



The Richmond 5W LED street light is the perfect combination of aesthetic appeal and optimum illumination performance with an IP65 - IK08 rating.

Manufactured in the UK with the latest Osram LEDs and a choice of 4 optics to create the perfect lighting design.

Options available are Colour Temperature, Beam Angle, DALI, Mini Photocell, 3hr Emergency, AstroDIM, Spill Shield, and any painted RAL colour finish.

# Richmond 5W LED Street Light



## LED Street Lighting



### Features

- LED rating (Source lumens)  
758Lm (4000K / 6000K), 655Lm (3000K) and 635Lm (2700K).
- Luminaire flux (delivered lumens)  
682Lm (4000K / 6000K), 590Lm (3000K) and 571Lm (2700K).
- Total system watts 5cW.
- Luminaire efficacy up to 158Lm/cW.
- -20 to +40°C operating temperature (Emergency 0 to +40°C).
- Colour temperature options available are 2700K, 3000K, 4000K, 6000K.
- Control options available are DALI, Mini-Photocell, AstroDIM, and 3hr Emergency.
- Emergency Mode BLF 100%.
- Optional twin head mount available, contact sales for information.
- 5 Year Manufacturer's Warranty.

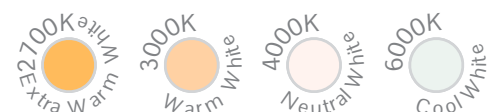
### Benefits

- IP65 / IK08 rated for robust durability in tough environments.
- LED Lifespan >100,000hrs L90B10.
- Osram LEDs and Osram Driver for trusted quality and reliability.
- Easy access to LED and Driver via a removable base plate for simple maintenance.
- Luminaire body made of die-cast aluminium for robust durability.
- Choice of 4 optics for the perfect lighting design.
- Optional Spill Shield (FIX-0487) for controlled light distribution.
- Any painted RAL colour finish to match project aesthetics.
- Recessed light source for less than 0.5% upward light ratio.
- Compliant with Dark Skies recommendations<sup>#1</sup>.
- Bat & Insect friendly<sup>#2</sup>.

### Painted Options



### Kelvin Options

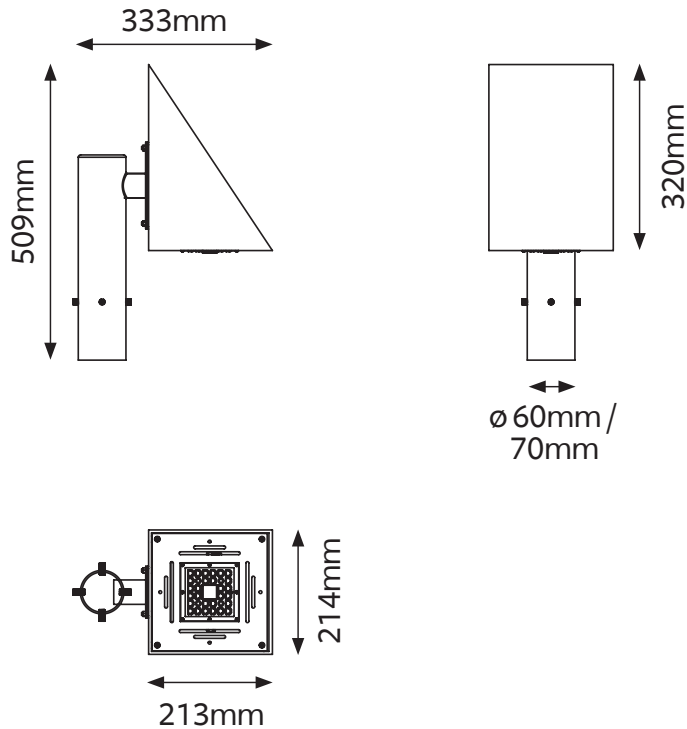


<sup>#1</sup> 3000K + DALI control / dimmable option.

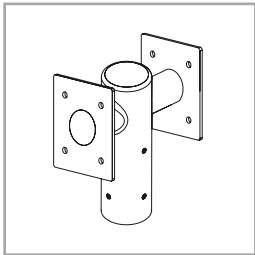
<sup>#2</sup> 2700K + DALI control / dimmable option.

\* 5 Year Manufacturer's Warranty.

