

## LD10236

### DOUBLE OUTPUT SURFACE MOUNTED WALL WASHER



The LD10236 is a powerful double output surface mounted fitting, designed for interior and exterior wall washing applications. It can be specified with a wide range of options allowing it to suit most project requirements. Available LED engines include E2, Tunable White, RGBW and F1, which offer a range of colour temperatures between 2200K-5000K, with multiple beam angles and paint finishes to choose from. The fitting emits a beam at both the top and bottom and houses a matt black inner baffle with two recessed LEDs that are held in place by anti-glare rings for a low glare illumination. The LD10236 body is a machined billet of aluminium offering a robust and minimal design with a large selection of paint finishes available as well as discreet fixing options, that will allow it to blend into many environments. This is a very tough, high quality fitting, machined from high grade materials, ensuring excellent thermal and light output performance.



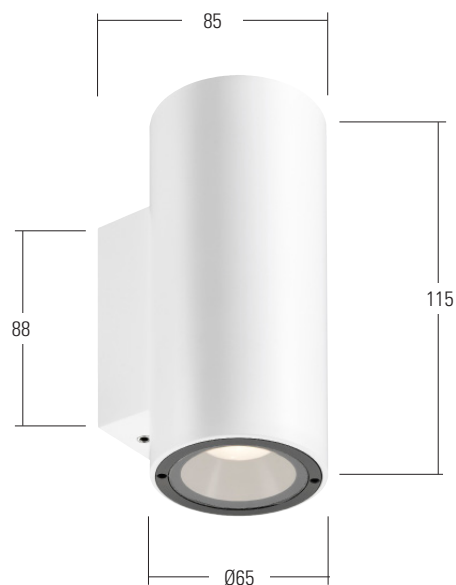
## KEY FEATURES

- > E2 engine featuring the CREE LED, delivering up to 474 lumens (X2) in 3000K with 2-step binning and built in reverse polarity protection
- > Available with F1, RGBW and Tunable White LED engines and optional 2nd channel LEDs for secondary lighting applications
- > Features two LEDs pointing up and down, recessed in a matt black anodised body for reduced glare
- > Range of beam angles including a narrow 10° spot for lighting columns and arches, or a 15°x 49° spreader lens, which is ideal for wall washing applications
- > Single optic with matt black inner baffle produces a very consistent beam with no multiple shadows
- > Body is a machined solid billet of aluminium
- > Paint finishes include: White (RAL 9016), Silver, Anthracite Grey (RAL 7016), Black (RAL 9005), Antique Bronze, Satin Antique Brass, Satin Brass or any RAL finish
- > Discreet fixing with two grub screws behind the body
- > Available with Switched, 0-10V, Casambi, DMX, Dali or Mains dimmable driver




## DIMENSIONS

Dimensions in mm

For fitting and accessory dimensions please go to page 4.



WHITE LED ENGINE SPECIFICATION

| Engine                               |  E2 x 2 |             |  F1 x 2 |            |               |
|--------------------------------------|--|-------------|--|------------|---------------|
| Beam angles                          | 10°, 19°, 34°, 54°, 15°x 49°   |             | 25°, 37°, 65°, 18°x 45°.   |            |               |
| LED manufacturer                     | CREE   |             | CREE   |            |               |
| Colour temperature*                  | 2700K / 3000K / 4000K / 5000K  |             | 2200K  |            |               |
| Current                              | 350mA  | 500mA       | 350mA  | 500mA      | 700mA         |
| LED power (Max)                      | 8.4W (10W**)   | 12W (14W**) | 6.4W (7W**)  | 9W (10W**) | 12.6W (14W**) |
| Delivered lumens (L <sub>100</sub> ) | 784  | 948         | 490  | 610        | 812           |
| Lumens per circuit watt              | 79   | 68          | 70   | 61         | 58            |
| CRI (Min)                            | 85   |             | 90   |            |               |
| Forward voltage (V <sub>100</sub> )  | 28V  |             | 18V  |            |               |
| Colour consistency                   | 2 SCDM   |             | 3 SCDM   |            |               |
| Peak intensity                       | 4727 cd  |             | 1641   |            |               |
| LED lumens                           | 1328   |             | 1246   |            |               |
| LOR                                  | 0.72   |             | 0.59   |            |               |
| TM30                                 | RF85   | RG98        | RF90   | RG103      |               |
| UGR***                               | 8.0  |             | 8.1  |            |               |
| LED lifetime                         | L90B5 at 90,000hrs   |             |  |            |               |
| Applications                         |       |             |  |            |               |

These values are based around a LD10236-E2-700-LW30-NB & LD10236 -F1-700-LW22-MSB

