W	320W
	RVA6024IP67-PSU	RVA10024IP67-PSU	RVA20024IP67-PSU	RVA32024IP67-PSU
Total Power (W):	60	100	200	320
Total Voltage (V):	24VDC	24VDC	24VDC	24VDC
Weight (kg):	0.53	0.58	0.80	0.80



DIMENSIONS(mm)	Width	Length	Height
RVA10012IP67-PSU	46	212	38
RVA20012IP67-PSU	46	212	38
RVA6024IP67-PSU	46	212	38
RVA10024IP67-PSU	46	212	38
RVA20024IP67-PSU	46	212	38
RVA32024IP67-PSU	46	212	38



Lough Rynn Castle,
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LED FLEXI-STRIP DRIVER COMPATIBILITY LIST

DRIVER COMPATIBILITY LIST DRIVER COMPATIBILITY LIST FOR SINGLE COLOUR LED FLEXI-STRIP

DIMMABLE 12V, IP20 FOR SINGLE COLOUR 4.8W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3012DU-PSU	VEGAS 30W, 12V, IP20 driver, triac dimmable	1m – 6m
RVA5012DU-PSU	VEGAS 50W, 12V, IP20 driver, triac dimmable	7m – 10m
RVA7512DU-PSU	VEGAS 75W, 12V, IP20 driver, triac dimmable	11m – 15m

DIMMABLE 24V, IP20 FOR SINGLE COLOUR 9.6W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3024DU-PSU	VEGAS 30W, 24V, IP20 driver, triac dimmable	1m – 3m
RVA5024DU-PSU	VEGAS 50W, 24V, IP20 driver, triac dimmable	4m – 5m
RVA7524DU-PSU	VEGAS 75W, 24V, IP20 driver, triac dimmable	6m – 7m

NON-DIMMABLE 12V, IP20 FOR SINGLE COLOUR 4.8W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3012-PSU	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	4m – 6m
RVA6012-PSU	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	7m – 12m
RVA10012-PSU	VEGAS 100W, 12V, IP20 constant voltage driver, non-dimmable	13m – 20m
RVA18012-PSU	VEGAS 180W, 12V, IP20 constant voltage driver, non-dimmable	21m – 37m

NON-DIMMABLE 24V, IP20 FOR SINGLE COLOUR 9.6W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m – 3m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	4m – 6m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	7m – 10m
RVA15024-PSU	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	11m – 15m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	16m – 26m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	27m – 33m

NON-DIMMABLE 12V, IP67 FOR SINGLE COLOUR 4.8 W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA10012IP67-PSU	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	13m – 20m
RVA20012IP67-PSU	VEGAS 200W, 12V, IP67 constant voltage driver, non-dimmable	21m – 41m

NON-DIMMABLE 24V, IP67 FOR SINGLE COLOUR 9.6 W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA6024IP67-PSU	VEGAS 60W, 24V, IP67 constant voltage driver, non-dimmable	1m – 6m
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	7m – 10m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP67 constant, voltage driver, non-dimmable	11m – 20m
RVA32024IP67-PSU	VEGAS 320W, 24V, IP67 constant, voltage driver, non-dimmable	27m-33m

Note: IP20 drivers can be used together with IP rated boxes if exposed to water.

LED FLEXI-STRIP DRIVER COMPATIBILITY LIST

DRIVER COMPATIBILITY LIST DRIVER COMPATIBILITY LIST FOR RGB, RGBW LED FLEXI-STRIP

NON-DIMMABLE 12V, IP20 FOR RGB 7.2W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3012-PSU	VEGAS 30W, 12V, IP20 constant voltage driver, non-dimmable	3m – 4m
RVA6012-PSU	VEGAS 60W, 12V, IP20 constant voltage driver, non-dimmable	5m – 8m
RVA10012-PSU	VEGAS 100W, 12V, IP20 constant voltage driver, non-dimmable	9m – 13m
RVA18012-PSU	VEGAS 180W, 12V, IP20 constant voltage driver, non-dimmable	14m – 25m

NON-DIMMABLE 24V, IP20 FOR RGB 14.4W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m – 4m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	5m – 6m
RVA15024-PSU	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	7m – 10m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	11m – 17m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	18m – 22m

NON-DIMMABLE 12V, IP67 FOR RGB 7.2W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA10012IP67-PSU	VEGAS 100W, 12V, IP67 constant voltage driver, non-dimmable	9m – 13m
RVA20012IP67-PSU	VEGAS 200W, 12V, IP67 constant voltage driver, non-dimmable	14m – 26m

NON-DIMMABLE 24V, IP67 FOR RGB 14.4W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	5m – 6m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m – 13m

NON-DIMMABLE 24V, IP20 FOR RGBW 12W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA3024-PSU	VEGAS 30W, 24V, IP20 constant voltage driver, non-dimmable	2m
RVA6024-PSU	VEGAS 60W, 24V, IP20 constant voltage driver, non-dimmable	3m – 5m
RVA10024-PSU	VEGAS 100W, 24V, IP20 constant voltage driver, non-dimmable	6m – 8m
RVA15024-PSU	VEGAS 150W, 24V, IP20 constant voltage driver, non-dimmable	9m – 12m
RVA25024-PSU	VEGAS 250W, 24V, IP20 constant voltage driver, non-dimmable	13m – 20m
RVA32024-PSU	VEGAS 320W, 24V, IP20 constant voltage driver, non-dimmable	21m – 26m

NON-DIMMABLE 24V, IP67 FOR RGBW 12W/M LED FLEXI-STRIP

CODE	DESCRIPTION	METERS PER DRIVER
RVA10024IP67-PSU	VEGAS 100W, 24V, IP67 constant voltage driver, non-dimmable	6m – 8m
RVA20024IP67-PSU	VEGAS 200W, 24V, IP67 constant voltage driver, non-dimmable	7m – 16m

LED FLEXI-STRIP RECEIVERS & REMOTES



VEGAS 4 CHANNEL RECEIVER for single colour, RGB & RGBW LED flexi-strip

- Single Colour, RGB & RGBW dimming/ colour changing receiver
- 2 remote options available
- Signal distance can be up to 30m
- Use with ROBUS VEGAS LED drivers
- IP rated enclosure available (RVBIP2)
- Working voltage: 12-24V
- Current: 4A x 4 channels
- Connection mode: Common Anode



VEGAS 4 ZONES, RF remote control for single colour, RGB and RGBW LED flexi-strip

- Single Colour, RGB & RGBW dimming/ colour changing remote control

DIMENSIONS(mm)	Length	Width	Height
RVA4CH-REC	160	46	25
RVA4Z-RC	180	40	20

RECEIVER	RVA4CH-REC
Output Power (W):	180/360
Voltage:	12-24VDC
Rated Life (hrs):	30,000
Weight (kg):	0.15



REMOTE CONTROL	RVA4Z-RC
Output Power (W):	NA
Rated Life (hrs):	30,000
Weight (kg):	0.15



LED FLEXI-STRIP AMPLIFIERS



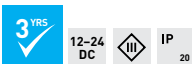
VEGAS AMPLIFIER SINGLE COLOUR

- Signal amplifier for synchronous operation over long distance
- Use with ROBUS VEGAS LED drivers
- Only required when single colour flex-strip is dimmed for systems over 10m
- IP rated enclosure available (RVBIP2)
- Working voltage: 12-24VDC
- Current: 6A x 2 channel
- Connection mode: Common Anode

VEGAS AMPLIFIER – RGB & RGBW

- Signal amplifier for synchronous operation over long distance
- Use with ROBUS VEGAS LED drivers
- Required for lengths longer than 5m RGB
- IP rated enclosure available (RVBIP2)
- Working voltage: 12-24VDC
- Current: 6A x 2 Channel output power 216/432W
- Connection mode: Common Anode

	RVACCT1-AMP
Output Power (W):	144/288
Voltage:	12-24VDC
Weight (kg):	0.13



	RVARGB-AMP
Total Power (W):	216/432
Voltage:	12-24VDC
Weight (kg):	0.1

	RVARGBW-AMP
Output Power (W):	768
Voltage:	12-24VDC
Weight (kg):	0.22



LED FLEXI-STRIP

VEGAS LED FLEXI-STRIP WIFI CONTROLLERS

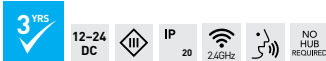


Single Colour

- Single Colour dimming controller
- Controlled by ROBUS CONNECT App via WIFI
- Use with ROBUS VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 10A x 1 Channel
- Connection mode: common anode



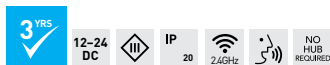
RVACCT1-WIFI	
Total Power (W):	240
Weight (kg):	0.15



RGB

- Colour changing and dimming RGB controller
- Controlled by ROBUS CONNECT App via WIFI
- Use with ROBUS VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 5A x 3 Channel – Max: 10A
- Connection mode: common anode

RVARGB-WIFI	
Total Power (W):	240
Weight (kg):	0.15



RGBW

- Colour changing and dimming RGBW controller
- Controlled by ROBUS CONNECT App via WIFI
- Use with ROBUS VEGAS range of drivers
- IP rated enclosure available: RVBIP2
- Voltage: 12-24VDC
- Current: 5A x 4 Channel – Max: 10A
- Connection mode: common anode

RVARGBW-WIFI	
Total Power (W):	240
Weight (kg):	0.15



DIMENSIONS (mm)

	Length	Width	Depth
RVACCT1-WIFI	85	45	23
RVARGB-WIFI	85	45	23
RVARGBW-WIFI	85	45	23



Enable Ireland,
Cork, Ireland

LED FLEXI-STRIP ACCESSORIES



VEGAS IP RATED BOX, IP65, LARGE AND SMALL

- Ideal for wiring terminations and/or connecting strips, drivers, amplifiers and controllers
- IP65 junction box
- Complete with 4-way connector block

