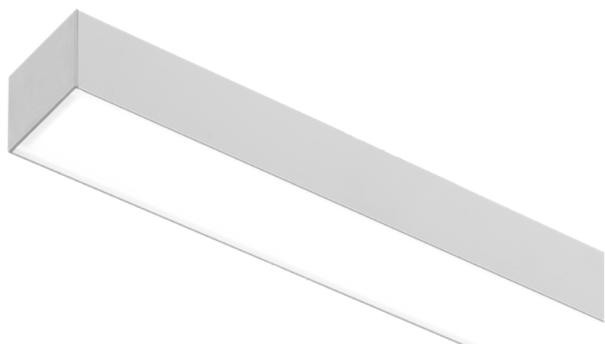


# Poem 50



The Poem 50 is a Surface/Suspended luminaire with minimal height of 38mm. The Poem 50 can be supplied in continuous lengths of 70mm increments. Each continuous module is driven by its own remote driver and emergency pack (if applicable) and therefore only a mechanical connection is required when linking to the next module.

The Poem 50 is supplied with the latest generation LED boards and programable driver allowing the luminaire to have a tuneable lumen output range from 500 to 7000lm.

The Poem 50 is available in a maximum single run length of 2958mm before multiple modules are used to create longer lengths.

## Product

|         |        |
|---------|--------|
| Poem 50 | POM/50 |
|---------|--------|

## Diffuser Option

|           |     |
|-----------|-----|
| Opal      | /F2 |
| Prismatic | /P1 |

## Module Type

|              |     |
|--------------|-----|
| Standalone   | 0   |
| Start        | 1   |
| Middle       | 2   |
| End          | 3   |
| Custom Shape | /CS |

## Lumen Output

|                  |       |
|------------------|-------|
| See table matrix | /**** |
|------------------|-------|

## Length\*

|                                     |       |
|-------------------------------------|-------|
| 574mm to 2954mm (*See table matrix) | /**** |
|-------------------------------------|-------|

## Colour Temperature

|               |     |
|---------------|-----|
| 3000K         | /3K |
| 4000K         | /4K |
| 6500K         | /6K |
| Tunable White | /TW |

## Standard Colours\*

|                                               |         |
|-----------------------------------------------|---------|
| Traffic White                                 | RAL9016 |
| Pure White                                    | RAL9010 |
| Jet Black                                     | RAL9005 |
| *Other colours available upon special request |         |

## Dimming

|                         |     |
|-------------------------|-----|
| Fixed output as default |     |
| DALI dimming            | -DA |
| Switch dim/Touch dim    | -TD |
| Casambi dimming         | -CA |

## Mounting

|                                              |    |
|----------------------------------------------|----|
| Surface mounted as default                   |    |
| Suspended - 2.0m suspension kit (adjustable) | -S |

## Sensor

|                            |     |
|----------------------------|-----|
| PIR & Daylight             | -S1 |
| Smart Mesh, PIR & Daylight | -S2 |

## Emergency

|                                                   |     |
|---------------------------------------------------|-----|
| No emergency facility as default                  |     |
| 3 hour internal pack                              | -E1 |
| 3 hour internal pack with self-test function      | -E2 |
| 3 hour integral pack with DALI reporting function | -E3 |

