

## SURFACE FITTINGS

### IP65 7.5W, 10W & 15W SMD LED GOLF FAMILY OF SURFACE FITTINGS



See Page 2 Code matrix for all available options	4,000K:	R075LED-01	R100LED-01	R150LED-01
	3,000K:	N/A	R100LEDWW-01	N/A
<b>Comparable to 2D CFL:</b>		16W	28W	38W
<b>Rated LED Light output L<sub>100</sub> (lm):</b>		650	750(700)	1300
<b>Light output in emergency (lm):</b>		180	180	180
<b>Illuminance @ 1m (lx):</b>		210	250(230)	410
<b>Beam Angle (deg):</b>		110	110	110
<b>CRI L<sub>100</sub> (Ra):</b>		80	80	80
<b>Power Consumed (W):</b>		7.5	10	15
<b>Efficacy (lm/cctW):</b>		87	75(70)	87
<b>Power Factor:</b>		0.9	0.9	0.9
<b>Rated LED Life (hrs):</b>		50,000	50,000	50,000
<b>Operating Ambient Temp (°C):</b>		-10<Ta<+35	-10<Ta<+35	-10<Ta<+35
<b>Dimensions Diameter/Depth mm):</b>		272/90	330/118	330/118
<b>Ingress Protection:</b>		IP65	IP65	IP65
<b>Mechanical Impact Rating:</b>		IK09	IK09	IK09
<b>Min/Box Qty:</b>		1/6	1/6	1/6
<b>Weight (Kg):</b>		0.9	1.8	1.4
<b>Warranty (Yrs):</b>		5	5	5

Utilising the latest Surface Mount Diode LED technology combined with the Robus high efficiency Pro-diffuser, the LED Golf Family provides one of the most energy and maintenance savings solutions available. Versatility is enhanced with options of integral microwave sensor, dual power for background lighting and emergency versions. These great Golf fittings are suitable for applications in:

- Retail Shops
- Public Buildings
- Stairwells
- Sports centres
- Walkways
- Corridors
- Communal areas

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Provides a great combination of functionality:               <ul style="list-style-type: none"> <li>• Standard</li> <li>• Integral Microwave                   <ul style="list-style-type: none"> <li>• Detection range of 12m when mounted at 3m</li> <li>• Off time delay 5s to 20 minutes</li> <li>• Photocell inhibit from 5 lux to daylight</li> <li>• Sensitivity selection of 10%, 50% or 100%</li> </ul> </li> <li>• Dual Power -selectable background light 10% to 100%</li> <li>• Emergency lighting options</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provides integral sensor activation with fully selectable parameters where external sensors may be difficult to install</li> <li>• Slave a further 9 fittings off the sensor for corridor or stairways</li> <li>• Constant selectable background light for safety, peace of mind and user confidence as they are not walking into dark areas</li> <li>• Instant full light output for normal operation when presence detected</li> <li>• Reduces power consumption and energy costs by up to 80% whilst in background light level mode</li> <li>• Provides good levels of emergency lighting for safe traverse</li> </ul>
<ul style="list-style-type: none"> <li>• High impact polycarbonate construction (IK09 to EN62262)</li> <li>• New high efficiency pro-diffuser</li> </ul>	<ul style="list-style-type: none"> <li>• Strong and durable protection against vandalism with long service life</li> <li>• New diffuser material:               <ul style="list-style-type: none"> <li>• Allows maximum light output</li> <li>• Provides low glare</li> <li>• Creates even light distribution without dark or hotspots</li> <li>• Aesthetically pleasing as the individual LED's are not visible</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• Utilises high quality SMD LED's which provide:               <ul style="list-style-type: none"> <li>• High luminous flux with low lumen depreciation over life</li> <li>• Low power consumption</li> <li>• High efficacy</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provides long life of 50,000 hours with zero maintenance or annoying dark areas, often the case where traditional 2D lamps have failed</li> <li>• Comparable light output to replace 2D "one for one"</li> <li>• Low energy, making energy savings of over 65% compared to 2D</li> <li>• Provides up to 87 lumens for every watt used, complying with Part L</li> <li>• All the above help to provide very low energy and maintenance costs through life with paybacks achieved in months</li> </ul>
<ul style="list-style-type: none"> <li>• Stable colour temperature of 3,000K/4,000k with high CRI</li> </ul>	<ul style="list-style-type: none"> <li>• Provides clear visibility and is ideal for security camera coverage</li> </ul>
<ul style="list-style-type: none"> <li>• Solid state technology</li> </ul>	<ul style="list-style-type: none"> <li>• Rugged - No heat filaments or electrodes to prematurely fail through vibration &amp; temperature variations</li> <li>• Can be switched by microwave, PIR and/or photocell               <ul style="list-style-type: none"> <li>• Creates even greater energy savings when lighting not required</li> <li>• Not detrimental to LED life as it is with CFL light sources</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• Robus 5 year guarantee</li> </ul>	<ul style="list-style-type: none"> <li>• No internet registration or form filling - simple, peace of mind</li> </ul>