Small	RVBIP1
Large	RVBIP2
Weight (kg):	0.1

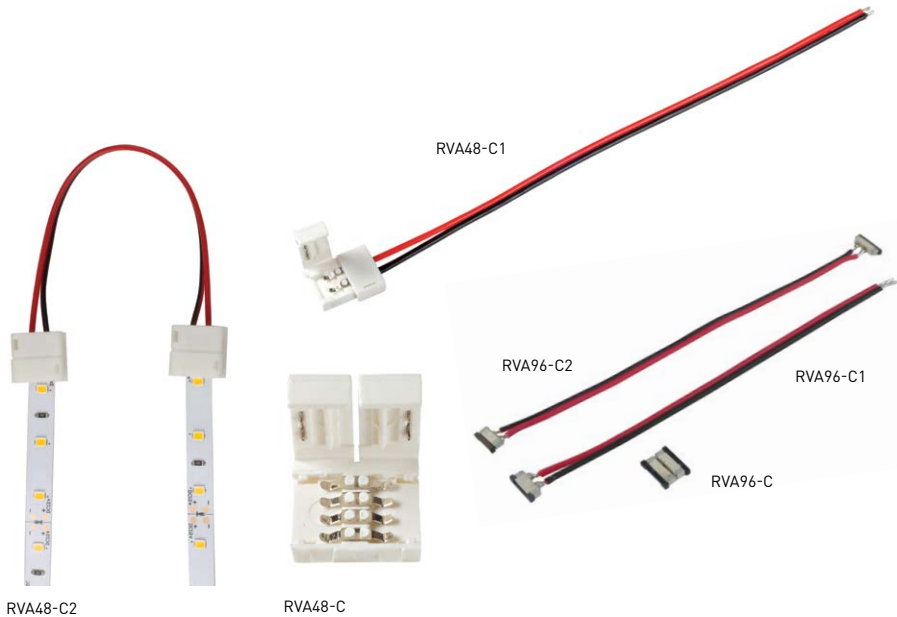
DIMENSIONS(mm)	Length	Width	Height
RVBIP2	152	153	78
RVBIP1	94	65	55





LED FLEXI-STRIP

IP20 & IP67 ACCESSORIES



VEGAS LED FLEXI-STRIP IP20 CLIP CONNECTORS

		Enforced Pack QTY
RVA48-C	VEGAS Easy Clip Connect for 4.8W/12V CCT1 IP20/STRIP-TO-STRIP, without wires	10
RVA48-C1	VEGAS Easy Clip Connect for 4.8W/12V CCT1 IP20/STRIP-TO-DRIVER, with 150mm	10
RVA48-C2	VEGAS Easy Clip Connect for 4.8W/12V CCT1 IP20/STRIP-TO-STRIP, with 150mm wire	10
RVA96-C	VEGAS EEasy Clip Connect for 9.6W/24V CCT1 IP20/STRIP-TO-STRIP, without wires	10
RVA96-C1	VEGAS Easy Clip Connect for 9.6W/24V CCT1 IP20/STRIP-TO-DRIVER, with 150mm	10
RVA96-C2	VEGAS Easy Clip Connect for 9.6W/24V CCT1 IP20/STRIP-TO-STRIP, with 150mm wire	10
RVARGB-C	VEGAS Easy Clip Connect for RGB 12V/24V IP20/STRIP-TO-STRIP, without wire	10
RVARGB-C1	VEGAS Easy Clip Connect for RGB 12V/24V IP20/STRIP-TO-DRIVER, with 150mm	10
RVARGB-C2	VEGAS Easy Clip Connect for RGB 12V/24V IP20/STRIP-TO-STRIP, with 150mm wire	10
RVARGBW-C	VEGAS Easy Clip Connect for RGBW 24V IP20/STRIP-TO-STRIP, without wires	10
RVARGBW-C1	VEGAS Easy Clip Connect for RGBW 24V IP20/STRIP-TO-DRIVER, with 150mm	10
RVARGBW-C2	VEGAS Easy Clip Connect for RGBW 24V IP20/STRIP-TO-STRIP, with 150mm wire	10

LED FLEXI-STRIP IP20 & IP67 ACCESSORIES



VEGAS LED FLEXI-STRIP IP67 CLIP CONNECTORS

		Enforced Pack QTY
RVA67-EC	VEGAS Easy clip accessories for 12V/24V CCT1 IP67 LED STRIP / 5 End Caps 10 Clips	1
RVA67RGBW-EC	VEGAS Easy clip accessories for 24V RGB & RGBW IP67 LED STRIP / 5 End Caps 10 Clips	1
RVA67-G	VEGAS Glue for IP67 LED STRIP CONNECTORS	1
RVA67-H	VEGAS Heat Shrink for IP67 LED STRIP CONNECTORS	10
RVA67-C	VEGAS Easy clip connector pack for 12V/24V Single Colour IP67 LED STRIP STRIP-TO-STRIP CONNECTOR without wires	10
RVA67-C1	VEGAS Easy clip connector pack for 12V/24V Single Colour IP67 LED STRIP STRIP-TO-DRIVER CONNECTOR with 150mm	10
RVA67-C2	VEGAS Easy clip connector pack for 12V/24V Single Colour IP67 LED STRIP STRIP-TO-DRIVER CONNECTOR with 150mm	10
RVA67RGB-C	VEGAS Easy clip connector pack for 12V/24V RGB IP67 LED STRIP STRIP-TO-STRIP CONNECTOR, without wires	10
RVA67RGB-C1	VEGAS Easy clip connector pack for 12V/24V RGB IP67 LED STRIP STRIP-TO-DRIVER CONNECTOR with 150mm	10
RVA67RGB-C2	VEGAS Easy clip connector pack for 12V/24V RGB IP67 LED STRIP STRIP-TO-DRIVER CONNECTOR with 150mm	10
RVA67RGBW-C	VEGAS Easy clip connector pack for 24V RGBW IP67/STRIP-TO-STRIP, without wires	10
RVA67RGBW-C1	VEGAS Easy clip connector pack for 24V RGBW IP67/STRIP-TO-DRIVER, with 150mm	10
RVA67RGBW-C2	VEGAS Easy clip connector pack for 24V RGBW IP67/STRIP-TO-DRIVER, with 150mm	10

LED FLEXI-STRIP

PULSE 12VDC LED FLEXI-STRIP



PULSE 12VDC 24W LED FLEXI-STRIP

- Suitable for use in bars & clubs, restaurants, under counter displays, hotel/office receptions, showrooms, exhibition stands, step lighting, window dressing
- 5m roll of flexi striplight
- Strip can be cut every 3 LEDs
- Each kit c/w driver, flex & 3M double sided tape for easy installation
- RGB kit with additional receiver and hand held remote controller

	Warm White	Cool White	RGB
	R5MSIKAU-WW	R5MSIKAU-CW	R5MSIKAU-RGB
Total Power (W):	24	24	24
Total Light Output (lm):	1,250	1,500	N/A
Lifetime (hrs):	30,000	30,000	30,000
CCT (K):	3500	5000	N/A
CRI:	70	70	N/A
IP:	20	20	20
Power Factor:	0.7	0.7	0.7
Length (mm):	5,000	5,000	5,000
Depth (mm):	10	10	10
Weight (kg):	0.5	0.5	0.5

Note: It is not recommended to join ROBUS PULSE flexi-strip. Off-cuts cannot be re-used as power supply units are not available separately. VEGAS flexi-strip should be used if joining or use of off-cuts with power supply units are required.

DIMENSIONS(mm)	Length	Depth
R5MSIKAU-WW	5,000	10
R5MSIKAU-CW	5,000	10
R5MSIKAU-RGB	5,000	10



LED FLEXI-STRIP

PULSE LED FLEXI-STRIP WIFI CONTROLLER



PULSE CONNECT 96W WI-FI CONTROLLER, IP20, SINGLE COLOUR & RGB

Single Colour

- Single Colour dimming controller
- Controlled by The ROBUS CONNECT App via WiFi
- Use with ROBUS PULSE range of drivers

	R5MCCT1-01
Total Power (W):	<1
Lifetime (hrs):	30,000
Weight (kg):	0.02
Box Qty:	1



RGBW

- Colour changing and dimming RGBW controller
- Controlled by ROBUS CONNECT App via WIFI
- Controlled by The ROBUS CONNECT App via WiFi

	RVARGBW-WIFI
Total Power (W):	<1
Lifetime (hrs):	50,000
Weight (kg):	0.02
Box Qty:	1



DIMENSIONS (mm)

	Length	Width	Height
R5MCCT1-WIFI	204	23	10
R5MRGB-WIFI	204	23	10

LED FLEXI-STRIP EXTRUSIONS



EXTRUSION, surface mounted, low profile, 8mm

- Surface mounted
- Low profile recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps and mounting clips

REXS082-23			
Box Qty:			1
Weight (kg):			0.29

DIMENSIONS(mm)	Width	Length	Height
REXS082-23	17.5	2000	8



EXTRUSION, recessed, 15mm

- Recessed extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps

REXR152-23			
Box Qty:			1
Weight (kg):			0.52

DIMENSIONS(mm)	Width	Length	Height
REXR152-23	25	2000	15



EXTRUSION, angled, 45°

- 45° angled extrusion for use in corner installations
- Push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps and mounting clips

REXA172-23			
Box Qty (mm):			1
Weight (kg):			1

DIMENSIONS(mm)	Width	Height	Length
REXA172-23	26	18	2000



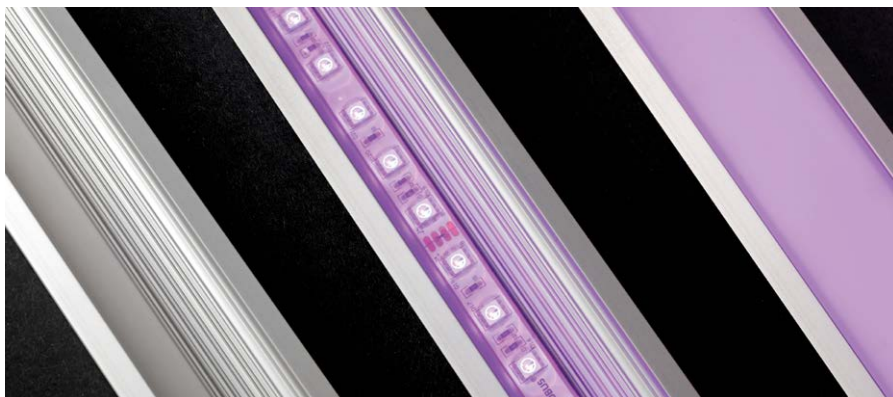
EXTRUSION, angled, 45°, wide base

- 45° angled extrusion for use in corner installations
- Wide base to fit VEGAS RGBW LED Flexi-strip
- Anodised aluminium
- Supplied in 2m lengths complete with end caps and mounting clips