\*see lumen variance table to the right

\*\*indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver





\*\*\*UGR values based on room parameters of 4H 8H, C70 W50 F20

| Lumen variance by CCT |        |
|-----------------------|--------|
| 2700K                 | +/- 0% |
| 4000K                 | +7%    |
| 5000K                 | +16%   |

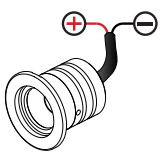
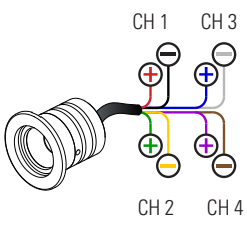
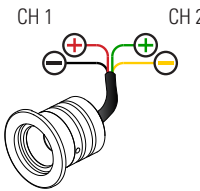
MECHANICAL

|                     |   |
|---------------------|---|
| Ambient temperature | -20° to 45° (350mA) or -20° to 35° (500mA)  |
| Glass               | Low iron glass 3mm thick  |
| Materials           | Anodised aluminium body, with stainless steel fixing brackets                     |
| Weight of product   | 1.26kg  |
| IP rating           | IP67  |
| IK rating           | IK08  |
| Wiring              | In-series constant current wiring (pre-wired with 2 core cable at a length of 1m) |

COLOUR & DYNAMIC LED ENGINE SPECIFICATION

|                    |   |  |  |
|--------------------|---|--|--|
| Engine             |  CL - Colour x 2 |  RGBW x 2 |  TW - Tunable White x 2 |
| Beam angles        | 24°, 38°, 54°, 20° x 46°  | 38° colour mix lens  | 24°, 38°, 54°, 20° x 46°   |
| LED manufacturer   | CREE  | CREE   | CREE   |
| Colour temperature | Red, Green, Blue, Amber   | Red, Green, Blue, 4000K White  | Warm White 2700K or 3000K   Cool White 4000K or 5000K  |
| Current            | 700mA   | 350mA   500mA  | 500mA  |
| LED power (Max)    | 28W   | 7W   10W   | 12.6W (14W*)<br>7W per channel   |
| Applications       |                  |  |  |

MECHANICAL

|                   |  |   |  |
|-------------------|--|---|--|
| Glass             | Low iron glass 3mm thick   |   |  |
| Materials         | Anodised aluminium body, with stainless steel fixing brackets  |   |  |
| Weight of product | 1.26kg   |   |  |
| IP rating         | IP67   |   |  |
| IK rating         | IK08   |   |  |
| Wiring            | <p><b>CL</b> - 2 core cables at 1m in length</p>  | <p><b>RGBW</b> - 8 core cables at 1m in length</p>  | <p><b>TW</b> - 4 core cables at 1m in length</p>  |

**AVAILABLE FINISHES**

*Please refer to our finishes guide for full details*

The LD10236 body is a machined single billet of aluminium and is painted in-house at LightGraphix. Paint finishes are suitable for interior and exterior use on surface mounted products. Our standard colours are below but we can accommodate any RAL request.



SILVER ANODISED



ANTIQUÉ BRONZE



SATIN ANTIQUÉ BRASS



SATIN BRASS



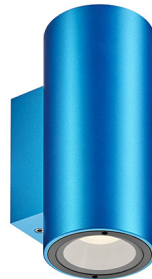
BLACK (RAL 9005)



ANTHRACITE GREY (RAL 7016)



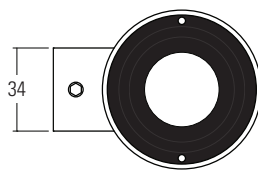
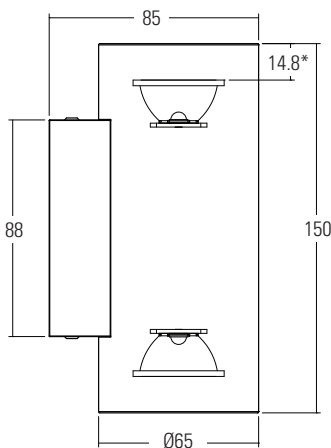
WHITE (RAL 9016)



