



Your partner in lighting technology

# PLUTO LED

## SL 123 / SL 124 Downlight Series



### Features & Benefits

Designed for surface mounted with high performance led light source. Surface mounted downlight provides optimal light distribution and energy savings.



### Application

Ideal for commercial building, lobby, conventional hall, ballroom, concourse.

### Optics

|                    |                       |
|--------------------|-----------------------|
| Reflector Material | Aluminium             |
| Diffuser Type      | Clear or Frosted PMMA |

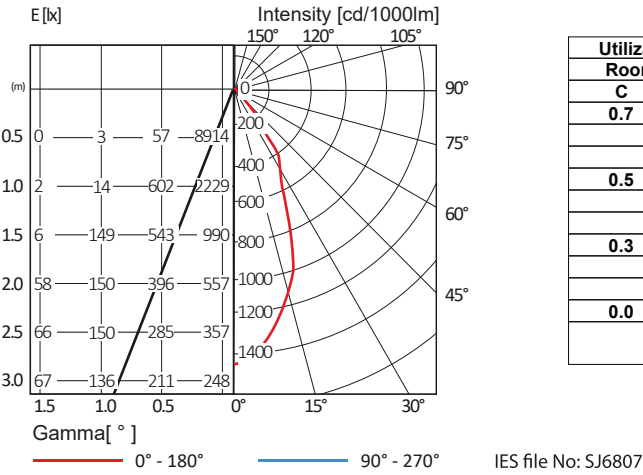
### Luminaire Product Description

|                           |                    |
|---------------------------|--------------------|
| Mounting                  | Surface            |
| Housing Material          | Aluminium          |
| Power Supply              | 220-240V 50/60Hz   |
| Operating Temperature     | 40°C               |
| Power Factor              | 0.9                |
| Total Harmonic Distortion | <20%               |
| Ingress Protection        | IP20               |
| Insulation Classification | Class I            |
| Life Cycle                | 30,000 / 50,000hrs |

### Control

|                 |                      |
|-----------------|----------------------|
| *Dimming Option | Fixed Output / 1-10V |
|-----------------|----------------------|

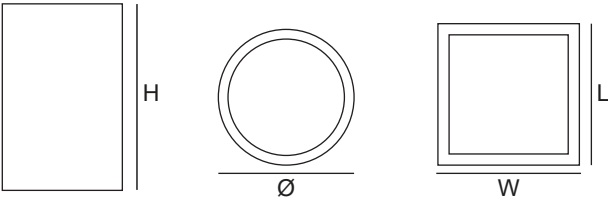
Photometric



TM5 Utilization Factors

| Utilization factors |     |     |              |    |      |              |     |     |         |     |     |
|---------------------|-----|-----|--------------|----|------|--------------|-----|-----|---------|-----|-----|
| Room reflection     |     |     | Room index   |    |      |              |     |     |         |     |     |
| C                   | W   | F   | 0.75         | 1  | 1.25 | 1.5          | 2   | 2.5 | 3       | 4   | 5   |
| 0.7                 | 0.5 | 0.2 | 83           | 90 | 94   | 97           | 102 | 104 | 106     | 108 | 110 |
|                     | 0.3 |     | 78           | 85 | 90   | 94           | 98  | 101 | 103     | 106 | 108 |
|                     | 0.1 |     | 75           | 82 | 87   | 91           | 95  | 99  | 101     | 104 | 106 |
| 0.5                 | 0.5 | 0.2 | 82           | 88 | 92   | 95           | 99  | 101 | 103     | 105 | 106 |
|                     | 0.3 |     | 78           | 84 | 89   | 92           | 96  | 99  | 100     | 103 | 104 |
|                     | 0.1 |     | 74           | 81 | 86   | 89           | 94  | 97  | 99      | 101 | 103 |
| 0.3                 | 0.5 | 0.2 | 81           | 87 | 90   | 93           | 96  | 98  | 100     | 101 | 102 |
|                     | 0.3 |     | 77           | 83 | 87   | 90           | 94  | 96  | 98      | 100 | 101 |
|                     | 0.1 |     | 74           | 81 | 85   | 88           | 92  | 94  | 96      | 99  | 100 |
| 0.0                 | 0.0 | 0.0 | 72           | 79 | 83   | 85           | 89  | 91  | 92      | 94  | 95  |
|                     |     |     | SHR NOM=0.75 |    |      | SHR MAX=0.87 |     |     | SHR MAX |     |     |
|                     |     |     | TR=0.87      |    |      |              |     |     |         |     |     |

Dimension



Order Information

| Model No.   | Dimension<br>(Ø xH) (LxWxH) (mm) | Driver Model    | Light Source<br>Model | CRI & CCT           | Nominal<br>Power (W) | Nominal<br>System Lumen Output (lm) | Nominal<br>System Efficacy (lm/W) |
|-------------|----------------------------------|-----------------|-----------------------|---------------------|----------------------|-------------------------------------|-----------------------------------|
| SL 123.3 RD | 111x110                          | VS /<br>Philips | VS COB                | 830/<br>840/<br>857 | 5                    | 600                                 | 120                               |
|             |                                  |                 |                       |                     | 9                    | 1000                                | 111                               |
|             |                                  |                 |                       |                     | 11                   | 1550                                | 140                               |
|             |                                  |                 |                       |                     | 14                   | 1700                                | 121                               |
| SL 123.4 RD | 130x130                          |                 |                       |                     | 14                   | 1700                                | 121                               |
|             |                                  |                 |                       |                     | 19                   | 2400                                | 126                               |
|             |                                  |                 |                       |                     | 24                   | 2900                                | 120                               |
|             |                                  |                 |                       |                     | 27                   | 3400                                | 125                               |
| SL 123.5 RD | 170x170                          |                 |                       |                     | 32                   | 3850                                | 120                               |
|             |                                  |                 |                       |                     | 34                   | 4300                                | 126                               |
|             |                                  |                 |                       |                     | 41                   | 4900                                | 119                               |
|             |                                  |                 |                       |                     | 49                   | 6000                                | 122                               |
| SL 123.6 RD | 195x195                          |                 |                       |                     | 5                    | 600                                 | 120                               |
|             |                                  |                 |                       |                     | 9                    | 1000                                | 111                               |
|             |                                  |                 |                       |                     | 11                   | 1550                                | 140                               |
|             |                                  |                 |                       |                     | 14                   | 1700                                | 121                               |
| SL 124.3 SQ | 90x90x90                         |                 |                       |                     | 14                   | 1700                                | 121                               |
|             |                                  |                 |                       |                     | 19                   | 2400                                | 126                               |
|             |                                  |                 |                       |                     | 24                   | 2900                                | 120                               |
|             |                                  |                 |                       |                     | 27                   | 3300                                | 122                               |
| SL 124.4 SQ | 111x111x110                      |                 |                       |                     | 32                   | 3700                                | 115                               |

Note : Subject to +/- 1.5mm

Other various types are available upon request.