



TWM TRAFFIC CONTROL SYSTEMS

DayBright PLUS

Enhanced Pedestrian Crossing HALO Solution

Designed with safety in mind, the DayBright PLUS HALO system gives drivers and pedestrians enhanced visibility of the crossing which give drivers increased time to stop safely. The unique design allows for the two HALO units in each head to be independently commissioned on site to gain maximum visibility and increase safety.

Flexibility in options allow for the DayBright PLUS to be fitted to any existing crossing infrastructure, lamp column or floodlight mid post arrangement to give a quick and easy upgrade to the network. The option of an offset bracket arrangement give a complete solution to any new or current crossings.

Stage dimming functionality means that the unit dynamically adjusts to suit the surround light levels using PEC technology or can be integrated with any Central Management Systems already in use. The DayBright PLUS 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 civils work. Our patented Retro-Fit strip kit allow for the upgrade of a standard post installation to an illuminated system.

The versatile solution suits any private or public applications where pedestrians and vehicles may interact.

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
- ✓ 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
- ✓ Mid post
- ✓ Offset bracket



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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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