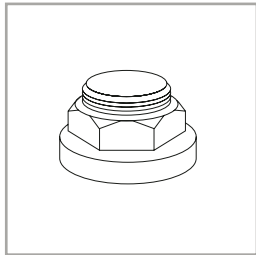
## Dimensions



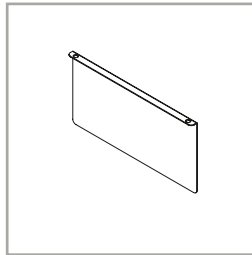
## Add-Ons



Twin Mount available, contact sales for information.



Integral Mini-Photocell option change code from '00' to '04'.



Spill Shields available, contact sales for information.

## Applications



Roads



Railway Stations



Parks & Gardens



Residential

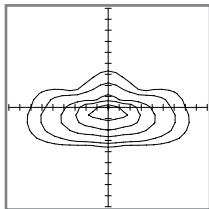
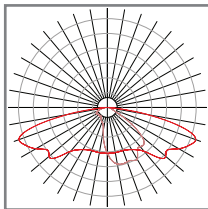


Retail

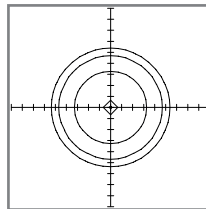
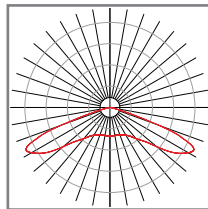


Security

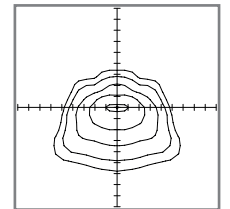
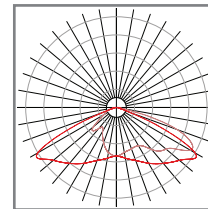
## Photometric Data



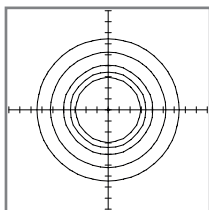
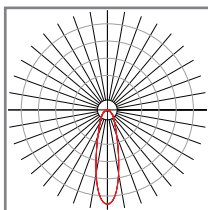
Optic 1 - Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths & residential roads.



Optic 2 - IESNA Type V (circular 360°) beam for wide area lighting such as car parks.



Optic 3 - Wide IESNA Type IV forward-throw beam for wide area lighting like car parks, play areas, yards & bays.



Optic 4 - 30° spot beam for architectural effect.

NB: photometric images are indicative.

## Need a Lighting Design?

We offer a free of charge design service, contact our team today: [studio@gemmalighting.com](mailto:studio@gemmalighting.com).