## SURFACE FITTINGS

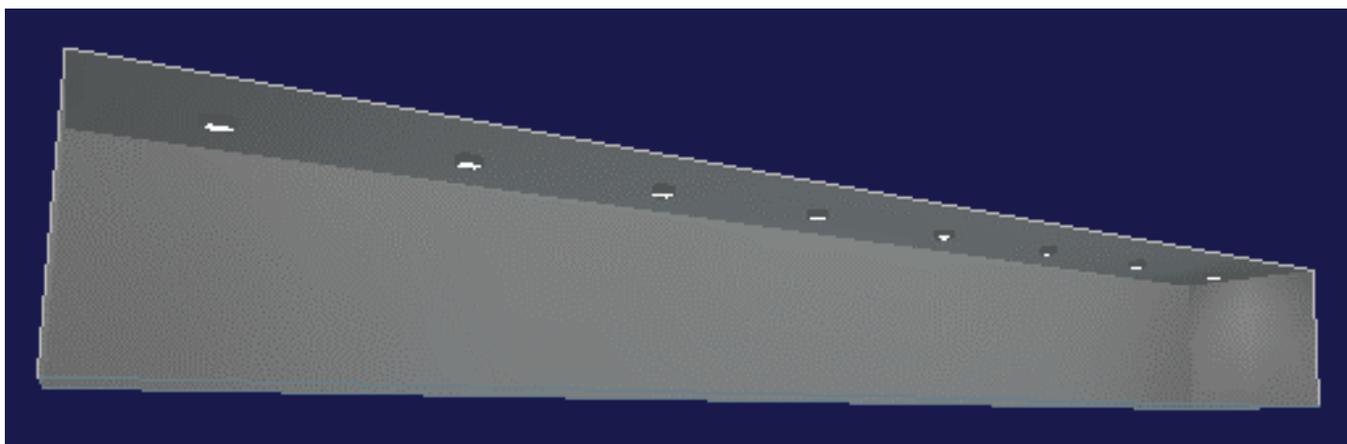
### IP65 7.5W, 10W & 15W SMD LED GOLF FAMILY OF SURFACE FITTINGS

ORDER CODE MATRIX	7.5W	10W		15W
Available Colour Temperature	4,000K only	3,000K	4,000K	4,000K only
Non-emergency	R075LED-01	R100LEDWW-01	R100LED-01	R150LED-01
+ Microwave Sensor	R075LEDS-01	R100LEDWW-01SEN	R100LEDS-01	R150LEDS-01
+ Dual power	R075LED-01DP	R100LEDWW-01DP	R100LED-01DP	R150LED-01DP
+ Sensor & Dual Power	R075LED-01SENDP	R100LEDWW-01SENDP	R100LED-01SENDP	R150LED-01SENDP
Emergency	R075LEDE-01	R100LEDWW-01E	R100LEDE-01	R150LEDE-01
+ Sensor	R075LEDE-01SEN	R100LEDWW-01SENE	R100LEDES-01	R150LEDES-01
+ Dual Power	R075LEDE-01DP	R100LEDWW-01DPE	R100LEDE-01DP	R150LEDE-01DP
+ Sensor & Dual Power	R075LEDE-01SENDP	R100LEDWW-01SENDPE	R100LEDE-01SENDP	R150LEDE-01SENDP

#### Example Installation Comparison

Corridor 20 metres long by 2 metres wide and 2.8 metres high. Operating 12 hours per day, 5 days per week and 52 weeks per year. Cost of electricity = 10p/kWh.

Fittings are 38W 2D and 15W LED from a branded manufacturer and the new 15W LED Golf.



Corridor 20m x 2m x 2.8m high - target 100lx							
Fitting	Qty fittings	Av Illuminance (lx)	Total Luminous Flux (lm)	Total Power(W)	W/m <sup>2</sup>	Efficacy (lm/W)	Running Costs £/Yr
38W 2D	8	100	8640	320	8	27	£99.84
15W LED	9	103	8550	153	3.83	56	£47.74
Golf 15W LED	8	105	10040	116.8	1.95	86	£36.44

The results from the above basic Relux scheme demonstrates the great performance and running cost savings of the Robus LED Golf, not only compared to a branded 2D fitting, but also making additional savings when compared to a major brand LED fitting.

Energy savings compared to fitting from a leading brand:

2D >63%  
LED >23%

**PLEASE NOTE – INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE**