

## DOWNLIGHTS

### TRIUMPH ACTIVATE IP65 LEDCHROIC™ DIMMABLE 8W LED DOWNLIGHT WITH SWIFT MALE/FEMALE CONNECTOR WITH WHITE BEZEL



Accessories:	
<b>60 degree LEDCHROIC™ Lens</b>	RATRLENS-60
<b>Chrome Bezel</b>	RATRTRIM-03
<b>Brushed Chrome Bezel</b>	RATRTRIM-13

Codes: Add <b>E</b> suffix for Emergency	RATR8P03038-01	RATR8P04038-01
<b>Comparable to:</b>	LV 50W Halogen	LV 50W Halogen
<b>Light Output L<sub>100</sub> Std/Em(lm):</b>	640/120	680/135
<b>Beam Angle (deg):</b>	38	38
<b>Illuminance @ 1m (lx):</b>	1140	1190
<b>Colour Temp L<sub>100</sub> (k):</b>	3,000	4,000
<b>CRI L<sub>100</sub> (Ra):</b>	>80	>80
<b>Total Power Consumed (W):</b>	8	8
<b>Efficacy (lm/cctW):</b>	80	85
<b>Power Factor:</b>	>0.98	>0.98
<b>Rated LED life (hrs):</b>	50,000	50,000
<b>Ingress Protection (IP):</b>	65	65
<b>Ambient Operating Temp (°C):</b>	-20<T <sub>a</sub> <+45	-20<T <sub>a</sub> <+45
<b>Diameter/Height (mm):</b>	91.5/98	91.5/98
<b>Cut-out (mm):</b>	70	70
<b>Min Order Qty/Carton Qty:</b>	1/18	1/18
<b>Weight (Kg):</b>	0.34	0.34
<b>Warranty (yrs):</b>	5	5

This fantastic new Robus TRIUMPH ACTivate fire and IP65 rated LED downlight combine the latest state of the art technologies available to create the highest performance downlight in the lighting market. It utilises the following superb Robus technologies:

- ACTivate true Driver-On-Board (DOB) technology eliminates the electrolytic capacitor and provides driver efficiency and reliability for long life
- Chip on Board (COB) for optimum light output, low power consumption, high efficacy and long life
- LEDCHROIC™ Optic achieving unequalled light distribution, uniformity and clarity, replicating traditional dichroic
- SWIFT 4 terminal male/female plug & play connector for fast, simple and efficient installability
- Plug & Play emergency option simply connects between main supply female connector and fitting male connector for easy retro-fit

The high specification of Triumph ACTivate makes it the downlight of choice, outperforming all current LED downlights in its class by some margin.

FEATURES	BENEFITS
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Technology

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|--|---|
| <ul style="list-style-type: none"> <li>• State of the art Integrated Chips with no traditional electrolytic capacitors provide true Driver-On-Board (DOB) technology with all power supply, driver components, dimming functionality, power factor, surge &amp; thermal protection integrated onto the LED PCB and powered direct from the mains supply</li> </ul> | <ul style="list-style-type: none"> <li>• No traditional electrolytic capacitors for long life, often the cause of premature driver failure</li> <li>• Very efficient technology which is significantly more reliable than separate, or drivers "integrated" into the fitting or heat sink and provides IC control for:                             <ul style="list-style-type: none"> <li>• Stable drive current to maximise LED performance and life</li> <li>• Smooth dimming functionality</li> <li>• Minimum driver power losses for energy efficiency</li> <li>• High power factor of 0.98 so no penalties from electricity supply companies</li> <li>• Circuit and component protection for long life</li> </ul> </li> <li>• No issues of incorrectly connecting a mains supply to an LV fitting causing failure</li> <li>• No external driver to locate in the void</li> </ul> |
| <ul style="list-style-type: none"> <li>• Latest Single Chip-on-Board (COB) LED technology for:                             <ul style="list-style-type: none"> <li>• High lumen output of ≥ 640lm</li> <li>• Low power consumption of 8W</li> <li>• Low heat emissions</li> </ul> </li> </ul>   | <ul style="list-style-type: none"> <li>• Compared to LV Halogen:                             <ul style="list-style-type: none"> <li>• Over 70% more light output so less fittings may be used for the same lighting effect which reduces total fittings and installation costs</li> <li>• Energy savings in excess of 80% reduces CO<sub>2</sub> emissions and building electricity costs</li> <li>• Efficacy of ≥ 80 luminaire lm/cctW to comply with Part L1 &amp; L2 UK Building Regulations</li> <li>• LED's run cooler for enhanced rated life of 50,000 hours so no more lamp changes every 1000 hours</li> </ul> </li> <li>• Easier to control a single chip light beam than multiple SMD type chips for better uniformity</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Robus LEDCHROIC™ 38° optic technology</li> <li>• Optional 60° LEDCHROIC™ optic accessory</li> </ul>   | <ul style="list-style-type: none"> <li>• Achieves the traditional look of a dichroic lamp</li> <li>• Has a uniform light beam with gentle cut-off at extremities without any dark patches</li> <li>• Provides wide or extra wide light beam for bespoke lighting design</li> <li>• High or low ceiling heights can be catered for</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Solid state</li> </ul>  | <ul style="list-style-type: none"> <li>• "Instant on" to ensure immediate visibility so no tripping over obstacles</li> <li>• Rugged with no filament to prematurely fail due to knocks, building vibration or heating up/cooling cycles</li> <li>• Compatible with PIR, photocell &amp; microwave switching without compromise to LED life</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Finned aluminium heat sink with large surface area</li> </ul>   | <ul style="list-style-type: none"> <li>• Provides optimal heat conduction away from the COB and DOB components to ensure long reliable service life</li> </ul>  |