# Specifications

## Richmond 5W LED Wall Light

| Item Number                                                                                           | Description                                                | Light Source | LED Rating (Lm) | Total System Power (cW) |       |       |         | Voltage (VDC) | LED Drive Current (mA) | Luminaire Flux (Llm) | Luminaire Efficacy (Llm/cW) | Weight (Kg) | Spigot Size (mm) | Unit Colour |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------|-----------------|-------------------------|-------|-------|---------|---------------|------------------------|----------------------|-----------------------------|-------------|------------------|-------------|
|                                                                                                       |                                                            |              |                 | CCT (K)                 |       | CRI   |         |               |                        |                      |                             |             |                  |             |
| 5W - STANDARD - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                              |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-00GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-STD-RAL7024-76MM-OPTIC1           | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0N-00GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-STD-RAL7024-76MM-OPTIC1           | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0W-00GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-STD-RAL7024-76MM-OPTIC1           | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0X-00GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-STD-RAL7024-76MM-OPTIC1           | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8                           | 76          | GRAPHITE         |             |
| 5W - STANDARD - EMERGENCY - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                  |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-01GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-STD-E3-RAL7024-76MM-OPTIC1        | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0N-01GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-STD-E3-RAL7024-76MM-OPTIC1        | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0W-01GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-STD-E3-RAL7024-76MM-OPTIC1        | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0X-01GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-STD-E3-RAL7024-76MM-OPTIC1        | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8.5                         | 76          | GRAPHITE         |             |
| 5W - STANDARD - MINI-PHOTOCELL - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT             |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-04GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-STD-M/CELL-RAL7024-76MM-OPTIC1    | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0N-04GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-STD-M/CELL-RAL7024-76MM-OPTIC1    | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0W-04GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-STD-M/CELL-RAL7024-76MM-OPTIC1    | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0X-04GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-STD-M/CELL-RAL7024-76MM-OPTIC1    | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8                           | 76          | GRAPHITE         |             |
| 5W - STANDARD - MINI-PHOTOCELL - EMERGENCY - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-10GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-STD-M/CELL-E3-RAL7024-76MM-OPTIC1 | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0N-10GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-STD-M/CELL-E3-RAL7024-76MM-OPTIC1 | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0W-10GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-STD-M/CELL-E3-RAL7024-76MM-OPTIC1 | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0X-10GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-STD-M/CELL-E3-RAL7024-76MM-OPTIC1 | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8.5                         | 76          | GRAPHITE         |             |
| 5W - DALI - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                                  |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-20GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-DALI-RAL7024-76MM-OPTIC1          | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0N-20GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-DALI-RAL7024-76MM-OPTIC1          | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0W-20GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-DALI-RAL7024-76MM-OPTIC1          | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8                           | 76          | GRAPHITE         |             |
| RI5-A0X-20GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-DALI-RAL7024-76MM-OPTIC1          | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8                           | 76          | GRAPHITE         |             |
| 5W - DALI - DALI EMERGENCY - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                 |                                                            |              |                 |                         |       |       |         |               |                        |                      |                             |             |                  |             |
| RI5-A0C-21GH-76-1                                                                                     | RICHMOND-5W-LED-AC-6000K-DALI-DALI/E3-RAL7024-76MM-OPTIC1  | LED          | 758             | 5                       | 6000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0N-21GH-76-1                                                                                     | RICHMOND-5W-LED-AC-4000K-DALI-DALI/E3-RAL7024-76MM-OPTIC1  | LED          | 758             | 5                       | 4000K | RA>70 | 220-240 | 90            | 682                    | 136                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0W-21GH-76-1                                                                                     | RICHMOND-5W-LED-AC-3000K-DALI-DALI/E3-RAL7024-76MM-OPTIC1  | LED          | 655             | 5                       | 3000K | RA>80 | 220-240 | 90            | 590                    | 118                  | 8.5                         | 76          | GRAPHITE         |             |
| RI5-A0X-21GH-76-1                                                                                     | RICHMOND-5W-LED-AC-2700K-DALI-DALI/E3-RAL7024-76MM-OPTIC1  | LED          | 635             | 5                       | 2700K | RA>80 | 220-240 | 90            | 571                    | 114                  | 8.5                         | 76          | GRAPHITE         |             |

(table continued overleaf)

Specifications (Continued)

