

# LED PERFORMANCE STRIP IP65 G2



## Highlights:

- 24V DC input IP65 for both outdoor and indoor applications
- UV-resistant silicon material
- Color Rendering Index Ra 90
- Wide lumen output range from 460lm/m to 1880lm/m
- 50,000 hours (L70/B50) @45°C

## Application Areas:

- Architecture Outline
- Path lighting
- Kitchen cove lighting
- Bathroom lighting
- Other ambient lighting

## Advancing Light

LEDVANCE is one of the World's leaders in general lighting for lighting professionals as well as end users, offering



A broad variety of LED luminaires



Advanced LED lamps



Intelligent, networked Smart Home & Smart Building solutions



Traditional light sources



# LED PERFORMANCE STRIP IP65 G2



## Product Features:

- 24V DC low voltage input
- IP65 rated for outdoor and indoor applications
- 2700K, 3000K, 4000K, 5000K and 6500K available
- Color Rendering Index Ra 90
- Consistent lighting color <4 SDCM
- System efficacy up to 116lm/W
- Beam angle 110°
- CB certificate available, RoHS compliant
- Flexible and easy to install with 3M back tape and accessories
- Compatible to work with LEDVANCE 24V Driver and dimming controller

## Product Benefits:

- UV-resistant silicon material for best fit in outdoor application
- 140 LEDs per meter makes excellent uniform light output with stable performance
- Wide lumen output range from 460lm/m to 1880lm/m can meet different application requirements
- Shorter cuttable length (50mm) enables more flexibility on design
- Long lifetime 50,000 hours (L70/B50) @45°C leads to saving in maintenance



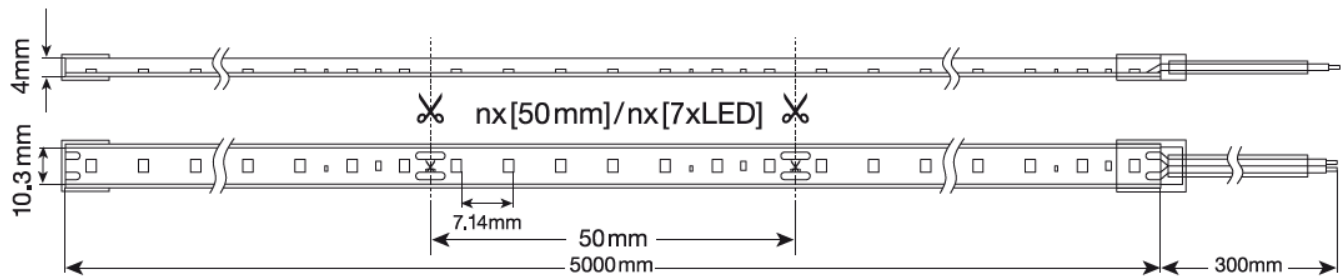
## Application Areas:

- Architecture Outline
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# Product Information

| LED PERFORMANCE STRIP IP65 G2 |                            | 4.5W/m                                           | 8.5W/m  | 12W/m   | 17W/m   |
|-------------------------------|----------------------------|--------------------------------------------------|---------|---------|---------|
| Electrical Data               | Input voltage              | 24VDC                                            | 24VDC   | 24VDC   | 24VDC   |
|                               | Current/meter              | 188mA                                            | 354mA   | 500mA   | 708mA   |
|                               | Wattage/meter              | 4.5W                                             | 8.5W    | 12W     | 17W     |
|                               | LED Qty (nos)/meter        | 140                                              |         |         |         |
|                               | Dimmable                   | With external PWM controller/ DALI driver (IP20) |         |         |         |
|                               | Protection class           | Class III                                        |         |         |         |
| Optical / Photometric         | Lumen/meter @2700K         | 460lm                                            | 850lm   | 1180lm  | 1610lm  |
|                               | Lumen/meter @3000K         | 480lm                                            | 900lm   | 1230lm  | 1670lm  |
|                               | Lumen/meter @≥4000K        | 520lm                                            | 990lm   | 1390lm  | 1880lm  |
|                               | Efficacy/meter @2700K      | 102lm/W                                          | 100lm/W | 98lm/W  | 95lm/W  |
|                               | Efficacy/meter @3000K      | 107lm/W                                          | 106lm/W | 103lm/W | 98lm/W  |
|                               | Efficacy/meter @≥4000K     | 116lm/W                                          | 116lm/W | 116lm/W | 111lm/W |
|                               | CCT                        | 2700K, 3000K, 4000K, 5000K, 6500K                |         |         |         |
|                               | CRI                        | >90                                              |         |         |         |
|                               | SDCM                       | <4                                               |         |         |         |
|                               | Beam angle                 | 110°                                             |         |         |         |
| Mechanical                    | Dimension/reel<br>L*W*H mm | 5000x10.5x4                                      |         |         |         |
|                               | Product weight/reel        | 260g                                             |         |         |         |
|                               | Housing material           | Silicone                                         |         |         |         |
|                               | Ingress protection         | IP65                                             |         |         |         |
|                               | Min. cuttable length       | 50mm                                             |         |         |         |
| Others                        | Rated lifetime             | 50,000 hrs L70 B50 @45°C                         |         |         |         |
|                               | ta                         | -20...+45°C                                      |         |         |         |
|                               | tc                         | 75°C                                             |         |         |         |