REXA202-23			
Box Qty (mm):			1
Weight (kg):			1

DIMENSIONS(mm)	Width	Height	Length
REXA202-23	20	20	2000

LED FLEXI-STRIP EXTRUSIONS



Extrusions, surfaced mounted and recessed wide base

- Low profile extrusion with push on PC diffuser
- Anodised aluminium
- Supplied in 2m lengths complete with end caps
- Wide base to fit VEGAS RGBW LED Flexi-strip



Surface Mounted	REXS122-23
Height (mm):	12.5
Width (mm):	18.6
Length (M):	2
Box Qty:	1
Weight (kg):	0.12

Recessed	REXR122-23
Height (mm):	12.5
Width (mm):	18.6
Length (M):	2
Box Qty:	1
Weight (kg):	0.12

DIMENSIONS(mm)	Width	Length	Height
REXS122-23	18.6	2000	12.5
REXR122-23	18.6	2000	12.5

DRURY RECESSED EMERGENCY BLADE



EMERGENCY

DYNAMO LED 152

DAME LED DOWNLIGHT 154

LEESON LED SWING BLADE 156

DRURY LED BLADE 157

FINCH LED TWINSPOOT 158

VIVA LED EXIT BOX 159



What is LiFePO₄?

Our emergency range all utilise the latest LiFePO₄ battery technology which offers faster charge with a slower discharge when power has been interrupted. These batteries also offer a higher number of charge / discharge cycles, giving them a much longer life than other types of battery technology such as Ni_MH.

**SELF
TEST**

Self-Test

The introduction of the new ROBUS self-test emergency fittings have been designed with simple operation in mind. Safety tests are conducted autonomously on a regular, pre-set basis and without the need to switch off any circuit to conduct the testing. Fully compliant with the emergency lighting regulations set out in AS2293, these self-test fittings feature two indicator lights for easy identification of the fitting's status.



EMERGENCY DYNAMO LED



DYNAMO 2W LED NON-MAINTAINED EMERGENCY DOWNLIGHT, RECESSED

- Complies with AS 2293 D40 classification
- The fitting is pre-wired with plugtop
- A surface box accessory is available which means the fitting can be mounted where there is a concrete slab or solid ceiling
- A slim bezel provides a neat flush to the ceiling, attractive aesthetic
- Comes with LifePO₄ battery
- Non-maintained emergency lighting is design to turn on in the event of a power failure. It is linked into the building's lighting circuitry and reacts to a power failure

ACCESSORIES

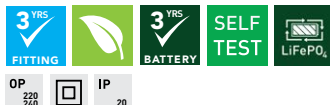
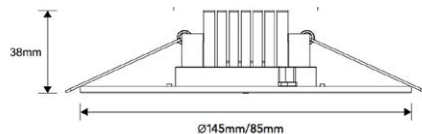
RDYS-01 DYNAMO Surface Mount Box Accessory

SELF-TEST OVERVIEW:

- The fitting is equipped with a green LED which shows the mains supply is OK and charging
- A yellow status LED provides visual indication of either:
 - No fault when indicator light is off and standby mode is active
 - Slow flash signifies a test is being conducted or has been carried out within the past 5 days
 - Fast flash indicates that there is a battery fault
- Also includes additional manual test button for testing outside of the automated schedule

White	RDY2NMEST-01
Total Power (W):	2.1
Emergency Light Output (lm):	240
Lifetime (hrs):	30,000
Beam Angle (deg):	150
Emergency Lux at 1m (lux):	60
CCT (K):	5700
CRI (Ra):	70
Weight (kg):	0.5
Box Qty:	1

DIMENSIONS (mm)	Diameter	Cut-out	Depth	Proj
RDY2NMEST-01	85/145	76/125	38	3





EMERGENCY DAME LED DOWNLIGHT

NEW!



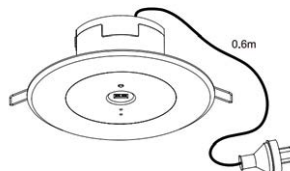
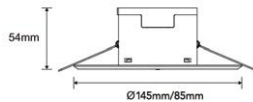
DAME LED EMERGENCY DOWNLIGHT

- Complies with AS2293.3 D40 classification
- The fitting is pre-wired with plugtop
- It is a non-maintained fitting so doesn't contrast normal lighting aesthetics and only illuminates on power failure
- An extension ring makes the fitting ideal for retro-fit where there are larger existing cut-outs or the hole has been poorly cut
- High quality independently tested LM 80 & TM 21 led's ensure the fitting will provide long life with low light depreciation over time
- Non-maintained emergency lighting is design to turn on in the event of a power failure
- Comes with LifePO₄ battery
- IC rated

White	RDA25NMEST-01
Black	RDA25NMEST-04
Total Power (W):	2.4
Emergency Light Output (lm):	240
Lifetime (hrs):	30,000
Emergency Lux at 1m (lux):	60
CCT (K):	5700
Beam Angle (deg):	150
CRI (Ra):	70
Weight (kg):	0.3
Box Qty:	1

DIMENSIONS (mm) Diameter Cut Out Depth

RDA25NMEST-01	85/145	76/125	54
RDA25NMEST-04	85/145	76/125	54





EMERGENCY LEESON EMERGENCY SWING BLADE

NEW!

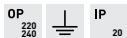
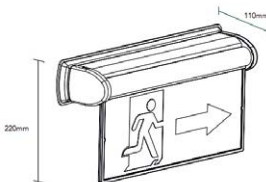
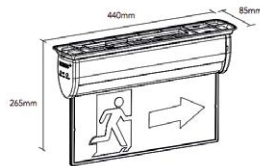


LEESON EMERGENCY SWING BLADE

- The fitting has a surface mount base with large terminals for fast and simple connection
- It has a powder coated steel main body
- A removable side plate allows fast and simple legend installation and due to the 90 degree blade swing ability the fitting can be mounted on ceilings or walls
- Comes with LifePO₄ battery
- Maintained emergency lighting is designed to be lit continuously and will continue to work in the event of a power failure
- Complies with AS2293.3 D40 classification

	RLE35EBLST-01
Total Power (W):	2.6
Total Light Output (lm):	60
Lifetime (hrs):	50,000
Emergency Lux at 1m (lux):	20
CCT (K):	6500
Beam Angle (deg):	100
CRI (Ra):	80
Power Factor (PF):	0.5

DIMENSIONS (mm)	Width	Height	Depth
RLE35EBLST-01	440	265	85



EMERGENCY DRURY RECESSED EMERGENCY BLADE

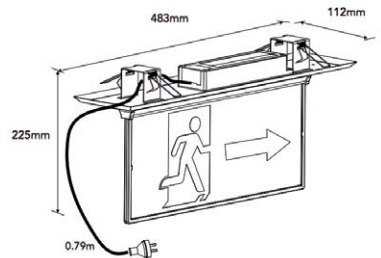


DRURY RECESSED EMERGENCY BLADE

- The fitting is pre-wired with a plugtop so is a simple connection to the mains for ease of installation.
- It has a powder coated steel main body with strong double ceiling clips which provides a recessed, aesthetically pleasing fitting
- A removable side plate allows fast and simple legend installation
- Maintained emergency lighting is designed to be lit continuously and will continue to work in the event of a power failure
- Comes with LifePO₄ battery
- Complies with AS2293.3 D40 classification

	RDR4EBLST-01
Total Power (W):	3.1
Total Light Output (lm):	60
Lifetime (hrs):	50,000
Emergency Lux at 1m (lux):	20
CCT (K):	6500
Beam Angle (deg):	95
CRI (Ra):	80
Power Factor (PF):	0.5
Weight (kg):	1.45

DIMENSIONS (mm)	Width	Height	Depth	Cut Out
RLE35EBLST-01	483	225	112	400x70



OP 220 240	IP 20
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EMERGENCY FINCH LED TWINSPOUT

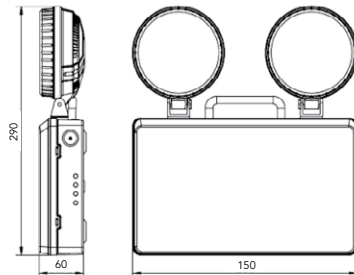


FINCH 2W LED SELF TEST TWINSPOUT, IP20

- Suitable for use in industrial units, workshops, warehouses, showrooms, shops and stores, schools, gymnasiums, health centres, hospitals, churches
- Integral automatic Self test functionality that complies with energy lighting regulations AS2293.3
- LED replacement for 2x20W halogen twin spots
- Complete with flex and plug
- Non-maintained - designed to turn on in the event of a power failure
- 3 hour emergency operation
- C/w LED status indicators
- Comes with LifePO₄ battery

	RFN560I20AST-01
Total Power (W):	2
Total Light Output (lm):	270
Lifetime (hrs):	50,000
CCT (K):	6500
CRI (Ra):	70
Weight (kg):	1.13
Box Qty:	1

DIMENSIONS (mm)	Height	Width	Depth
RFN560I20AST-01	290	150	60



EMERGENCY VIVA LED EXIT BOX



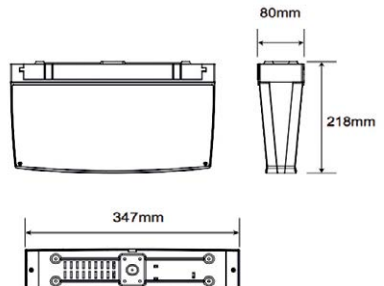
VIVA 4W LED EXIT BOX WITH LEGENDS

- This fitting has a push connection base to body, with 4 large incoming terminals which allow for fast and simple access to the termination area
- Integral automatic Self test functionality that complies with energy lighting regulations AS2293
- A single base to body retaining screw allows for easy change of legends or cleaning of the main fitting without risk of damage
- The fitting comes complete with legends which are fast fitting and provide alternatives for emergency exit directions with clear visibility
- Features new LiFePO₄ battery technology, providing longer life expectancy than earlier batter technologies such as Li-Co or Ni-MH

Product Code (Includes ledends)	R4EMLED-01
Total Power (W):	3.7
Power Factor (PF):	0.4
Total Light Output (lm):	50
Beam Angle (deg):	270
CRI (Ra):	70
CCT (K):	6500
Box Qty:	1
Weight (kg):	1.0

DIMENSIONS (mm) Height Width Depth

R4EMLED-01	218	347	80
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EMERGENCY SUMMARY

SULTAN LED Corrosion Proof CCT3

Page	Code			
54	RSU2406CCT3E-24	0.6M, Double	2x18W	Grey
54	RSU4812CCT3E-24	1.2M, Double	2x36W	Grey
54	RSU4812CCT3DPE-24	1.2M, Double, MW Sensor	2x36W	Grey

SULTAN LED Corrosion Proof CCT3 category
C_{0/180} - C63 & C_{90/270} - C100, Emergency product.