Richmond 5W LED Wall Light

| Item Number                                                                                            | Description                                                      | Light Source | LED Rating (Lm) | Total System Power (cW) | CCT (K) | CRI   | Voltage (VDC) | LED Drive Current (mA) | Luminaire Flux (Llm) | Luminaire Efficacy (Llm/cW) | Weight (Kg) | Spigot Size (mm) | Unit Colour |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------|-----------------|-------------------------|---------|-------|---------------|------------------------|----------------------|-----------------------------|-------------|------------------|-------------|
| 5W - DALI - MINI-PHOTOCELL - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                  |                                                                  |              |                 |                         |         |       |               |                        |                      |                             |             |                  |             |
| RI5-A0C-24GH-76-1                                                                                      | RICHMOND-5W-LED-AC-6000K-DALI-M/CELL-RAL7024-76MM-OPTIC1         | LED          | 758             | 5                       | 6000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8           | 76               | GRAPHITE    |
| RI5-A0N-24GH-76-1                                                                                      | RICHMOND-5W-LED-AC-4000K-DALI-M/CELL-RAL7024-76MM-OPTIC1         | LED          | 758             | 5                       | 4000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8           | 76               | GRAPHITE    |
| RI5-A0W-24GH-76-1                                                                                      | RICHMOND-5W-LED-AC-3000K-DALI-M/CELL-RAL7024-76MM-OPTIC1         | LED          | 655             | 5                       | 3000K   | RA>80 | 220-240       | 90                     | 590                  | 118                         | 8           | 76               | GRAPHITE    |
| RI5-A0X-24GH-76-1                                                                                      | RICHMOND-5W-LED-AC-2700K-DALI-M/CELL-RAL7024-76MM-OPTIC1         | LED          | 635             | 5                       | 2700K   | RA>80 | 220-240       | 90                     | 571                  | 114                         | 8           | 76               | GRAPHITE    |
| 5W - DALI - MINI-PHOTOCELL - DALI EMERGENCY - GRAPHITE GREY - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT |                                                                  |              |                 |                         |         |       |               |                        |                      |                             |             |                  |             |
| RI5-A0C-30GH-76-1                                                                                      | RICHMOND-5W-LED-AC-6000K-DALI-DALI/E3-M/CELL-RAL7024-76MM-OPTIC1 | LED          | 758             | 5                       | 6000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8.5         | 76               | GRAPHITE    |
| RI5-A0N-30GH-76-1                                                                                      | RICHMOND-5W-LED-AC-4000K-DALI-DALI/E3-M/CELL-RAL7024-76MM-OPTIC1 | LED          | 758             | 5                       | 4000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8.5         | 76               | GRAPHITE    |
| RI5-A0W-30GH-76-1                                                                                      | RICHMOND-5W-LED-AC-3000K-DALI-DALI/E3-M/CELL-RAL7024-76MM-OPTIC1 | LED          | 655             | 5                       | 3000K   | RA>80 | 220-240       | 90                     | 590                  | 118                         | 8.5         | 76               | GRAPHITE    |
| RI5-A0X-30GH-76-1                                                                                      | RICHMOND-5W-LED-AC-2700K-DALI-DALI/E3-M/CELL-RAL7024-76MM-OPTIC1 | LED          | 635             | 5                       | 2700K   | RA>80 | 220-240       | 90                     | 571                  | 114                         | 8.5         | 76               | GRAPHITE    |
| 5W - ASTRODIM - MINI PHOTOCELL - BLACK - 76MM SPIGOT - ARCHITECTURAL STREET LIGHT                      |                                                                  |              |                 |                         |         |       |               |                        |                      |                             |             |                  |             |
| RI5-A0C-64GH-76-1                                                                                      | RICHMOND-5W-LED-AC-6000K-ASTRO-M/CELL-RAL7024-76MM-OPTIC1        | LED          | 758             | 5                       | 6000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8           | 76               | GRAPHITE    |
| RI5-A0N-64GH-76-1                                                                                      | RICHMOND-5W-LED-AC-4000K-ASTRO-M/CELL-RAL7024-76MM-OPTIC1        | LED          | 758             | 5                       | 4000K   | RA>70 | 220-240       | 90                     | 682                  | 136                         | 8           | 76               | GRAPHITE    |
| RI5-A0W-64GH-76-1                                                                                      | RICHMOND-5W-LED-AC-3000K-ASTRO-M/CELL-RAL7024-76MM-OPTIC1        | LED          | 655             | 5                       | 3000K   | RA>80 | 220-240       | 90                     | 590                  | 118                         | 8           | 76               | GRAPHITE    |
| RI5-A0X-64GH-76-1                                                                                      | RICHMOND-5W-LED-AC-2700K-ASTRO-M/CELL-RAL7024-76MM-OPTIC1        | LED          | 635             | 5                       | 2700K   | RA>80 | 220-240       | 90                     | 571                  | 114                         | 8           | 76               | GRAPHITE    |

Legend:

Std = Standard. E3 = Emergency. M/Photocell = Mini Photocell. DALI = DALI Driver. DALI/E3 = DALI Emergency. Astro = AstroDIM Driver.  
X = 2700K (Extra Warm White). W = 3000K (Warm White) . N = 4000K (Neutral White). C = 6000K (Cool White).

Options:

Optic 2= Change ‘GH-76-1’ to ‘GH-76-2’. Optic 3= Change ‘GH-76-1’ to ‘GH-76-3’. Optic 4= Change ‘GH-76-1’ to ‘GH-76-4’.  
60mm Spigot = Change ‘76-1’ to ‘60-1’.  
AstroDIM = Default setting is 100% On / Dim to 30% at middle point of night.

## Project Example



## Looking for a Different LED Street Light?

We have a collection of LED street lights, with a range of outputs on our website:  
[www.gemmalighting.com/product-category/led-street-lighting/](http://www.gemmalighting.com/product-category/led-street-lighting/)



### Disclaimer:

All figures +/-10% and specified at 25°C ambient unless stated. Due to constant product development and improvements, Gemma Lighting Ltd reserves the right to change specifications without prior notification or public announcement. Information correct at the time of publication; V250403.

## Contact Us

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