# Drawing/Dimensions



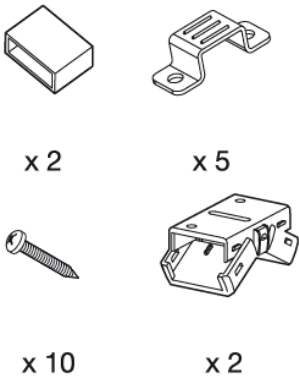
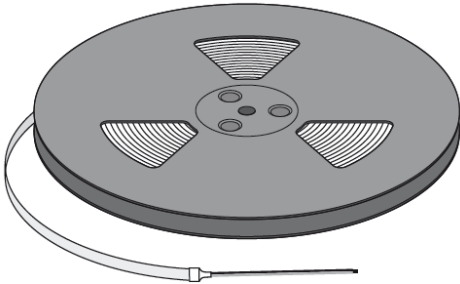


# Ordering Information

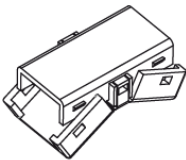
| Description                             | Model number                   | EAN50 Shipping quantity | EAN-10        | EAN-40        | EAN-50        |
|-----------------------------------------|--------------------------------|-------------------------|---------------|---------------|---------------|
| LM-SP-500-927-DC-P 22W 24V 10X1 G2 LEDV | LM-SP-500-927-DC-P 22W 24V G2  | 40                      | 4099854006661 | 4099854006678 | 4099854006685 |
| LM-SP-500-930-DC-P 22W 24V 10X1 G2 LEDV | LM-SP-500-930-DC-P 22W 24V G2  | 40                      | 4099854006692 | 4099854006708 | 4099854006715 |
| LM-SP-500-940-DC-P 22W 24V 10X1 G2 LEDV | LM-SP-500-940-DC-P 22W 24V G2  | 40                      | 4099854006722 | 4099854006739 | 4099854006746 |
| LM-SP-500-950-DC-P 22W 24V 10X1 G2 LEDV | LM-SP-500-950-DC-P 22W 24V G2  | 40                      | 4099854006753 | 4099854006760 | 4099854006777 |
| LM-SP-500-965-DC-P 22W 24V 10X1 G2 LEDV | LM-SP-500-965-DC-P 22W 24V G2  | 40                      | 4099854006784 | 4099854006791 | 4099854006807 |
| LM-SP-900-927-DC-P 43W 24V 10X1 G2 LEDV | LM-SP-900-927-DC-P 43W 24V G2  | 40                      | 4099854006814 | 4099854006821 | 4099854006838 |
| LM-SP-900-930-DC-P 43W 24V 10X1 G2 LEDV | LM-SP-900-930-DC-P 43W 24V G2  | 40                      | 4099854006845 | 4099854006852 | 4099854006869 |
| LM-SP-1000-940-DC-P 43W 24V 10X1 G2LEDV | LM-SP-1000-940-DC-P 43W 24V G2 | 40                      | 4099854006876 | 4099854006883 | 4099854006890 |
| LM-SP-1000-950-DC-P 43W 24V 10X1 G2LEDV | LM-SP-1000-950-DC-P 43W 24V G2 | 40                      | 4099854006906 | 4099854006913 | 4099854006920 |
| LM-SP-1000-965-DC-P 43W 24V 10X1 G2LEDV | LM-SP-1000-965-DC-P 43W 24V G2 | 40                      | 4099854006937 | 4099854006944 | 4099854006951 |
| LM-SP-1200-927-DC-P 60W 24V 10X1 G2LEDV | LM-SP-1200-927-DC-P 60W 24V G2 | 40                      | 4099854006968 | 4099854006975 | 4099854006982 |
| LM-SP-1200-930-DC-P 60W 24V 10X1 G2LEDV | LM-SP-1200-930-DC-P 60W 24V G2 | 40                      | 4099854006999 | 4099854007002 | 4099854007019 |
| LM-SP-1400-940-DC-P 60W 24V 10X1 G2LEDV | LM-SP-1400-940-DC-P 60W 24V G2 | 40                      | 4099854007026 | 4099854007033 | 4099854007040 |
| LM-SP-1400-950-DC-P 60W 24V 10X1 G2LEDV | LM-SP-1400-950-DC-P 60W 24V G2 | 40                      | 4099854007057 | 4099854007064 | 4099854007071 |
| LM-SP-1400-965-DC-P 60W 24V 10X1 G2LEDV | LM-SP-1400-965-DC-P 60W 24V G2 | 40                      | 4099854007088 | 4099854007095 | 4099854007101 |
| LM-SP-1600-927-DC-P 85W 24V 10X1 G2LEDV | LM-SP-1600-927-DC-P 85W 24V G2 | 40                      | 4099854007118 | 4099854007125 | 4099854007132 |
| LM-SP-1600-930-DC-P 85W 24V 10X1 G2LEDV | LM-SP-1600-930-DC-P 85W 24V G2 | 40                      | 4099854007149 | 4099854007156 | 4099854007163 |
| LM-SP-1900-940-DC-P 85W 24V 10X1 G2LEDV | LM-SP-1900-940-DC-P 85W 24V G2 | 40                      | 4099854007170 | 4099854007187 | 4099854007194 |
| LM-SP-1900-950-DC-P 85W 24V 10X1 G2LEDV | LM-SP-1900-950-DC-P 85W 24V G2 | 40                      | 4099854007200 | 4099854007217 | 4099854007224 |
| LM-SP-1900-965-DC-P 85W 24V 10X1 G2LEDV | LM-SP-1900-965-DC-P 85W 24V G2 | 40                      | 4099854007231 | 4099854007248 | 4099854007255 |

