



TWM TRAFFIC CONTROL SYSTEMS

DayBright PLUS Midpost Arrangement



ILLUMINATED Retro-fit Zebra Crossing Equipment (Patent Number: GB2524823 and GB2515216)

This super bright LED mid-post 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 mid-post arrangement or complete with the DayBright LED runner strips

Key Features:

- ✓ Exceptional Daylight illumination
- ✓ Longer visibility distances for drivers
- ✓ Enhanced pedestrian safety
- ✓ Enhanced conspicuity
- ✓ Automatic dimming
- ✓ Easily retro-fitted without civil/excavation work
- ✓ Long life Low energy LED design
- ✓ UMSUG Coded 7950 016 001100
- ✓ Quick & easy maintenance access
- ✓ 300mm Diameter super bright LED Band
- ✓ Fully shielded
- ✓ Directionally adjustable viewing angle
- ✓ Secure concealed post fitment
- ✓ Vandal resistant

Options:

- ✓ 2/3 or 4 super bright LED White Bands



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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

Patent Numbers	GB2497767 and GB2515216
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