

Sunday, 11 March 2012 17:30 - Last Updated Friday, 11 October 2013 15:39

Downlights - UPB Compliant

Written by Carl Holden
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to 50W for Halogen light and 10 Watts for transformer, total 60Watts. ***That is a 48 Watt saving per light***

4: Highest quality Philips European parts used in LED driver to ensure highest efficiency, long life and fully flicker free dimming by 99% of dimmer types and control methods down to 1%!!!

The LED driver can be controlled by: A: Leading edge (or forward phase control) Triac 2 wire Clipsal or HPM, UPB, Phillips Dynalite or CBUS dimmers.

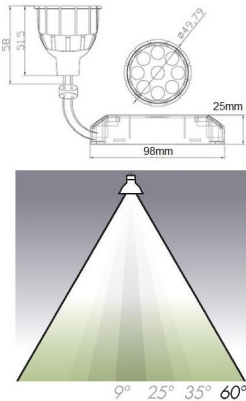
B: Trailing edge (or reverse phase control) Triac 2 wire Clipsal or HPM, UPB, Phillips Dynalite or CBUS dimmers.

C: Universal MOSFET 2 wire Clipsal UPB dimmers.

**Note: 2 wire wall dimmers with no NEUTRAL connection can only dim down to 10%.

Model Number	TFQW600B (NO GIMBAL)	TEQYW600B (NO GIMBAL)
Power Consumption	9W LED/12W Total	9W LED/12W Total
LED intensity	NICHIA 1440cd / 650lm	NICHIA 1670cd / 720lm
CRI / Glare	85 / 0.7 (less than halogen)	85 / 0.8 (less than halogen)
Color Temperature	3000±100K (same as halogen)	4000±200K (like fluorescent)
Beam Angle	60° (same spread as halogen)	60° (same spread as halogen)
LED heatsink temp	80 deg C LM80	80 deg C LM80
Lifetime hr (years)	40000 (4 continuous)	40000 (4 continuous)
Working ambient temp	LED+Driver -5C - 40C	LED+Driver -5C - 40C
Driver LED Output	18V Dim 1% 5mA to 450mA	18V Dim 1% 5mA to 450mA
Driver Input Voltage	Dim 20-240VAC	Dim 20-240VAC
No Flicker Dimming	Trailing/Leading/universal	Trailing/Leading/universal
Control Types	2 wire wall / Automation	2 wire wall / Automation
Intensity	cd = candela	lm = Lumens (after diffuser lens) at operating temp

Some manufactures rate lumens at 25deg C at source. Nichia = 900lm at source
CRI = is how colors look compared to sun which is 100
Color Temperature K= Kelvin is the mixture of Blue and Red to make a color
Lifetime hours = LM80 which means that LED is tested at working temperature in finished until so light and color will not change. Also know as Lumen Maintenance



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