| Description                        | Model number             | EAN40 Shipping quantity | EAN-10        | EAN-40        |
|------------------------------------|--------------------------|-------------------------|---------------|---------------|
| Accessories                        |                          |                         |               |               |
| LM-S CONNECTOR LW FSIP65 5X20 LEDV | LM-S CONNECTOR LW FSIP65 | 100                     | 4099854005152 | 4099854005169 |
| LM-S CONNECTOR FSIP65 5X20 LEDV    | LM-S CONNECTOR FSIP65    | 100                     | 4099854005176 | 4099854005183 |

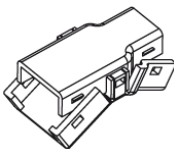
- Each EAN10 bag contains



- Accessories



LM-S CONNECTOR FSIP20  
(for strip to strip)



LM-S CONNECTOR LW FSIP20  
(for strip to wire)



# Compatible drivers

| Max. meters *                                                                |               | LM-SP-500-P | LM-SP-900-P;<br>LM-SV-1000-P | LM-SV-1200-P;<br>LM-SV-1400-P | LM-SV-1600-P;<br>LM-SP-1900-P |
|------------------------------------------------------------------------------|---------------|-------------|------------------------------|-------------------------------|-------------------------------|
| Description                                                                  | EAN code      |             |                              |                               |                               |
| <b>LED Constant Voltage Driver IP20</b>                                      |               |             |                              |                               |                               |
| LVED VAL 30/220-240/24 VS20 G2 LEDV                                          | 4058075549807 | 6           | 3                            | 2                             | 1                             |
| LVED VAL 60/220-240/24 VS20 G2 LEDV                                          | 4058075549821 | 13          | 7                            | 4                             | 3                             |
| LVED VAL 120/220-240/24 VS20 G2 LEDV                                         | 4058075549845 | 26          | 14                           | 9                             | 7                             |
| LVED VAL 150/220-240/24 VS20 G2 LEDV                                         | 4058075549869 | 33          | 17                           | 12                            | 8                             |
| <b>1-10V Dimming controller IP20 (work with above IP20 drivers together)</b> |               |             |                              |                               |                               |
| LVA DIM 1-10V 12/24V 50X1 EN LEDV                                            | 4058075216532 | 16x5m       | 8x5m                         | 6x5m                          | 4x5m                          |
| <b>LED Constant Voltage DALI Dimming Driver IP20</b>                         |               |             |                              |                               |                               |
| LVED SUP 45/220-240/24 DIM VS20 LEDV                                         | 4058075513372 | 9           | 5                            | 3                             | 2                             |
| LVED SUP 80/220-240/24 DIM VS20 LEDV                                         | 4058075513396 | 17          | 9                            | 6                             | 4                             |
| LVED SUP 150/220-240/24 DIM VS20 LEDV                                        | 4058075513419 | 33          | 17                           | 12                            | 8                             |
| <b>LED Constant Voltage Driver IP67 (will launch new generation soon)</b>    |               |             |                              |                               |                               |
| LVED PRO 60/220-240/24 P LW 20X1 ENLEDV                                      | 4058075080294 | 13          | 7                            | 4                             | 3                             |
| LVED PRO 100/100-240/24 P LW 16X1ENLEDV                                      | 4058075094345 | 22          | 11                           | 8                             | 5                             |
| LVED PRO 200/220-240/24 P LW 16X1ENLEDV                                      | 4058075094383 | 44          | 23                           | 16                            | 11                            |
| LVED PRO 300/220-240/24 P LW 9X1 ENLEDV                                      | 4058075094444 | 66          | 35                           | 24                            | 17                            |

\* Please note: LED Strips are only recommended to be connected in parallel connection method if connection length exceed 5 meters.