DUKE LED Batten CCT3

Page	Code			
46	RDK4012CCT3E-01	1.2M	2x36W T8 White	
46	RDK4012CCT3DPE-01	1.2M, MW Sensor	2x36W T8 White	

DUKE LED Batten CCT3 category
C_{0/180} - C80 & C_{90/270} - D40, Emergency product.



EMERGENCY SUMMARY

Where suitable, **ROBUS** products are supplied with an Emergency option as standard.

MAINTAINED EMERGENCY LIGHTING is designed to be lit continuously and will continue to work even in the event of a power failure.

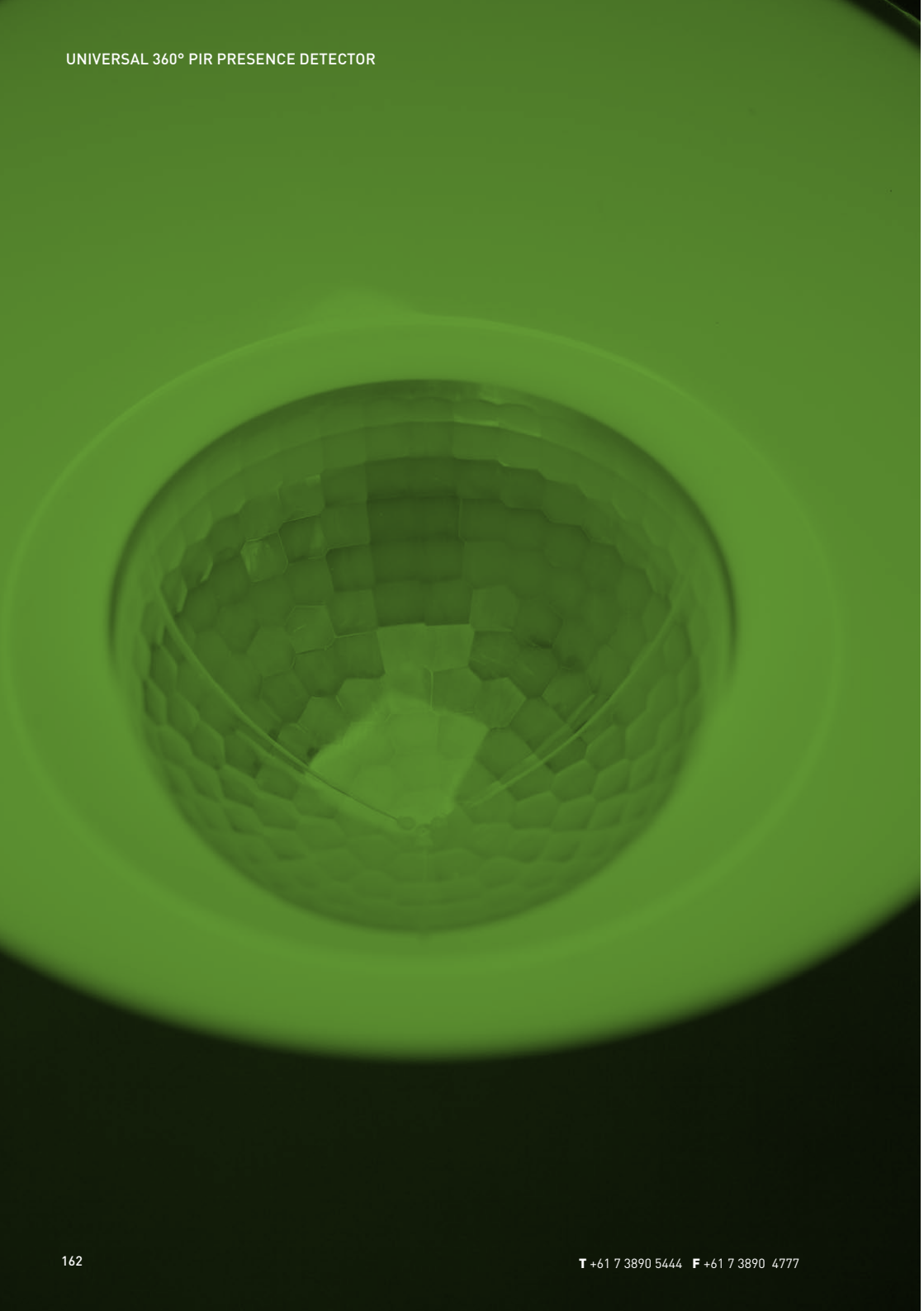
NON-MAINTAINED EMERGENCY LIGHTING is designed to turn on in the event of a power failure. It is linked into the building's lighting circuitry and reacts to a power failure.

Outlined on these pages are the items within this catalogue that are also available in Emergency.

VEGA LED

Page	Code			
100	RVE1440EF-01	Cool White	14W	White
100	RVE1440EF-01	Cool White	14W	Black
100	RVE1440EF-24	Cool White	14W	Grey





LIGHTING CONTROLS

INTERNAL PIRS	164
INTERNAL SENSORS	174
EXTERNAL PIRS	176
DAYLIGHT HARVEST SENSOR	180

LIGHTING CONTROLS

INTERNAL PIRS



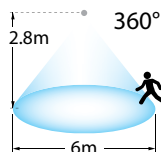
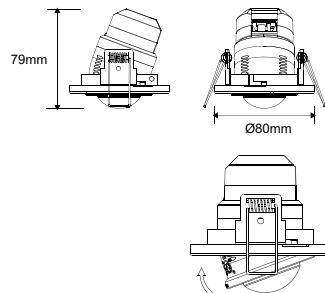
PROTON 360° PIR WITH EASY ACCESS CONTROLS

- Passive infra red ensures light is switched on when sensor detects movement of heat, switched off when area is vacated. Minimises false / unwanted triggering
- Manual over ride with automatic reset after 8 hours
- Large terminals accept 2 x 1.5mm² conductors in each terminal. Facility for loop in loop out
- Earth terminal included
- 3 wire - multiple sensors can be wired in parallel
- Easy access to adjust time and lux controls once PIR installed
- High load contact rating, allows numerous fittings to be switched
- No minimum load requirements

	RPR360PIRR-01
Detection Area:	360°
Motion Detection Range:	6m diameter at 2.8M
Loading:	Max 400W fluorescent Max 400W LED Max 800W incandescent
Time Settings:	10 seconds to 15 minutes adjustable
Lux Settings:	3-2,000lx
Weight (kg):	0.11

DIMENSIONS (mm) Diameter Cut Out Depth

RPR360PIRR-01	80	66	79
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PROTON 360° PIR

LIGHTING CONTROLS

INTERNAL PIRS



Surface



Recessed

UNIVERSAL 360° PIR PRESENCE DETECTOR

- Plug in terminal block and sensor module
- Large terminals accept 2 x 1.5mm² conductors in each terminal; facility to loop in/loop out to parallel sensors or multiple fittings
- Manual over ride with automatic reset after 8 hours
- Passive infra-red; ensures light is switched on when sensor detects movement of heat, therefore lighting is switched off when the area is vacated and minimize false/unwanted triggering
- Adjustable passive photocell; inhibits switching where natural light is sufficient
- High load contact rating; allows numerous fittings to be switched

ACCESSORIES

RU360TRIM-04 Black trim, gloss finish

Surface /Recessed	RU360-01
Detection Area:	360°
Motion Detection Range:	12-18m diameter at 2.8m
Occupancy Detection Range:	6m diameter at 2.8m
Loading:	Max 600W fluorescent Max 300W LED Max 2,000W incandescent
Time Settings:	10 sec to 40 minutes adjustable
Lux Settings:	10-2000lx
Impacting Rating (IK):	10
Weight (kg):	0.24

Surface



OP 220 240 IP 44

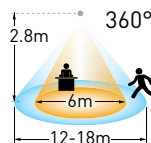
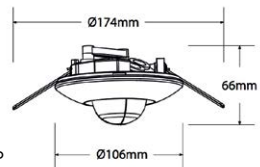
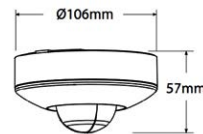
Recessed



OP 220 240 IP 20

DIMENSIONS (mm) Diameter Depth Cut-out

RU360-01 106 57/66 84





UNIVERSAL 360° PIR

LIGHTING CONTROLS

INTERNAL PIRS

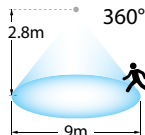
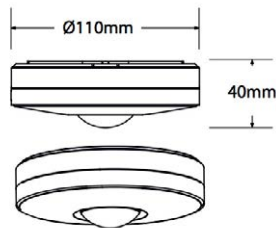


