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CDT PEDESTRIAN LANTERN  
200MM 2 ASPECT

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## BRAUMS Advanced LED Pedestrian Lantern with Count Down Timer (CDT) - 2 Aspect.

Our advanced design features the World Leading SWARCO FuturLED3R Optical System for the Green Walkman, and the BRAUMS-designed Surface mount LED RED Standman and Yellow Count Down Timer Display. These displays are housed in BRAUMS' slim and lightweight housing, designed exclusively for LED Traffic Signals.

The advanced low profile housing design in either UV stabilised polycarbonate or pressure die-cast aluminium improves aesthetics, makes installation safer, and is fully compliant with all relevant Australian & New Zealand standards ensuring that all compliant mounting hardware and visors are interchangeable.

### Key Features and Benefits

- BRAUMS lanterns utilise the FuturLED3R Optical System from SWARCO FUTURIT for the Green Walkman:
  - Central light source HPSM LED's with very uniform signal display without visible LED dots or visible LED dot failures.
- All products traceable by serial number.
  - Advanced thermal design optimises heat dissipation and minimises degradation.
  - IP65 rated optical enclosure.
  - AS2144 compliant.
  - Available in 240Vac or 42Vac.
- BRAUMS Red Standman and Yellow Countdown Timer optical system:
  - High intensity 1206 surface mounted LED's with narrow viewing angle.
  - Increased brightness at low current for long life.
  - IP65 rated optical enclosure.
  - Available in 240Vac or 42Vac.
- Housings are available in either injection moulding UV stabilised polycarbonate or pressure die-cast aluminium.
  - Housings are rated to IP35 (optical system is IP65).
  - Our slimline housings are made from mouldings and not fabricated, ensuring a consistently manufactured product of the highest quality.
  - Housings are single aspect enabling modular assembly and configuration.
  - Dual hinged doors for left or right opening. Easy single handed operation.
  - Discreet locking device included for hinges if required.
  - Accommodate all AS/NZS 2144 compliant signalling hardware accessories.



### General Description

The BRAUMS 2 aspect CDT consists of:

- A standard green walk symbol in the lower section of the housing; and
- A composite red standman and yellow count down timer in the upper section of the housing.

When in the non count down mode the green walk symbol and the red standman will operate as a standard 2 aspect pedestrian lantern, that will display the solid green walk symbol, followed by the flashing red standman, followed by the solid red standman.

This cycle will continue until the count down module has determined the maximum count value to be displayed in place of the flashing red standman symbol.

When the count down module has learned the time period of the flashing standman, the mode changes to count down timer mode.

In this mode the green walk symbol is displayed as normal, followed by the count down sequence, starting at the maximum count learned in the previous cycle, followed by the solid red standman symbol.

On each cycle the time period of the flashing red standman is recalculated, to allow the count down system to adjust for changes in the clearance period of the personality.

If a change in the clearance period is detected the count down system will display the solid standman, when the red control voltage is detected at a non flashing steady voltage.

If the change in the clearance period is in the other direction, the display will change from yellow count down to flashing standman for the remainder of the clearance period.

On the next and subsequent cycles, the re-learned maximum count value will be applied.

### Display LED Configuration:

The BRAUMS Count Down Timer LED Display is configured with all sections consisting of 4 LED Strings, with current balancing resistors.

This will reduce the loss of total LEDs with a single LED failure.

### Display LED Type:

The LED display is done using 1206 Surface Mounted LEDs, of a high intensity type, with a narrow viewing angle.

This increases the brightness in the desired viewing direction and reduces the brightness rapidly from the side viewing angle.

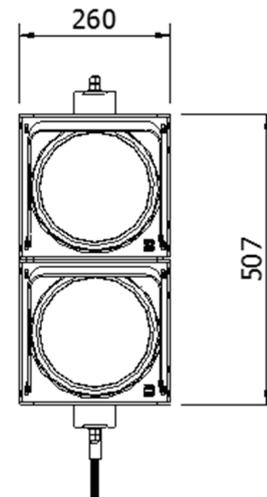
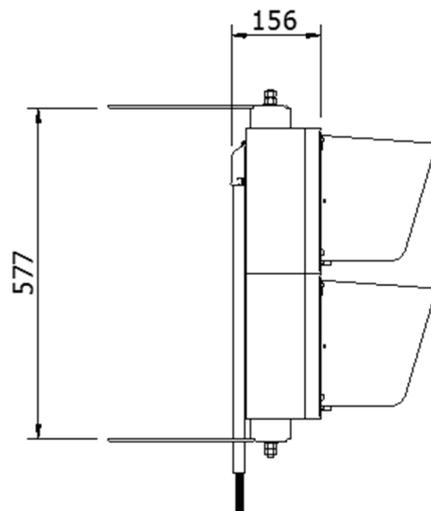
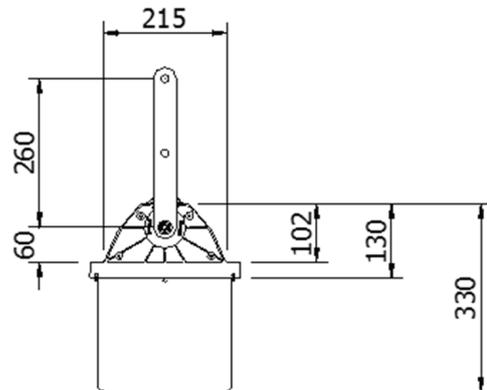
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## CDT PEDESTRIAN LANTERN - 200MM 2 ASPECT

