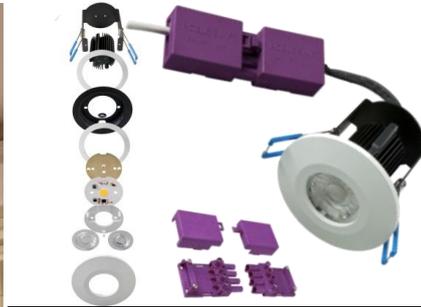


DOWNLIGHTS

TRIUMPH ACTIVATE IP65 LEDCHROIC™ DIMMABLE 11W LED DOWNLIGHT WITH SWIFT MALE/FEMALE CONNECTOR AND WHITE BEZEL



Accessories:	
Separate Emergency Pack	RTED/4/TP60/240WC
38° LEDCHROIC™ LENS	RATRENS38
Bezels: Polished Brass	RATRTRIM-02
Polished Chrome	RATRTRIM-03
Matte Black	RATRTRIM-10
Matte White	RATRTRIM-11
Brushed Chrome	RATRTRIM-13
Antique Brass	RATRTRIM-14

Product Codes	Non- Emergency:	RATR0113060-01	RATR0114060-01
Fitting With Emergency Pack: RATR0113060-01E RATR0114060-01E			
Comparable to LV Halogen/PL (W):	>50/26	>50/26	>50/26
Total Power Consumed (W):	11.1	11.2	11.2
Total Light Output (lm):	950	1030	1030
Efficacy (Llm/cctW):	86	92	92
Illuminance @1m (lx):	920	990	990
Beam Angle (Deg):	60	60	60
Correlated Colour Temp (CCT):	3000	4000	4000
Colour Rendering Index (Ra):	80	80	80
Emergency Light Output (lm):	285	320	320
Warranty (yrs):	5	5	5
Rated LED Life (hrs):	50000	50000	50000
Operating temperature range (°C):	[-20 +45]	[-20 +45]	[-20 +45]
Ingress Protection (IP):	65	65	65
Power Factor:	0.98	0.98	0.98
Operating Voltage:	220-240	220-240	220-240
Cut Out(mm):	70	70	70
Dimensions (mm)	Diameter:	91.5	91.5
Recessed Depth:		100	100
Projection:		10	10
Box Qty:		1	1
Weight (Kg):		0.37	0.37

This fantastic addition to the Triumph ACTivate range of fire and IP65 rated LED downlights combine the latest state of the art technologies available to create the highest performance downlights in the lighting market, utilising the following superb Robus technologies:

- ACTivate true Driver-On-Board (DOB) technology eliminates electrolytic capacitors 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 and install

The high specification of the Triumph ACTivate range makes it the downlight of choice, outperforming all other LED downlights in its class.

FEATURES

BENEFITS

Technology

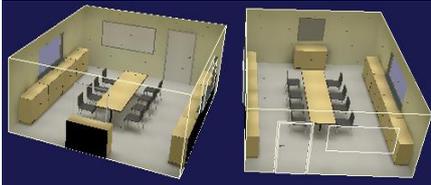
- | | |
|--|---|
| <ul style="list-style-type: none"> • State of the art Integrated Chips with no traditional electrolytic capacitors provide true Driver-On-Board (DOB) technology with all power supply, driver components, dimming functionality, power factor, surge & thermal protection integrated onto the LED PCB and powered direct from the mains supply | <ul style="list-style-type: none"> • No electrolytic capacitors for long life, often the cause of premature driver failure • 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"> • Stable drive current to maximise LED performance and life • Smooth dimming functionality • Minimum driver power losses for energy efficiency • High power factor of 0.98 so no penalties from electricity supply companies • Circuit and component protection for long life • No issues of incorrectly connecting a mains supply to an LV fitting causing failure • No external driver to locate in the void |
| <ul style="list-style-type: none"> • Latest Single Chip-on-Board (COB) LED technology for: <ul style="list-style-type: none"> • High lumen output • Low power consumption • Low heat emissions • Long life • High efficacy | <ul style="list-style-type: none"> • Single chip light beam is easier to control than multiple SMD type chips for smoother uniformity and light distribution • Compared to LV Halogen or PL: <ul style="list-style-type: none"> • Greater light output so less fittings are used for the same lighting effect • Reduces total number of fittings required and associated installation costs • Energy savings in excess of 78% reduces CO₂ emissions and building electricity costs • LED's run cooler for enhanced rated life of 50,000 hours so no more lamp changes every 1000 hours • Efficacy of ≥ 86 luminaire lm/cctW to comply with Part L1 & L2 UK Building Regulations & compliance with requirements for Enhanced Capital Allowances |
| <ul style="list-style-type: none"> • Robus LEDCHROIC™ 60° optic technology • Optional 38° LEDCHROIC™ optic accessory | <ul style="list-style-type: none"> • Achieves the traditional look of a dichroic lamp • Has a uniform light beam with gentle cut-off at extremities without any dark patches • Provides wide light beam to fully utilise high lumen output for standard ceiling heights • Alternative narrower beam for higher ceilings or accent lighting of displays |
| <ul style="list-style-type: none"> • Solid state | <ul style="list-style-type: none"> • "Instant on" to ensure immediate visibility so no tripping over obstacles • Rugged with no filament to prematurely fail due to knocks, building vibration or heating up/cooling cycles • Compatible with PIR, photocell & microwave switching without compromise to LED life |
| <ul style="list-style-type: none"> • Finned aluminium heat sink with large surface area | <ul style="list-style-type: none"> • Provides optimal heat conduction away from the COB and DOB components to ensure long reliable service life |