PROTON MOTION DETECTOR 360°, SURFACE

- Rear and side entry knockouts, integral cable clamp
- Large terminals accept 2 x 1.5mm² conductors in each terminal; facility to loop in/loop out to parallel sensors or multiple fittings
- Adjustable passive photocell; inhibits switching where natural light is sufficient
- Passive infra-red; ensures light is switched on when sensor detects movement of heat, therefore lighting is switched off when the area is vacated and minimize false/unwanted triggering
- High load contact rating; allows numerous fittings to be switched
- 3 wire- multiple sensors can be wired in parallel
- No minimum load requirements

White	R360N-01
Detection Area:	360°
Motion Detection Range:	9m diameter at 2.8m
Loading:	Max 300W fluorescent Max 150W LED Max 1,000W incandescent
Time Settings:	5 sec to 15 minutes adjustable
Lux Settings:	2-2000lx
Impacting Rating (IK):	10
Weight (kg):	0.24

DIMENSIONS (mm)	Length	Depth	Projection
R360N-01	110	40	45



LIGHTING CONTROLS

INTERNAL PIRS



360° PIR

- Suitable for use with SULTAN corrosion proof fittings
- Polycarbonate housing
- 7m detection diameter at mounting height of 2.8m
- Adjustable detection range - 25%, 50%, 75%, 100% of maximum
- Adjustable step dimming levels of 0%, 10%, 20%, 30%
- Adjustable lux settings of 10-50lx and daylight setting
- Adjustable time delay of 10sec to 60min
- Maximum loading of 2A
- Remote control option available
- Dimming with suitable dimmable driver
- Dimming only available on fittings that are dimmable



Remote Control

- Maximum remote operation of 7m

360° PIR	R360PIR-01
Remote Control	R360RC-01
Detection Area:	360°
Motion Detection Range:	7m Diameter at 2.8m
Loading:	Max. 450W LED Max. 300W Fluorescent Max. 300W Incandescent
Time Settings:	10 Seconds to 60 minutes for standby 1 Minute to 24 hours dimming time
Lux Settings (Lux):	10-50lx and daylight setting
Impact Rating (IK):	10
Box Qty:	1
Weight (kg):	0.1

DIMENSIONS (mm)

	Length	Width	Depth
R360PIR-01	149	36	28
R360RC-01	85	52	10



LIGHTING CONTROLS

INTERNAL PIRS



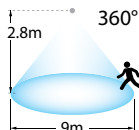
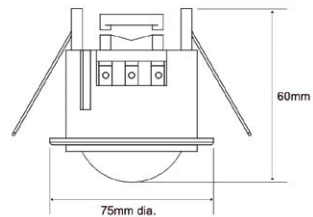
MOTION DETECTOR 360°, RECESSED

- Clear terminal cover, integral clamp and large mains terminals for 2 x 1.5mm² conductors
- Terminations are safe and visible and enables loop-in/loop-out for supply to other sensors
- Passive infra-red; ensures light is switched on when sensor detects movement of heat, therefore lighting is switched off when the area is vacated and minimize false/unwanted triggering
- 3 wire - multiple sensors can be wired in parallel
- No minimum load requirements
- Adjustable passive photocell; inhibits switching where natural light is sufficient

RR360-01	
Detection Area:	360°
Motion Detection Range:	9m diameter at 2.8m
Loading:	Max 600W fluorescent Max 300W LED Max 2,000W incandescent
Time Settings:	5 Seconds to 15 minutes adjustable
Lux Settings:	2-2000lx
Impacting Rating (IK):	10
Weight (kg):	0.11

DIMENSIONS (mm) Diameter Depth Cut-out

RR360-01	75	60	62
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MOTION DETECTOR 360°, RECESSED

LIGHTING CONTROLS

INTERNAL PIRS

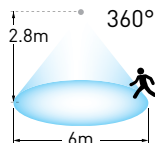
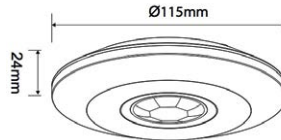


ZUNI 360° PIR, SURFACE

- Suitable for surface applications
- Polycarbonate housing providing high impact of IK10
- Suitable for loop-in/loop-out to parallel sensors or multiple fittings
- High load contact rating allows numerous fittings to be switched
- No minimum load requirements
- Detection range 360°, detection distance 6m at mounting height of 2.8m
- 3 wire – Multiple sensors can be wired in parallel

	RZU360I20-01
Detection Area:	360°
Motion Detection Range:	6m diameter at 2.8m
Loading:	Max 800W incandescent Max 400W fluorescent/LED
Time Settings:	10 seconds to 15 minutes
Lux Settings:	2-2000lx
Weight (kg):	0.11

DIMENSIONS (mm)	Diameter	Depth
RZU360I20-01	115	24



LIGHTING CONTROLS

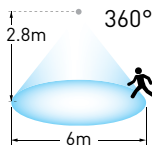
INTERNAL PIRS



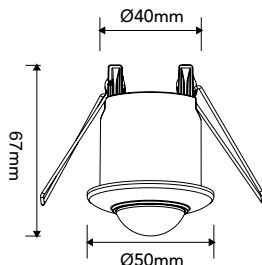
ZUNI 360° PIR, RECESSED

- Suitable for recessed applications
- Polycarbonate housing providing high impact of IK10
- Suitable for loop-in/loop-out to parallel sensors or multiple fittings
- High load contact rating allows numerous fittings to be switched
- No minimum load requirements
- Detection range 360°, detection distance 6m at mounting height of 2.8m
- 3 wire – Multiple sensors can be wired in parallel

RZU360RI20-01	
Detection Area:	360°
Motion Detection Range:	6m diameter at 2.8m
Loading:	Max 800W incandescent Max 400W fluorescent/LED
Time Settings:	10 seconds to 15 minutes
Lux Settings:	2-2000lx
Weight (kg):	0.05

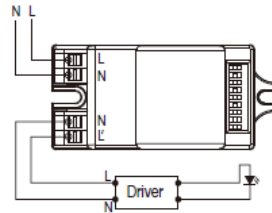


DIMENSIONS (mm)	Diameter	Cut out	Depth
RZU360RI20-01	50	45	67



LIGHTING CONTROLS

INTERNAL SENSOR



PROTON MICROWAVE SENSOR

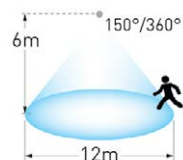
Whilst the LED lighting revolution is with us and providing huge energy savings, even greater efficiencies can be made using lighting controls.

This sensor makes even greater energy savings by:

- Ensuring that lighting is only switched on when it detects movement and when the ambient light level is below the adjustable lux switching level
- Adjustable sensing distance which can be reduced in the range 100% to 10% to alleviate false triggering
- Hold times can be set to short duration or up to 30 minutes for switch sensitive light sources
- Simple installation and connection is also provided with fast fix spring terminals for 0.75 – 1,5mm conductors

RPR200MW-01	
Maximum Load Incandescent/fluorescent/LED (W):	800/400/400
Max Mounting Height (m):	6
Detection Zone diameter Ø	6
Max mounting height (m):	
Detection Angle Wall/Ceiling (deg):	150/360
Detection Range (%):	10/25/50/75/100
Hold Times:	5s/30s/90s/3min/5min/10min/20min/30min
Lux Switching Levels (lx):	2/10/50/Full Daylight
Weight (kg):	0.05

DIMENSIONS (mm)	Length	Width	Depth
RPR200MW-01	77	36	25



LIGHTING CONTROLS

INTERNAL SENSOR

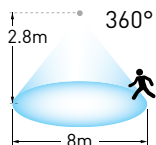
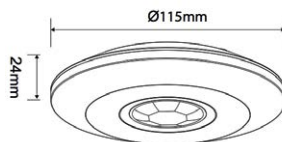


ZUNI 360° MICROWAVE SENSOR

- Suitable for surface applications
- Polycarbonate housing providing high impact of IK10
- Suitable for loop-in/loop-out to parallel sensors or multiple fittings
- High load contact rating allows numerous fittings to be switched
- No minimum load requirements
- Detection range 360°, detection distance 8m at mounting height of 2.8m
- 3 wire – Multiple sensors can be wired in parallel

	RZU360MWI20-01
Detection Area:	360°
Motion Detection Range:	8m diameter at 2.8m
Loading:	Max 2,000W incandescent Max 1,000W fluorescent/LED
Time Settings:	10 seconds to 15 minutes
Lux Settings:	3-2000lx
Weight (kg):	0.11

DIMENSIONS (mm)	Diameter	Depth
RZU360I20-01	115	24



LIGHTING CONTROLS

EXTERNAL PIRS

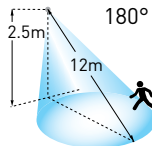
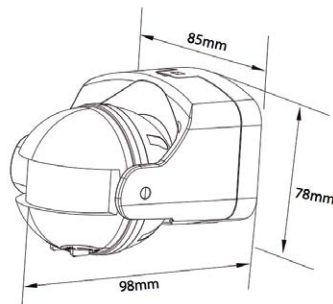


MOTION DETECTOR 180°, BLACK OR WHITE

- Suitable for surface indoor and outdoor sheltered applications
- Weatherproof housing
- Injection moulded ABS body providing high impact resistant
- Manual override facility with automatic reset after 8hrs
- High load contact rating allows numerous fittings to be switched
- Suitable for loop-in/loop-out to parallel sensor or multiple fittings
- 3 wire – multiple sensors can be wired in parallel
- No minimum load requirements

	10 seconds
	4 mins
White	L180B-01
Detection Area:	180°
Motion Detection Range:	12m diameter at 2.5m
Loading:	Max 300W fluorescent Max 150W LED Max 1,000W incandescent
Time Settings:	10 seconds to 15 minutes adjustable
Lux Settings:	2-2000lx
Box Qty:	10
Weight (kg):	0.26