| Standalone Length (mm) | Start/End Length (mm) | Middle Length (mm) | Lumen Outputs (lm)<br>(Based on Prism 250mA) | Wattage (W)<br>(Based on Prism 250mA) | Performance (lm/cW)<br>(Based on Prism 250mA) |
|------------------------|-----------------------|--------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------|
| 574                    | 567                   | 560                | 970                                          | 7.30                                  | 132.95                                        |
| 644                    | 637                   | 630                | 1090                                         | 8.21                                  | 132.80                                        |
| 714                    | 707                   | 700                | 1210                                         | 9.12                                  | 132.68                                        |
| 784                    | 777                   | 770                | 1330                                         | 10.03                                 | 132.58                                        |
| 854                    | 847                   | 840                | 1450                                         | 10.94                                 | 132.49                                        |
| 924                    | 917                   | 910                | 1570                                         | 11.86                                 | 132.42                                        |
| 994                    | 987                   | 980                | 1690                                         | 12.77                                 | 132.36                                        |
| 1064                   | 1057                  | 1050               | 1810                                         | 13.68                                 | 132.31                                        |
| 1134                   | 1127                  | 1120               | 1930                                         | 14.59                                 | 132.26                                        |
| 1204                   | 1197                  | 1190               | 2050                                         | 15.50                                 | 132.22                                        |
| 1274                   | 1267                  | 1260               | 2170                                         | 16.42                                 | 132.19                                        |
| 1344                   | 1337                  | 1330               | 2290                                         | 17.33                                 | 132.16                                        |
| 1414                   | 1407                  | 1400               | 2410                                         | 18.24                                 | 132.13                                        |
| 1484                   | 1477                  | 1470               | 2530                                         | 19.15                                 | 132.10                                        |
| 1554                   | 1547                  | 1540               | 2650                                         | 20.06                                 | 132.08                                        |
| 1624                   | 1617                  | 1610               | 2770                                         | 20.98                                 | 132.06                                        |
| 1694                   | 1687                  | 1680               | 2890                                         | 21.89                                 | 132.04                                        |
| 1764                   | 1757                  | 1750               | 3007                                         | 22.80                                 | 131.89                                        |
| 1834                   | 1827                  | 1820               | 3130                                         | 23.71                                 | 132.00                                        |
| 1904                   | 1897                  | 1890               | 3250                                         | 24.62                                 | 131.99                                        |
| 1974                   | 1967                  | 1960               | 3370                                         | 25.54                                 | 131.97                                        |
| 2044                   | 2037                  | 2030               | 3490                                         | 26.45                                 | 131.96                                        |
| 2114                   | 2107                  | 2100               | 3610                                         | 27.36                                 | 131.94                                        |
| 2184                   | 2177                  | 2170               | 3730                                         | 28.27                                 | 131.93                                        |
| 2254                   | 2247                  | 2240               | 3850                                         | 29.18                                 | 131.92                                        |
| 2324                   | 2317                  | 2310               | 3970                                         | 30.10                                 | 131.91                                        |
| 2394                   | 2387                  | 2380               | 4090                                         | 31.01                                 | 131.90                                        |
| 2464                   | 2457                  | 2450               | 4210                                         | 31.92                                 | 131.89                                        |
| 2534                   | 2527                  | 2520               | 4340                                         | 32.83                                 | 132.19                                        |
| 2604                   | 2597                  | 2590               | 4460                                         | 33.74                                 | 132.17                                        |
| 2674                   | 2667                  | 2660               | 4580                                         | 34.66                                 | 132.16                                        |
| 2744                   | 2737                  | 2730               | 4700                                         | 35.57                                 | 132.14                                        |
| 2814                   | 2807                  | 2800               | 4820                                         | 36.48                                 | 132.13                                        |
| 2884                   | 2877                  | 2870               | 4940                                         | 37.39                                 | 132.11                                        |
| 2954                   | 2947                  | 2940               | 5060                                         | 38.30                                 | 132.10                                        |

## Lighting Data

|                        |                |
|------------------------|----------------|
| CCT                    | 3000K<br>4000K |
| Light Source           | SMD            |
| SDCM                   | 3              |
| Longevity (L70/B10)    | 70,000 Hours   |
| Colour Rendering (CRI) | 80             |
| UGR                    | <19.0          |

## Technical Data

|                  |                                             |
|------------------|---------------------------------------------|
| IP Rating        | IP20                                        |
| Construction     | Aluminium Body<br>Polycarbonate<br>Diffuser |
| Mounting Method  | Surface<br>2m Suspended                     |
| Protective class | SELV                                        |
| Warranty         | 5 Years                                     |
| Certification    | UKCA, CE, ROHS                              |

## Electrical Data

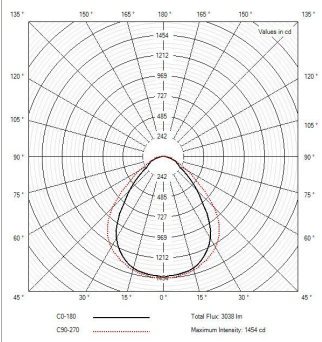
|                                           |            |
|-------------------------------------------|------------|
| Rated Supply Voltage                      | 220–240 V  |
| AC Voltage Range                          | 198–264 V  |
| Mains Frequency                           | 50/60 Hz   |
| Output LF current ripple @ 2KHz (Flicker) | <4%        |
| Overvoltage Protection                    | 320 V      |
| In-rush Current                           | 20.9 A     |
| THD                                       | <10%       |
| Power Factor                              | 98%        |
| Parasitic Load                            | 1.25W      |
| Operating Temperature                     | -25 +60 °C |

## Emergency Data

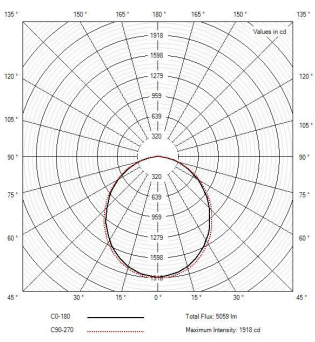
|                       |                                  |
|-----------------------|----------------------------------|
| Emergency Duration    | 3 Hours                          |
| Recharge Period       | 24 Hours                         |
| Battery Type          | LiFePO4 (Lithium Iron Phosphate) |
| Battery Pack          | 3 x 3.2V 1.5Ah                   |
| Parasitic Load        | 1.2W                             |
| Operating Temperature | 0–60 °C                          |
| Power Efficiency      | 95%                              |
| Certification         | CE, ROHS                         |

## Standard Photometry

Prism P1



Opal F2



## Dimensions

|                |                           |
|----------------|---------------------------|
| Fixing Centres | 500mm centres             |
| Dimensions     | 50 x 38mm profile section |
| Weight         | 3.4 kg/m                  |