200mm Pedestrian Count Down Timer Lantern				
Colour	Power (W)	Chromaticity coordinates (x,y)		Luminance (cd/m <sup>2</sup> )
		X	Y	
Yellow Count Down Timer	6.5	0.568	0.43	
Red Pedestrian	6.5	0.698	0.307	Per AS2144
Green Pedestrian	5.6	0.102	0.598	

200mm Pedestrian CDT Lantern	
Lantern Weights	(kg)
Plastic 2 Aspect	7.236
Aluminium 2 Aspect	8.336



Quality  
ISO 9001



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BRAUMS Pty Ltd

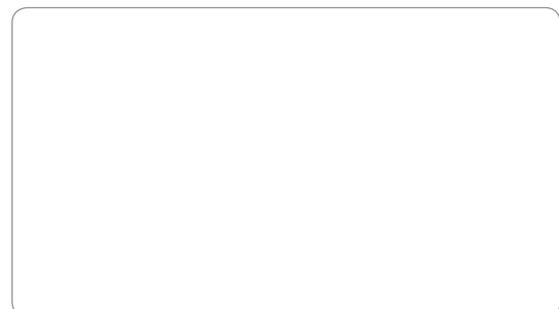
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CDT PEDESTRIAN LANTERN  
200MM 3 ASPECT

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## BRAUMS Advanced LED Pedestrian Lantern with Count Down Timer (CDT) - 3 Aspect.

The BRAUMS advanced design features the World Leading SWARCO FuturLED3R Optical System for the Green Walkman and Red Standman, and the BRAUMS designed Surface mount LED White Count Down Timer Display. These displays are housed in the BRAUMS slim and lightweight housing that has been designed exclusively for LED Traffic Signals.

The advanced low profile housing design in either UV stabilised polycarbonate or pressure die-cast aluminium improves aesthetics, makes installation safer, easier and is fully compliant with all relevant Australian & New Zealand standards ensuring that all compliant mounting hardware and visors are interchangeable.

### Key Features and Benefits

- BRAUMS lanterns utilise the FuturLED3R Optical System from SWARCO FUTURIT for the Green Walkman and Red Standman:
  - Central light source HPSM LED's with very uniform signal display without visible LED dots or visible LED dot failures.
  - All products traceable by serial number.
  - Advanced thermal design ensuring optimum heat dissipation and minimum degradation.
  - IP65 rated optical enclosure.
  - AS2144 compliant.
  - Available in 240Vac or 42Vac.
- BRAUMS White Countdown Timer optical system:
  - High intensity 1206 surface mounted LED's with narrow viewing angle.
  - Increased brightness at low current for long life.
  - IP65 rated optical enclosure.
  - Available in 240Vac or 42Vac.
- Housings are available in either injection moulding UV stabilised polycarbonate or pressure die-cast Aluminium.
  - Housings are rated to IP35 (optical system is IP65).
  - Our slimline housings are made from mouldings and not fabricated, ensuring a consistently manufactured product of the highest quality.
  - Housings are single aspect allowing modular assembly and flexible configuration.
  - Dual hinged doors for left or right opening. Easy single handed operation.
  - Discreet locking device included for hinges if required.
  - Accommodate all AS/NZS 2144 compliant signalling hardware accessories.



### General Description

The BRAUMS 3-Aspect Count Down Timer consists of:

- A standard green walk symbol in the lower section of the housing
- A standard red standman symbol in the middle section of the housing; and
- A white count down timer in the upper section of the housing.

When in the non-count down mode the green walk symbol and the red standman will operate as a standard 2 aspect pedestrian lantern, that will display the solid green walk symbol, followed by the flashing red standman, followed by the solid red standman.

This cycle will continue until the count down module has determined the maximum count value to be displayed in addition to the flashing red standman symbol.

When the count down module has learned the time period of the flashing standman, the mode changes automatically to count down timer mode.

In this mode the green walk symbol is displayed as normal, followed by the flashing standman symbol and count down sequence, starting at the maximum count learned in the previous cycle, followed by the solid red standman symbol.

On each cycle the time period of the flashing red standman is recalculated, to allow the count down system to adjust for changes in the clearance period of the personality.