DIMENSIONS (mm)	Depth	Width	Height
L180B-01	98	85	78



LIGHTING CONTROLS

EXTERNAL PIRS

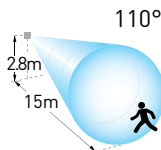
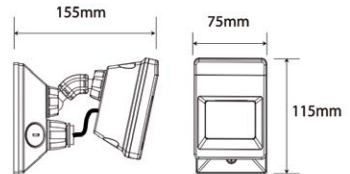


SURFACE MOUNTED ADJUSTABLE PIR

- Suitable for surface indoor and outdoor applications
- Can be either wall or ceiling mounted
- Terminals suitable for up to 2 x 1.5mm² conductors
- High load contact rating allows numerous fittings to be switched
- No minimum load requirements
- Detection angle of 110°
- Detection range adjustable from 1.2m to 15m
- Adjustment range: 180° horizontal, 90° vertical
- 3 wire – Multiple sensors can be wired in parallel

R110PIR3W-24	
Detection Area:	110°
Motion Detection Range:	1.2 to 15m
Loading:	Max 500W fluorescent Max 2,000W incandescent Max 300WLED
Time Settings:	10 seconds to 20 minutes adjustable
Lux Settings:	10-2000lx
Weight (kg):	0.03

DIMENSIONS (mm)	Depth	Width	Height
R110PIR3W-24	155	115	75



LIGHTING CONTROLS

EXTERNAL PIRS



PROTON MULTI-DIRECTIONAL 180° PIR, IP65

- Manual over ride with automatic reset after 8 hours
- Passive infra red ensures light is switched on when sensor detects movement of heat, switched off when area is vacated. Minimises false / unwanted triggering
- Large terminals accept 2 x 1.5mm² conductors in each terminal. Facility for loop in loop out
- 3 wire - multiple sensors can be wired in parallel
- High load contact rating, allows numerous fittings to be switched
- No minimum load requirements
- Complete with accessory shield to reduce detection angle

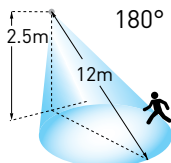
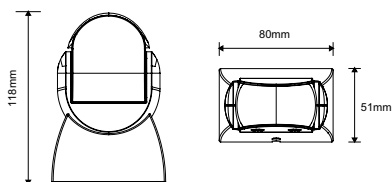
ACCESSORIES

- RPRBRK-01 Corner mount accessory, white
 RPRBRK-04 Corner mount accessory, black

DIMENSIONS (mm)

	Height	Width	Depth
RPR180PIR-01	51	80	118
RPR180PIR-04	51	80	118

White	RPR180PIR-01
Black	RPR180PIR-04
Detection Area:	180°
Motion Detection Range:	12m diameter at 2.5m
Loading:	Max 300W fluorescent Max 300W LED Max 1,200W incandescent
Time Settings:	10 sec to 15 minutes adjustable
Lux Settings:	3-2000lx
Weight (kg):	0.16
Box Qty:	1





PROTON MULTI-DIRECTIONAL 180° PIR

LIGHTING CONTROLS

DAYLIGHT HARVEST SENSOR



DAYLIGHT HARVEST SENSOR, 1-10V DIMMING, IP65, SURFACE MOUNT

This sensor's primary function is to save energy by taking natural light into account and only adding as much additive light as required to attain a set point lux level.

It requires the fitting to have a 1-10VDC dimmable driver and can control up to 800W of LED load. Parameters are selected via a 16-position rotating function wheel on the sensor or using the optional remote control (HRC-11) which provides single button programming.

This sensor provides a range of dimming functionality for:

- I. Detection sensitivity
- II. Daylight threshold (set point)
- III. Hold time
- IV. Standby time and light level

- Suitable for indoor and outdoor applications
- Weatherproof IP65 housing
- Surface mounted
- Maximum mounting height of 15m
- Power consumption of <0.5W

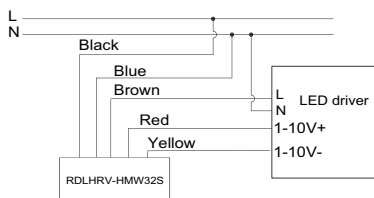
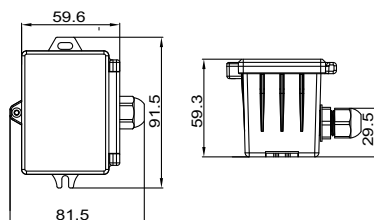


DAYLIGHT HARVEST SENSOR

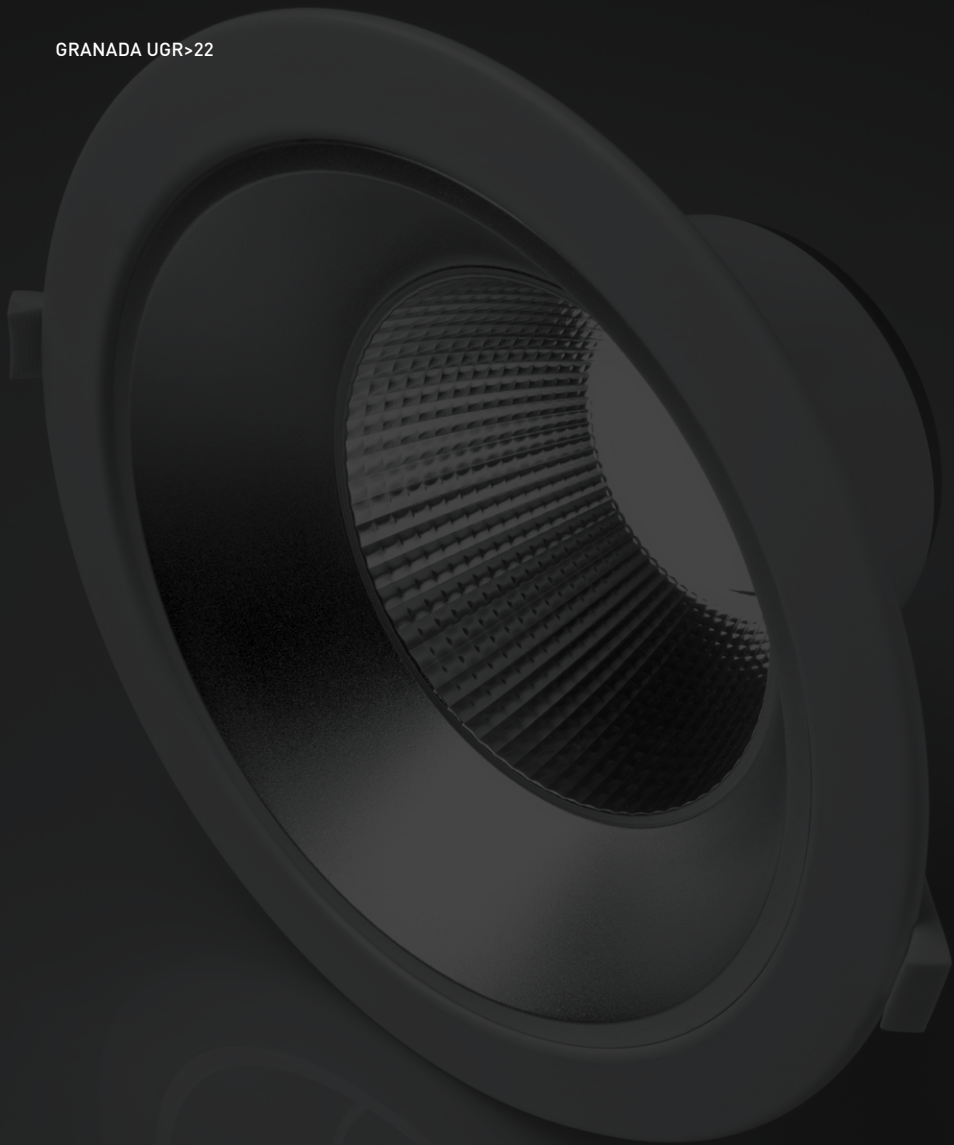
RDLHRV-HMW32S	
Detection Area:	360°
Mounting Height:	Max 15m
Detection Range:	10m at 15m height
Loading:	Max 800W fluorescent Max 800W LED Max 1,600W incandescent
Time Settings:	5 seconds to 30 minutes adjustable
Daylight Threshold:	50-400lx or disables
Standby Duration:	10 sec to 1 hour or infinite
Stand-by level:	10% - 50%
IP:	65
Impact Rating (IK):	10
Box Qty:	1
Weight (kg):	0.2

DIMENSIONS (mm) Length Height Width Depth

RDLHRV-HMW32S	91.5	59.3	81.5	59.3
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GRANADA UGR>22



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IN A NUT-SHELL



1,100

PRODUCT LINES

3,000+

ROBUS STOCKISTS
IN 40 COUNTRIES

60+

DIRECTLY EMPLOYED
SALES PERSONNEL

**ROBUS IS ONE OF THE LEADING IRISH,
UK & AUSTRALIAN BRANDS IN OUR
SECTOR, WITH INCREASING MARKET
SHARE ACROSS THE WORLD, WITH
OFFICES IN IRELAND, UK, EUROPE,
AUSTRALIA & CHINA.**



250

TALENTED PEOPLE
EMPLOYED WORLDWIDE

35+

YEARS DELIVERING
LIGHTING EXPERIENCE

20

YEARS DESIGNING AND
MANUFACTURING WINNING
LED PRODUCT LINES

OUR VALUES DRIVE OUR VISION

OUR VISION

WE ARE A GLOBAL LIGHTING COMPANY, WITH A VISION TO MAKE OUR BRAND ROBUST THE MOST TRUSTED LED LIGHTING BRAND IN THE COUNTRIES IN WHICH WE SERVE. WE ARE IN A STRONG POSITION TO ACHIEVE THIS GIVEN OUR STABILITY AND PROVEN TRACK RECORD OF CONTINUALLY ACHIEVING AND SURPASSING GOALS AND PERFORMANCE MEASUREMENTS.

OUR VALUES

ACCOUNTABILITY

We always do what we say we will do.

AMBITION

We have ambitious growth plans.

We attract ambitious people. We're innovative, constantly searching for new ideas.