RAL

**DIMENSIONS**

*Dimensions in mm*



\* 4.3mm when using the taller RGBW optic

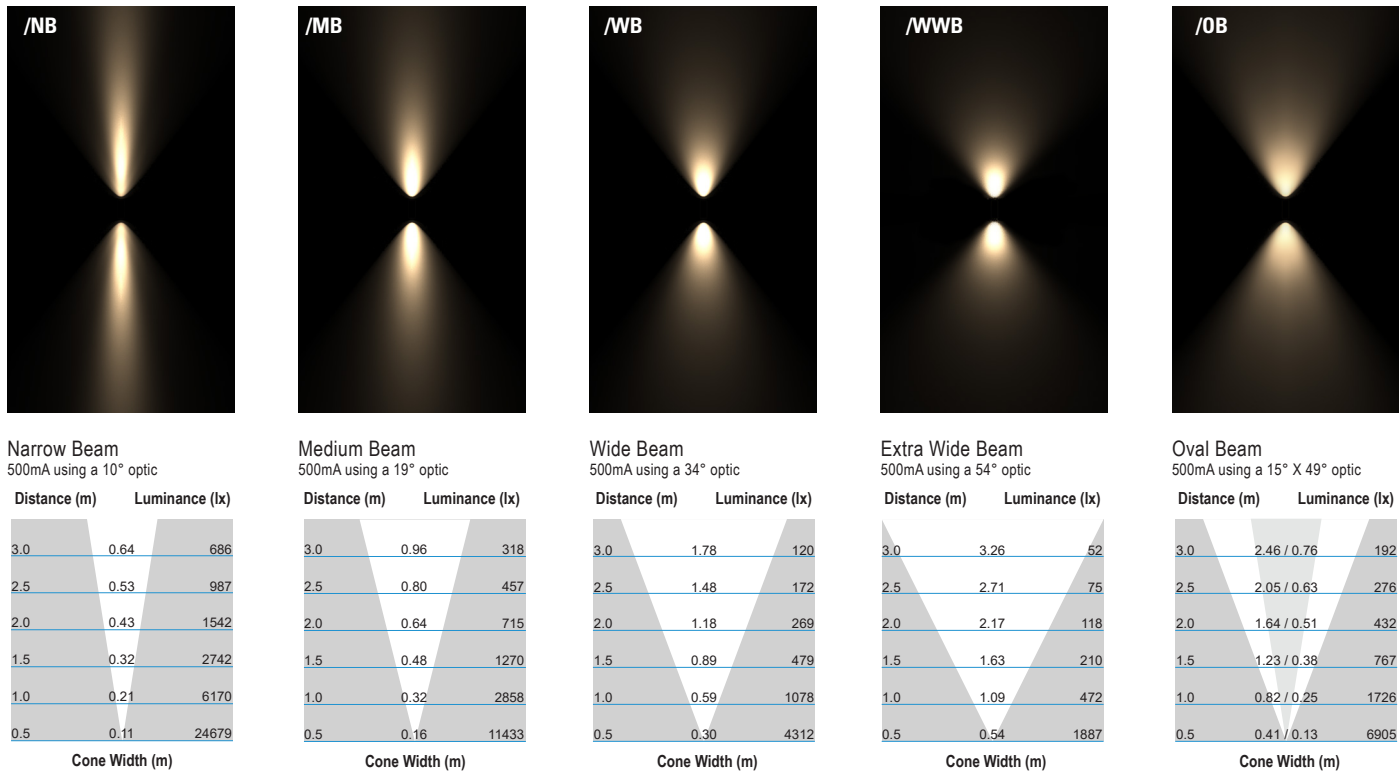


Design: Stan Baxter Lighting Design  
Project: Private Residence  
Product: LD10236