If a change in the clearance period is detected the count down system will display the solid standman, when the red control voltage is detected at a non-flashing steady voltage.

If the change in the clearance period is in the other direction, the display will change from white count down to solely flashing standman for the remainder of the clearance period.

On the next cycle and subsequence cycles, the re-learned maximum count value will be applied.

### Display LED Configuration:

The BRAUMS Count Down Timer LED Display is configured with all sections consisting of 4 LED Strings, with current balancing resistors.

This will reduce the loss of total LEDs with a single LED failure.

### Display LED Type:

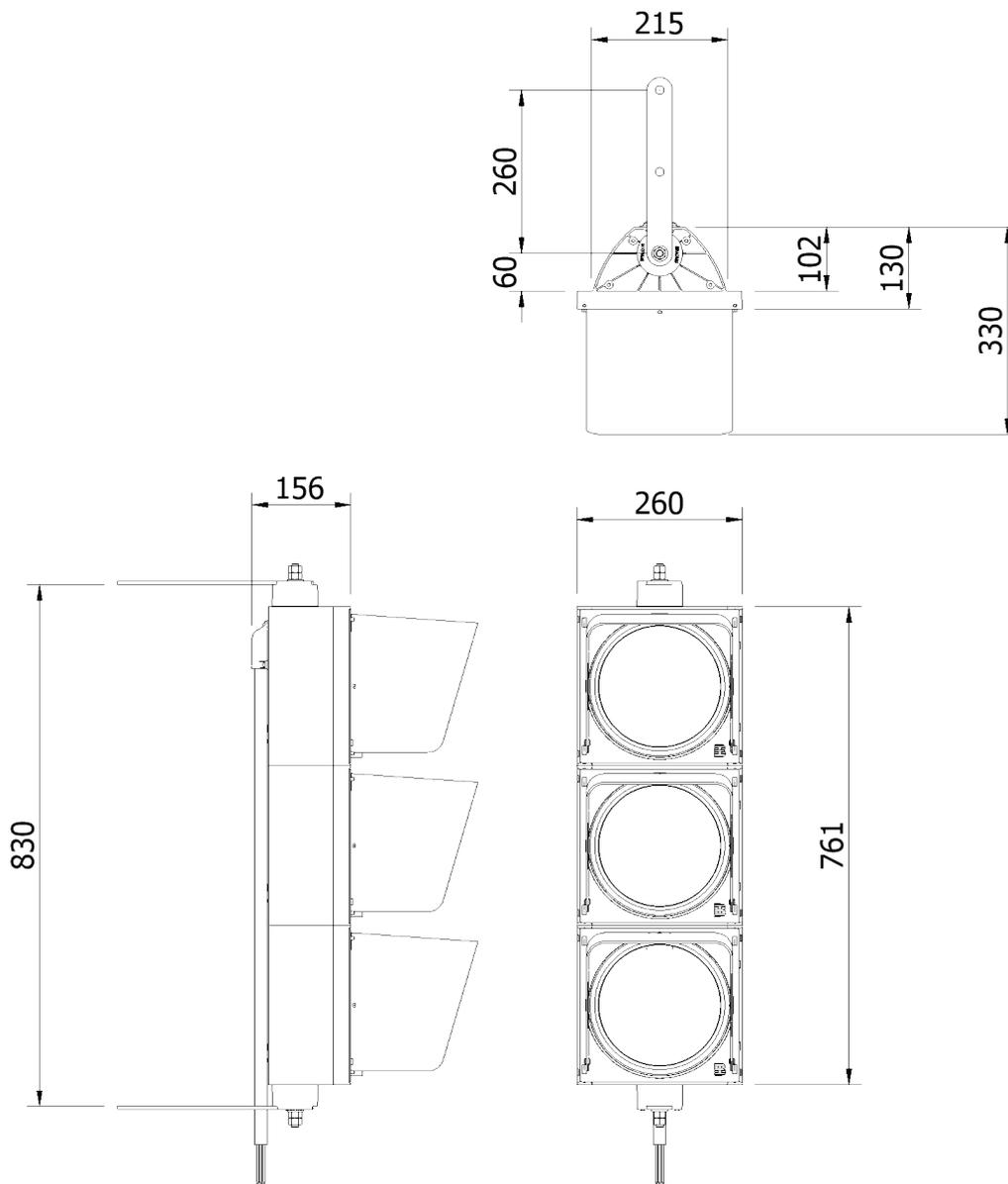
The LED display is done using 1206 Surface Mounted LEDs, of a high intensity type, with a narrow viewing angle.

This increases the brightness in the desired viewing direction and reduces the brightness rapidly from the side viewing angle.

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## CDT PEDESTRIAN LANTERN - 200MM 3 ASPECT



Quality  
ISO 9001



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