CUSTOMER FOCUS

Our customers are the reason we exist.

Our conversations around business strategies are held with customers.

Their needs drive our decisions.

EMPOWERMENT

We give people autonomy to do their job effectively, fostering an entrepreneurial spirit.

FAST PACE

We make decisions quickly, communicating positive energy and drive.

WE ARE A BUSINESS BUILT AND SUSTAINED BY TALENTED PEOPLE, WHO DELIVER INNOVATION AND NEW PRACTICES THAT DRIVE OUR GROWTH STRATEGY. WE ARE A BUSINESS BUILT ON CUSTOMER LOYALTY. THE COMMON ELEMENT ACROSS OUR 5 CORE VALUES IS INTEGRITY. TO FULFIL OUR VISION AND EARN TRUST, THIS MUST BE AT THE HEART OF EVERYTHING WE DO. THAT'S WHY WE ARE ACCOUNTABLE – WE ALWAYS DO WHAT WE SAY WE WILL DO.

**WE UNDERSTAND
THE VALUE OF TRUST.
IT IS AT THE HEART OF
EVERYTHING WE DO.**

**TRUST
ROBUS®**





YOU CAN TRUST US:

TO BE EASY TO DEAL WITH

- Our entrepreneurial approach means our teams always do what they say they will do
- Our front-line sales people are empowered to make decisions locally
- We promise continuity of supply, order accuracy and efficient processes across the business

TO SUPPLY HIGH QUALITY, RELIABLE LIGHTING PRODUCTS

- We won't compromise on quality
- We deliver industry-leading QC measures
- All products have full independent certification

FOR MARKET-LED PRODUCT INNOVATION

- Our product teams have a proven track record of delivering commercial results for our customers
- We continuously identify and assess emerging technologies and trends
- We continuously implement technical improvements and introduce new products

TO PRIORITISE YOUR PROFIT RETENTION

- Our business succeeds when our customers' businesses succeed
- We actively seek business for our stockists

SINCE ITS INTRODUCTION THE ROBUS BRAND OF LIGHTING SOLUTIONS HAS BECOME SYNONYMOUS WITH INNOVATION, QUALITY AND VALUE FOR MONEY.

Simple installation, significant energy savings and 'fit and forget' solutions are key hallmarks of the range.

All new product introductions to the ROBUS range are advanced LED solutions to replace traditional light sources for both commercial and residential applications.

Over 1,100 product lines are held at our Central Distribution Centres in Dublin and Australia.

WHY ROBUS?

The ROBUS range of high quality lighting products provides the ultimate 'fit and forget' solution.

- Established in 1984 – extensive industry experience
- Over 19 years manufacturing LED Lighting
- Over 35 years servicing the electrical industry
- Quick and easily installed products
- In-house reliability testing & quality control codes of practice
- Maintenance saving or in some instances elimination
- ROBUS Retrofit LED solutions use energy more efficiently
- Delivering higher lumens per watt
- Legislation compliance
- Colour consistency
- Uniform light distribution
- Photometrics – genuine performance files for use with lighting design software
- Full solutions – emergency, dimmable, dual power and sensor options to suit a range of applications
- Warranties of 2 to 5 years

LED TECHNOLOGY HAS CHANGED THE WAY WE MEASURE AND PRESENT LIGHTING PERFORMANCE INFORMATION.

Currently the lighting industry is full of confusion and inflated claims from some brands with regards to colour stability, efficiency, lumen output and reliability.

ROBUS products are produced to standards, using only high spec LEDs from leading brands, who have precise and reliable performance data on their LED chips.

Furthermore, we are committed to rigorous testing and the provision of honest and accurate product information.

The technical information presented in this catalogue follows the industry guidelines for presentation of LED product data. All **ROBUS** products come with warranties.

ROBUS –
our information
is black and white!

See the back section of the catalogue for details on Quality Approvals including the Carbon Trust Green Business Fund, Enhanced Capital Allowances; SEAI Triple E scheme and the LIA verified scheme.





GENERAL INFORMATION

MEASURING PERFORMANCE

Our customers want proof of lighting performance, so we conduct in-house as well as external testing. Our in-house tests are carried out using an integrating sphere measurement system.

The integrating sphere has a massive 1.5m diameter, making it suitable for testing luminaires of up to 1m in length.

Measurement accuracy is achieved and maintained through the use of a calibrated lamp, traceable to international standards.

LED Group is also subscribed to LIA labs registered photometric labs scheme.

The equipment forms a critical part in LED Group's product approval process in ensuring that a product is meeting the required performance parameters. The measurement parameters are:

- **Luminous Flux** – Total (usable) lumens, describing how 'bright' the fitting is.
- **Luminaire Efficacy** – Lumens per Watt, a measure of efficiency.
- **CCT** – Correlated Colour Temperature, describing the light colour and appearance (e.g. 4,000K cool white).
- **CRI** – Colour Rendering Index is a measure of how well the light reproduces the real colours of illuminated objects.



GENERAL INFORMATION

QUALITY & RELIABILITY

LED Lighting boasts many advantages; energy efficiency, low maintenance, long life and ease of installation to name a few. But all LED Lighting is not the same.

The upfront investment in LED technology is higher, and easily justified; but how do you know if the LED's you are buying are good quality or suitable for purpose? What LED brands are you investing in and what do you know about their quality assurances?



Questions you should ask your LED lighting supplier

QUESTION 1:

What LED is used in the product?

The supplier should know the LED used as the quality of an LED product can depend strongly on this.

Lower tier LEDs can exhibit significant reductions in light output and shifts in colour after only a short operating period. Datasheets and LM-80 data should be available for the LEDs in question, which can be used to determine if they are being driven at the correct current and temperature and what the expected lifetime will be.

QUESTION 2:

What lifetime is claimed for the product and what is the warranty period?

Lifetime claims can be greatly exaggerated and reflect LEDs operating under ideal conditions rather than the actual product as a whole.

A fitting is only as good as its weakest link.

Lifetime and warranty periods are not the same!

Warranty period is most applicable for energy saving and return on investment calculations.

Be very wary of any warranty period offered that is longer than the supplier has been in business.

Consider the level of support available if there are any future issues with the product.

QUESTION 3:

Are full photometric files (.LDT, .IES, etc.) available for the product?

Lumen output and efficacy claims may be exaggerated by basing values on LEDs operating under optimum conditions, rather than on the complete fitting.

In general, products must be sent to an independent test lab to generate the photometric files.

These files are a very useful means to verify product performance.

Photometric files are also essential for lighting designers to model lighting installations in Relux or Dialux lighting design software.

QUESTION 4:

What is the colour binning range for the product (e.g. 4000K +/- 5%) and what are the specific colour bins used?

LED products can vary significantly in colour from batch to batch unless the supplier understands and controls the binning range.

The supplier should be able to provide this binning information and ensure that there is the minimum of colour variation (MacAdam Ellipses) between batches.

QUESTION 5:

Does the product have the relevant certification approvals for the application?

Certification is best practice to ensure a product meets Safety, EMC and Environmental requirements.

For this reason, and since it is expensive for suppliers to obtain, evidence of certification is a useful way to determine product and supplier quality.

CE Marking also carries with it obligations with respect to meeting minimum product performance levels as defined by ERP Directives.

It is the responsibility of the supplier to be able to prove that a product is inherently safe and fit for purpose – there are sanctions for not meeting this.

QUESTION 6:

If it is a dimmable product, what dimmers is the product compatible with?

LED products are suitable for dimming if properly specified.

The supplier should be able to provide a list of compatible dimmers that can be used with the product.

QUESTION 7:

What is the CRI (Colour Rendering Index) of the product?

Light quality is measured by CRI, which is important for many illumination applications, as it indicates how realistic colours may appear.

Most internal lighting applications should use CRI of 80 or above, whereas CRI of 65 or above is acceptable for external lighting applications.

QUESTION 8:

What is the Power Factor of the product?

Poor power factor results in inefficient use of power from the electrical grid.

This is important for larger installations as electricity providers can sometimes impose penalties for this.

For fittings of 25W or greater, power factor must exceed 0.9.

QUESTION 9:

What is the THD (Total Harmonic Distortion) of the product?

High levels of THD can result in voltage and current spikes when a product is switched on, resulting in circuit breakers tripping.

This is important for larger installations as the effect is increased for increased fittings.

GENERAL INFORMATION

IP RATING AND BATHROOM ZONES

WHAT IS IP RATING?

The resistance offered by the fixture to the penetration of solids and liquids is indicated by the IP (Ingress Protection) rating. This is a two digit number, the first number identifies the degree of protection against the ingress of solids and the second number against liquids e.g. IP65 indicates total protection against dust and protection against low pressure jets of water

First Digit

Protection against solids

- 0 No protection
- 1 Protected against solid objects greater than 50mm (e.g. accidental contact with the hand)
- 2 Protected against solid objects greater than 12mm (e.g. accidental contact with finger)
- 3 Protected against solid objects greater than 2.5mm (e.g. tools and wires)
- 4 Protected against solid objects greater than 1mm (e.g. fine tools and wires)
- 5 Protected against dust
- 6 Total protection from dust

Second Digit

Protection against liquids

- 0 No protection
- 1 Protection against vertical water drops (e.g. condensation)
- 2 Protection against direct sprays of water, up to 15° from vertical
- 3 Protection against direct sprays of water, up to 60° from vertical
- 4 Protection against water spray from all directions
- 5 Protection against low pressure jets of water from all directions
- 6 Protection against jets of water of similar force to heavy seas
- 7 Protection against immersion between 15–100cm
- 8 Protection against submersion

BATHROOM ZONES

Zone 0:

Is the area inside the bath or shower basin. A minimum rating of IPX7 is required (protection against immersion in water) and only SELV (max 12v AC) equipment may be used in this zone.