DOWNLIGHTS

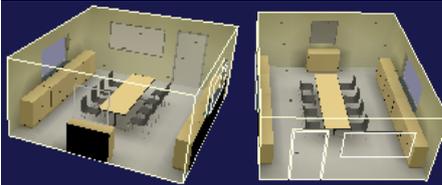
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A typical 6m x 5m x 2.4m high meeting room with target lux = 350lx installed with:

Halogen 50W GU10



Branded 10W 4,000K CCT



Triumph ACTivate 11W Neutral White



Total fittings used	30	Total fittings used	12	Total fittings used	9
Average Illuminance	>350 lx	Average Illuminance	>350 lx	Average Illuminance	>350 lx
Uniformity	0.92	Uniformity	0.97	Uniformity	0.92
Total power consumed	1530W	Total power consumed	148.8W	Total power consumed	100.8W

In this example the Triumph ACTivate 11W solution:

- Requires **66%** fewer fittings than a traditional halogen installation, making huge initial product & installation cost savings, and **25%** fewer fittings than a branded 10W LED FRD
- Emits comparable light output with excellent uniformity of over 0.92
- Saves over **90%** energy against a traditional light source and **32%** against a branded 10W LED fitting to provide massive long term savings and recoup 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"> • High quality white twist and lock detachable bezel • Full range of trim accessories available 	<ul style="list-style-type: none"> • Clean smooth lines in white provides traditional aesthetics • Optional colour trims to contrast, compliment or match existing décor • A future "New Look" can quickly and easily be achieved with a trim swap
<p><u>Installation</u></p> <ul style="list-style-type: none"> • Pre-wired with Robus SWIFT 4 pin male/female plug & play connector with large terminals and integrated cable restraint 	<ul style="list-style-type: none"> • First fix wiring can be completed at early stage using the supplied female half of the connector • 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 • Fitting is stored safely while building work and decoration is carried out so the fitting doesn't get damaged • The fitting can be connected later using the pre-wired male connector and inserted into the pre-cut hole • Provides simple plug and play emergency pack connection
<ul style="list-style-type: none"> • Wide flange with short narrow main body • Integrated insulation stand-off 	<ul style="list-style-type: none"> • Covers existing cut-outs. Great for retro-fit and is ideal for shallow ceiling voids • Allows insulation to be loosely applied above and around fitting so avoids "cold spots" in insulated voids • Ensures there is sufficient air gap between insulation and fitting for efficient operation
<p><u>Compliance</u></p> <ul style="list-style-type: none"> • Fire, acoustic and airflow tested • Ingress protection of IP65 • Complies with Building Regulations efficacy for <ul style="list-style-type: none"> • Part L1 currently 45lm/cctW • Part L2 currently 60lm/cctW • Complies with the requirements of Carbon Trust Energy Technology Criteria List • Confidence inspiring Robus 5 year warranty 	<ul style="list-style-type: none"> • Provides compliance with Parts B, C & E of the Building Regulations for installation in most buildings • Can be used in shower and other wet areas to maintain the same aesthetic throughout the installation • With an efficacy of ≥ 82 luminaire lm/cctW all versions are suitable for installation in all building types • Some lower cost products are not efficient enough for installation in commercial, retail or entertainment venues • The installation will qualify for Enhanced Capital Allowances for businesses • Provides cost of product and installation allowances in year 1 to aid cash flow • Simple process • No internet product registration needed

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