



TWM TRAFFIC CONTROL SYSTEMS

DayBright Plus Zebra



ILLUMINATED Retro-fit Zebra Crossing Equipment (Patent Number: GB2497767 and GB2515216)

Introducing the DayBright Plus, which is a new range of retrofit LED products designed to give drivers and pedestrians enhanced visibility of pedestrian crossings. This product, when fitted to an existing pedestrian crossing post, gives 24 hour high performance illumination in all conditions, especially bright sunlight.

Traditionally, internally illuminated zebra crossing poles are only truly effective during the hours of darkness, daytime visibility being virtually non-existent, offering little or no conspicuous value. In today's crowded street scene the DayBright Plus LED halo beacon and LED illuminated white bands provide exceptional enhancement to the visibility of the crossing.

The DayBright range of products is available in kit form and can be retro-fitted to any standard or illuminated zebra crossing post in less than one hour without the need for any civil work.

300mm Diameter Super Bright Adjustable LED Beacon Head

This super bright LED beacon halo has been designed to give phenomenal illumination during bright sunny days yet dims down at night to reduce glare through an automatic light dimming photo cell. The halo has over 110 high powered amber directional LEDs on each side.

The viewing angle of each halo can be changed to suit the layout of the road which eliminates any directional blind spots. The head can replace any traditional zebra beacon. The aluminium shield housing is vandal resistant and is fixed to the post through a secure concealed fitment. The beacon can easily be fitted to a 76, 89 or 114mm diameter post.

The globe has been developed to provide a higher visibility solution, the hi-glow beacon is manufactured from polyethylene and the colour pigments and compounds used provide a high level of luminescence for daytime and night-time visibility, even in poor weather conditions. The globe is illuminated by 90 cool white LEDs giving an effective all round even illumination with no black spots. The DayBright Plus beacon can be purchased as a standard post top arrangement or complete with the DayBright LED runner strips.



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Electrical Data

Rating	230VAC, 50/60Hz stepped down by internal transformer to 12VDC
Power Consumption	Low power design
Peak (All LEDs active)	Design dependent
UMSUG Code	7950 016 001100

Head Material

Shield	3mm aluminium
LED Sections	Pre-formed 3mm aluminium directionally adjustable
Colour	Black
Size	275mm internal diameter, 425mm external diameter
Fixing	Post top spigot to suit 76, 89 or 114mm post
Weight	11kg
Protection Degree	IP54
Operating Temp	-15°C to + 60°C

Runner Material

Gear Tray	3mm aluminium "T" section
Enclosure	3mm pre-formed aluminium
Colour	Powder coated black and white
Lens	UV stabilised clear polycarbonate
Size	To suit 76, 89 or 114mm post
Fixings	M6 button head security type
White Bands	To suit 2, 3 or 4 band post
Protection Degree	IP54
Operating Temp	-15°C to + 60°C

LEDs

Brand (Head Ring)	Amber cree 5mm round LED
Brand (Runner)	White cree 5mm round LED
Viewing Angle	30°
Operating Temp	-40° to +95°
Life Span	Over 50,000hrs

Dimming

Head Ring	2 stage (day or night)
Globe	1 stage
Runners	4 stage (ambient controlled)

Optical – Beacon Globe

Mean Luminance	427 cd.m ⁻²
Uniformity	0.82

Patent

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