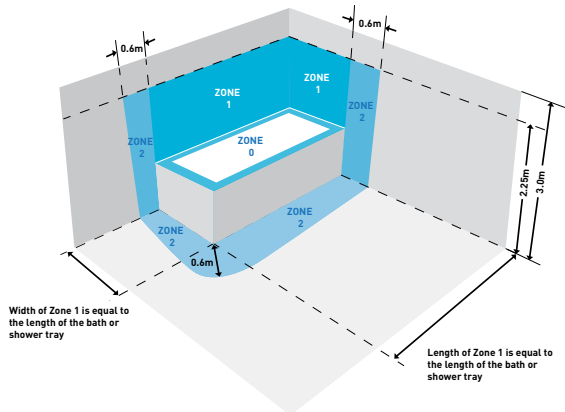
Zone 1:

Is the area directly above Zone 0 to a height of 2.25m above finished floor level or the top of the highest fixed water outlet, whichever is higher. A minimum of IPX4 is needed in this zone. If there is a possibility of water jets then IPX5 is required. 17th edition IEC regulations allow for the use of certain 240v electrical equipment in zones 1 and 2 if controlled by the appropriate RCD.

Zone 2:

Is the area 60cm external to zone 1 and to a height of 2.25m above fixed floor level or the top highest fixed water outlet, whichever is higher. A minimum of IPX4 is needed in this zone. If there is a possibility of water jets then IPX5 is required. 17th edition IEC regulations allow for the use of certain 240v electrical equipment in zones 1 and 2 if controlled by the appropriate RCD.

Zone 3 is no longer used. There is no minimum IP rating area external to zones 0, 1 and 2.



GENERAL INFORMATION

IK RATING

WHAT DOES IK RATING MEAN?

The IK rating of a fixture indicates the level of impact protection the fixture has. This is a two digit rating after the letters 'IK' that identifies the degree of protection against harsh impacts to the body of a fixture. The higher the number equates to a higher level of protection.

IK RATING	DEGREE OF PROTECTION
IK00	No protection
IK01	Protected against 0.14 joules impact. Equivalent to impact of 0.25 kg mass dropped from 57mm above impacted surface.
IK02	Protected against 0.2 joules impact. Equivalent to impact of 0.25 kg mass dropped from 80mm above impacted surface.
IK03	Protected against 0.35 joules impact. Equivalent to impact of 0.25 kg mass dropped from 140mm above impacted surface.
IK04	Protected against 0.5 joules impact. Equivalent to impact of 0.25 kg mass dropped from 205mm above impacted surface.
IK05	Protected against 0.7 joules impact. Equivalent to impact of 0.25 kg mass dropped from 285mm above impacted surface.
IK06	Protected against 1 joules impact. Equivalent to impact of 0.25 kg mass dropped from 405mm above impacted surface.
IK07	Protected against 2 joules impact. Equivalent to impact of 5 kg mass dropped from 400mm above impacted surface.
IK08	Protected against 5 joules impact. Equivalent to impact of 5 kg mass dropped from 100mm above impacted surface.
IK09	Protected against 10 joules impact. Equivalent to impact of 5 kg mass dropped from 200mm above impacted surface.
IK10	Protected against 20 joules impact. Equivalent to impact of 5 kg mass dropped from 405mm above impacted surface.








GENERAL INFORMATION

LAMP TYPES

SYMBOL	TYPE	LUMINOUS EFFICACY (lm/w)	LUMEN OUTPUT (lm)	CCT (k)	CRI	AVERAGE LIFE (Hours)	CAP TYPE
	Fluorescent U shape 2 pin	50 – 80	250 – 900	4000	56 – 90	6000	G23/-2G7
	Fluorescent Double U shape	40 – 70	600 – 1800	4000	56 – 90	8000	G24d/-q
	Fluorescent U shape 4 pin		600 – 2900	4000	56 – 90	8000	2G11
	3 U Dulux Fluorescent	40 – 76	300 – 3200	4000	65 – 90	8000	G24d/-q
	Dichroic	12 – 19	240 – 975	3000	100	3000	G5.3
	CFL	40 – 65	400 – 1500	3000	65 – 90	8000	E27/B22
	Fluorescent	65 – 71	1050 – 2700	3500	65 – 90	8000	GR10q
	Fluorescent tube	66 – 100	430 – 3150	3000	65 – 90	5000 – 1200	G5/G13
	G9 Capsule lamp	8 – 9	190 – 370	2700	100	1500	G9
	Halogen lamp	15 – 29	350 – 1450	3000	100	3000	G4/G6.35
	Halogen linear lamp	16 – 20	3520 – 9900	3000	100	2000	R7S
	AR111	10 – 12	3000	3000	100	2000	G53
	GU10 lamp	7 – 8	250 – 600	2700	100	2000	GU10
	MBF	45 – 50	2000 – 5600	2000 – 3500	40 – 49	8000	E27
	HPS	70 – 130	3500 – 130,000	2000	25	12,000	E27/E40
	Incandescent	6 – 12	150 – 3150	2700	100	1000	E27/B22

GENERAL INFORMATION

LAMP TYPES

SYMBOL	TYPE	LUMINOUS EFFICACY (lm/w)	LUMEN OUTPUT (lm)	CCT (k)	CRI	AVERAGE LIFE (Hours)	CAP TYPE
	Reflector incandescent	6 – 12	200 – 500	2700	100	1000	E27/B22
	Quartz metal halide 1 end	60 – 80	3400 – 1350	4200	65 – 85	6000	G12
	Quartz metal halide 2 end	60 – 80	5000 – 11000	4200	65 – 85	6000	R7S
	Metal Halide	60 – 80	3400 – 13,500	3000	65 – 85	9000	G12
	CFL GX53	28	260	2700 – 4000	80 – 90	10,000	GX53
	CFL GU10	31	350	2700 – 4000	80 – 90	10,000	GU10 CFL
	LED	80 – 150+	10 – 10,000	2700 – 6500	65 – 95	50,000	LED

Luminance = amount of light emitted from a particular area (cd/m²)

Luminous Flux = total energy emitted by a light source in the visible spectrum (lm)

Luminous Efficacy = amount of light emitted per unit of energy consumed (lm/w)

CCT - Correlated Colour Temperature = a measure to describe the appearance of white light (warm 3,000K, cool 4,000K etc) by comparing to a black body at a certain temperature (K)

CRI - Colour Rendering Index = a measure to describe the ability of a light source to reproduce colours accurately with reference to an ideal source

Note: LED lamp/luminaire lifetime is based on the definition from Annex II of COMMISSION REGULATION (EU) No 1194/2012

GENERAL INFORMATION

HOW TO USE THIS CATALOGUE

SYMBOLS GUIDE



Indicates x years warranty



Lumens per Watt



Energy Saving



Dimmable



Bathroom Zone 1
Suitable for use in indicated bathroom zone*



Bathroom Zone 2
Suitable for use in indicated bathroom zone*



Rotation Angle



Adjustment Angle (tilt)



High Frequency Electronic Control Gear included



Photometrics available



Non-IC Intended for commercial industrial use only. Not for residential use.



Do not cover



IC-4
Suitable for residential or commercial use. Used where air transfer is not permitted or not desired between living space and roof space.



Ingress Protection against dust and water [see technical information]

COLOUR APPEARANCE

Summer Sunlight (Northern Hemisphere)	5,500	Daylight White
	5,000	
	4,500	Cool White
	4,000	
	3,500	Neutral White
	3,000	
	2,500	
	2,000	Warm White
Candle	1,500	

GENERAL INFORMATION

HOW TO USE THIS CATALOGUE

OP
12V AC

Operating Voltage – 12V AC

OP
220
240

Operating Voltage – 220V / 240V

12V
DC

Operating Voltage – 12V DC



Pull Switch



Integral Switch



Safety Class I

Electrically insulated and earthed. In the event of a basic insulation failure, exposed metal parts that could become live are protected by the earth



Safety Class II

Live parts are equipped with additional insulation protection such as reinforced or double insulation and do not require an earth



Safety Class III

Safety extra low voltage (SELV), requires no additional protection less than 24V AC or 55V DC



Safety Isolating Transformer

COLOUR ABBREVIATIONS

- 01 White
- 02 Brass
- 03 Chrome
- 04 Black
- 07 Blue
- 09 Yellow
- 10 Matte Black
- 11 Matte White
- 13 Brushed Chrome
- 14 Antique Brass
- 15 Satin Silver
- 23 Aluminium
- 24 Grey
- 25 Dark Grey
- CW Cool White LEDs
- WW Warm White LEDs
- RGB Colour Changing LEDs

Cambridge St West
Leederville, Australia





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RLUS1824CCT3-01	95	RC125TRIM-04	86
RP30406060F-01	30	RC125TRIM-13	86
RSU4812CCT3110-24	54	RC125TRIM-15	86
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GENERAL INFORMATION

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Technical Information

C-Tick

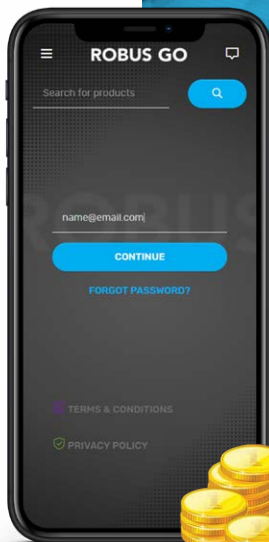
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INSTALLATION

All ROBUS products are supplied with installation instructions. ROBUS will not be held responsible for failure of products due to installations not in accordance with supplied installation instructions or in an unsuitable environment.

Unless stated otherwise, products contained within this catalogue are for installation in 'normal' environments. Ambient temperature, control methods and environmental conditions have an influence on the suitability of many products for installation in some areas. IP ratings of products should be considered relative to the environmental conditions in which they are to be installed - ingress protection. Life expectancy of some light sources and control gear may be reduced significantly by short time delay switching, particularly PIR and time lag switches. Time delay off should be set to 30 minutes to minimise premature failure of some fluorescent light sources. Where shorter time delay periods are required to make optimum energy savings, LED products should be considered, as although more expensive initially, they will pay back in relatively short periods of time. Please contact technical support if you are in any doubt about the suitability of products for specific operating conditions.

All performance data listed are subject to tolerances of +/- 10% unless otherwise stated.



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