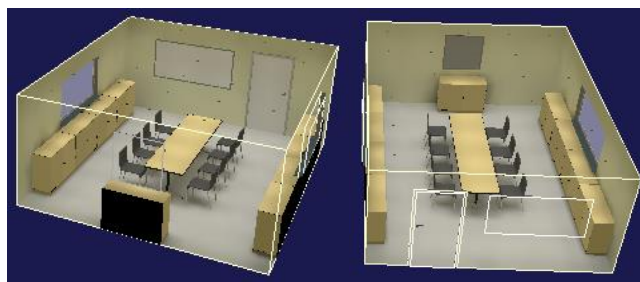
## DOWNLIGHTS

### TRIUMPH ACTIVATE IP65 LEDCHROIC™ DIMMABLE 8W LED DOWNLIGHT WITH SWIFT MALE/FEMALE CONNECTOR

A typical 6m x 5m meeting room installed with:

Halogen 50W GU10

Triumph ACTivate 8W Warm White LED



Total fittings used	30
Average Illuminance	379 lx
Uniformity	0.92
Total power consumed	1530 Watts

Total fittings used	15
Average Illuminance	375 lx
Uniformity	0.93
Total power consumed	124 Watts

In this example the Triumph ACTivate solution:

- Requires only half the fittings, making huge initial product & installation cost savings
- Emits comparable light output with excellent uniformity
- Saves over 90% energy to provide massive long term savings and recoup extra initial costs in months

Compare the Triumph ACTivate against other LED fittings and see the difference in performance, running costs and payback.

ADDITIONAL FEATURES	ADDITIONAL BENEFITS
<p><u>Aesthetics</u></p> <ul style="list-style-type: none"> <li>• High quality white twist and lock detachable bezel</li> <li>• Chrome and brushed chrome trim accessories available</li> </ul>	<ul style="list-style-type: none"> <li>• Looks superb to match or contrast many decor colours &amp; styles</li> <li>• Optional colour trims for bathroom and other room aesthetics</li> </ul>
<p><u>Installation</u></p> <ul style="list-style-type: none"> <li>• Pre-wired with Robus SWIFT 4 pin male/female plug &amp; play connector with large terminals and integrated cable restraint</li> </ul>	<ul style="list-style-type: none"> <li>• First fix wiring can be completed at early stage using the supplied female half of the connector</li> <li>• Having 4 pins and large terminals means switch and permanent live conductors are terminated in the connector to provide loop in/out facility so no junction boxes required saving time and cost</li> <li>• Fitting is stored safely while building work and decoration is carried out so the fitting doesn't get damaged</li> <li>• The fitting can be connected later using the pre-wired male connector and inserted into the pre-cut hole</li> <li>• Provides simple plug and play emergency pack connection</li> </ul>
<ul style="list-style-type: none"> <li>• Wide flange with short narrow main body</li> <li>• Integrated insulation stand-off</li> </ul>	<ul style="list-style-type: none"> <li>• Covers existing cut-outs so great for retro-fit and is ideal for shallow ceiling voids</li> <li>• Allows insulation to be loosely applied above and around fitting so avoids "cold spots" in insulated voids</li> <li>• Ensures there is sufficient air gap between insulation and fitting for efficient operation</li> </ul>
<p><u>Compliance</u></p> <ul style="list-style-type: none"> <li>• Fire, acoustic and airflow tested</li> <li>• Ingress protection of IP65</li> <li>• Complies with Building Regulations parts L1 &amp; L2</li> </ul>	<ul style="list-style-type: none"> <li>• Provides compliance with Parts B, C &amp; E of the Building Regulations for installation in most buildings</li> <li>• Can be used in shower and other wet areas to maintain the same aesthetic throughout the installation</li> <li>• With an efficacy of <math>\geq 80</math> luminaire lm/cctW all versions are suitable for installation in all building types</li> <li>• Some manufacturers products are not efficient enough for installation in commercial, retail or entertainment venues</li> </ul>
<ul style="list-style-type: none"> <li>• Confidence inspiring Robus 5 year no quibble warranty</li> </ul>	<ul style="list-style-type: none"> <li>• Simple process</li> <li>• No internet product registration needed</li> </ul>

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