CONE DIAGRAMS

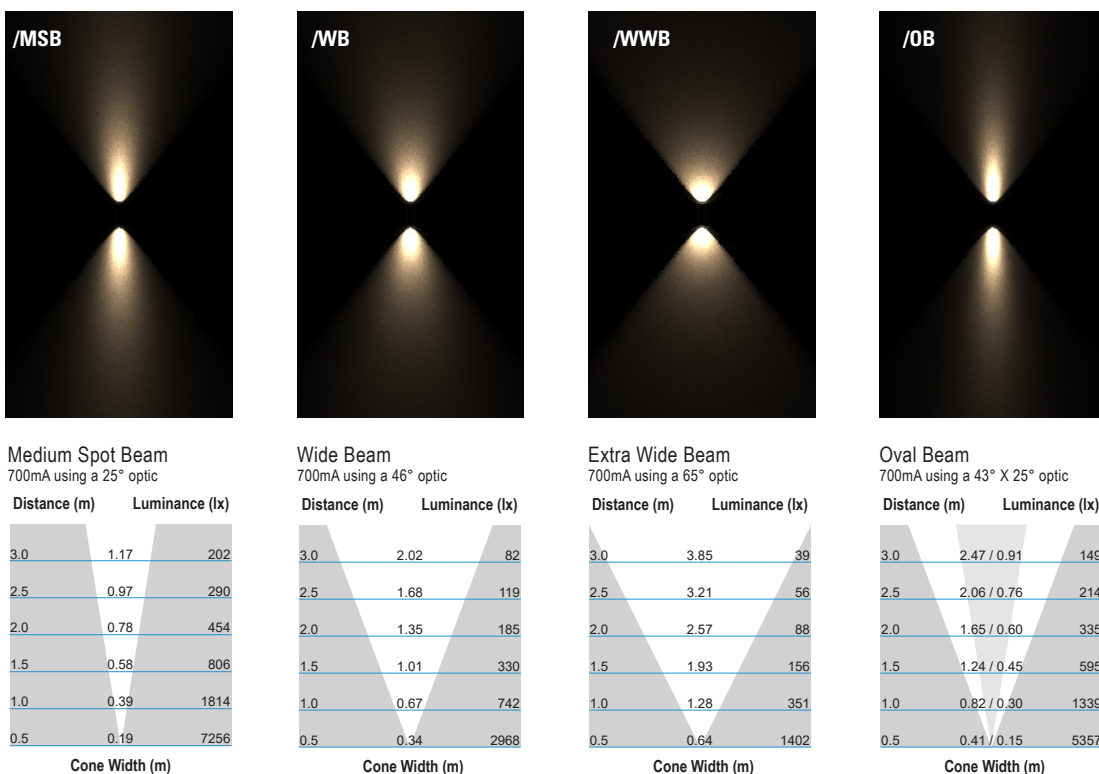
E2 LED Engine

Cone diagrams below are based on a 3000K E2 LED engine run at maximum output 500mA in one direction. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10236 product page on the website.



F1 LED Engine

Cone diagrams below are based on a 2200K F1 LED engine run at maximum output 700mA in one direction. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10236 product page on the website.



ORDER CODES & OPTIONS

Example: LD10236-E2-500 / LW30 / NB / Silver Anodised

|                              |   |            |   |            |   |        |
|------------------------------|---|------------|---|------------|---|--------|
| Light Engine & Drive Current | / | LED Colour | / | Beam angle | / | Finish |
| LD10236 -                    | / |            | / |            | / |        |

WHITE LED ENGINES

 E2

|                 |                |
|-----------------|----------------|
| 5W LED at 350mA | LD10236-E2-350 |
| 7W LED at 500mA | LD10236-E2-500 |

|                            |       |
|----------------------------|-------|
| Extra Warm White (2700K)   | /LW27 |
| Warm White (3000K)         | /LW30 |
| White (4000K) - on request | /LW40 |
| Cool White (5000K)         | /LW50 |

|                 |      |
|-----------------|------|
| 10° Narrow spot | /NB  |
| 19° Medium      | /MB  |
| 34° Wide        | /WB  |
| 54° Extra wide  | /WWB |
| 15° x 49° Oval  | /OB  |



 F1

|                   |                |
|-------------------|----------------|
| 3.5W LED at 350mA | LD10236-F1-350 |
| 5W LED at 500mA   | LD10236-F1-500 |
| 7W LED at 700mA   | LD10236-F1-700 |

|                          |       |
|--------------------------|-------|
| Super Warm White (2200K) | /LW22 |
|--------------------------|-------|

|                 |      |
|-----------------|------|
| 25° Medium spot | /MSB |
| 46° Wide        | /WB  |
| 65° Extra wide  | /WWB |
| 43° x 25° Oval  | /OB  |



COLOUR & DYNAMIC LED ENGINES

 CL

|                 |                |
|-----------------|----------------|
| 7W LED at 500mA | LD10236-CL-500 |
|-----------------|----------------|

|       |     |
|-------|-----|
| Red   | /LR |
| Green | /LG |
| Blue  | /LB |
| Amber | /LA |

|                |      |
|----------------|------|
| 24° Medium     | /MB  |
| 38° Wide       | /WB  |
| 54° Extra wide | /WWB |
| 20° x 46° Oval | /OB  |



 RGBW

|                   |                  |
|-------------------|------------------|
| 3.5W LED at 350mA | LD10236-RGBW-350 |
| 5W LED at 500mA   | LD10236-RGBW-500 |

|                     |
|---------------------|
| 38° Colour mix lens |
|---------------------|



 TW

|                   |                |
|-------------------|----------------|
| 3.5W LED at 350mA | LD10236-TW-350 |
|-------------------|----------------|

|   |              |
|---|--------------|
| Tunable White 2700K & 4000K (standard option) | /LW27 + LW40 |
| Tunable White 2700K & 5000K                   | /LW27 + LW50 |
| Custom  | /LW** + L**  |

|                |      |
|----------------|------|
| 24° Medium     | /MB  |
| 38° Wide       | /WB  |
| 54° Extra wide | /WWB |
| 20° x 46° Oval | /OB  |



|   |
|---|
| Drivers   |
| Use with 350mA, 500mA & 700mA constant current LED drivers<br>We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website. |