

PRO Series

Specification

# DS8240

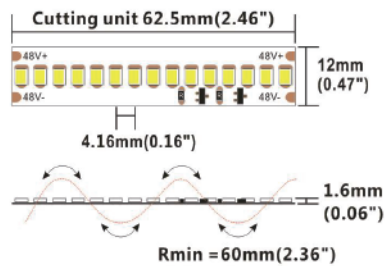
## 48V-12mm

---



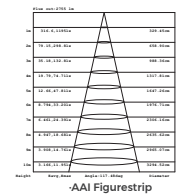
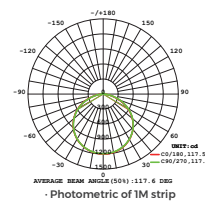
### 【General description】

- Luminance efficiency up to 130LM/W
- Constance current design, brightness keeps the same
- 10 meters running by one end power
- Ta: -25-40°C; Tc: 75°C (max)



**【Dimension】**

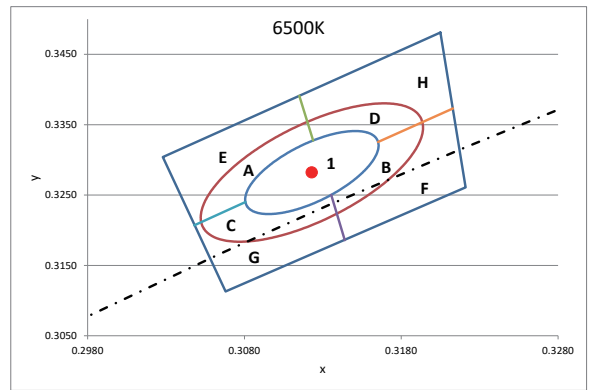
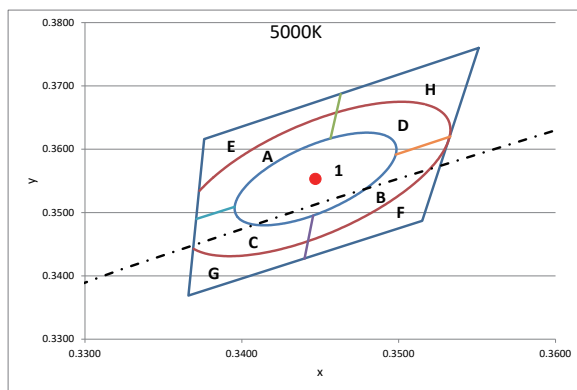
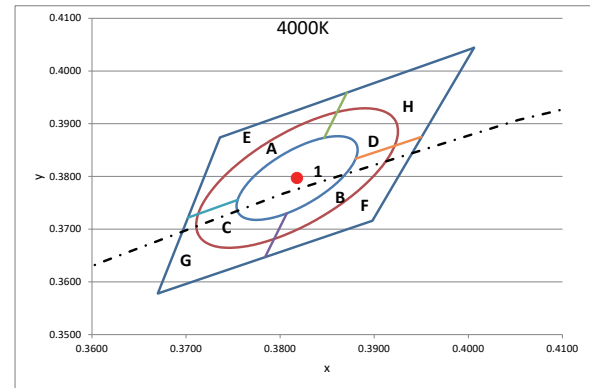
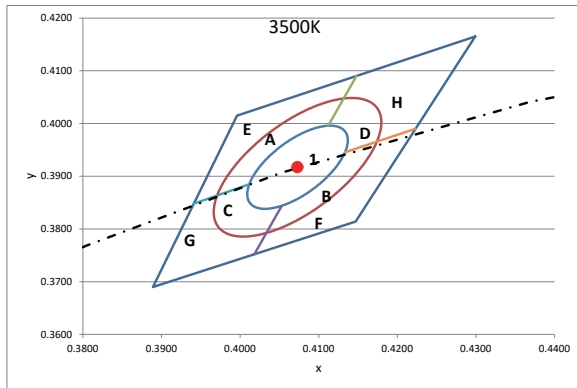
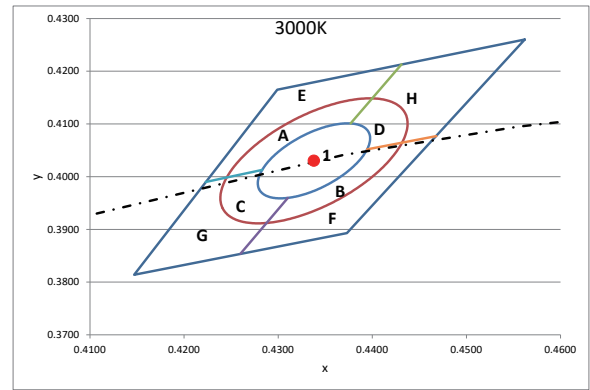
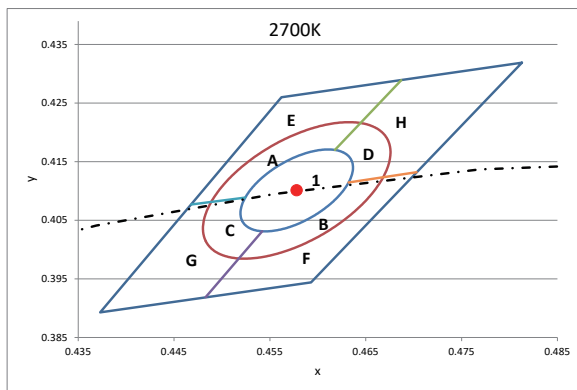
|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Input voltage: DC48V                  | Max.length: 10000mm(32.8')          |
| CRI: 80/90                            | Cutting unit: 115leds/62.5mm(2.46") |
| Max.power: 33W(1m)                    | LED pitch: 4.16mm(0.164")           |
| Power range: 27~33W(1m)               | Min. bend diameter: Φ60mm(2.36")    |
| Rated current: 0.625A(1m) /6.25A(10m) | Mounting: 3M tape                   |
| Typical Power: 30W(1m) /300W(10m)     | Copper foil: 3oz                    |
| tape IP: IP20/IP65                    |                                     |
| On-off times: 10000 (test times)      |                                     |
| Warranty: 5years                      |                                     |



### 【Photo-electric Parameters】

| CRI   | Color | CCT   | Lumen(lm/m) | Lumen(lm/ft) | lm/W | ErP 2019 |
|-------|-------|-------|-------------|--------------|------|----------|
| Ra>80 | SW    | 2700K | 3540        | 1075         | 118  | F        |
| Ra>80 | WW    | 3000K | 3690        | 1125         | 123  | E        |
| Ra>80 | PW    | 3500K | 3790        | 1155         | 126  | E        |
| Ra>80 | NW    | 4000K | 3900        | 1185         | 130  | E        |
| Ra>80 | DW    | 5000K | 3900        | 1185         | 130  | E        |
| Ra>90 | W     | 6500K | 3690        | 1125         | 123  | E        |
| Ra>90 | SW    | 2700K | 2890        | 880          | 96   | F        |
| Ra>90 | WW    | 3000K | 3050        | 930          | 102  | F        |
| Ra>90 | PW    | 3500K | 3125        | 950          | 104  | F        |
| Ra>90 | NW    | 4000K | 3200        | 975          | 107  | F        |
| Ra>90 | DW    | 5000K | 3200        | 975          | 107  | F        |
| Ra>90 | W     | 6500K | 3050        | 930          | 102  | F        |

- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1merter , data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



## 【Electronic & output data】

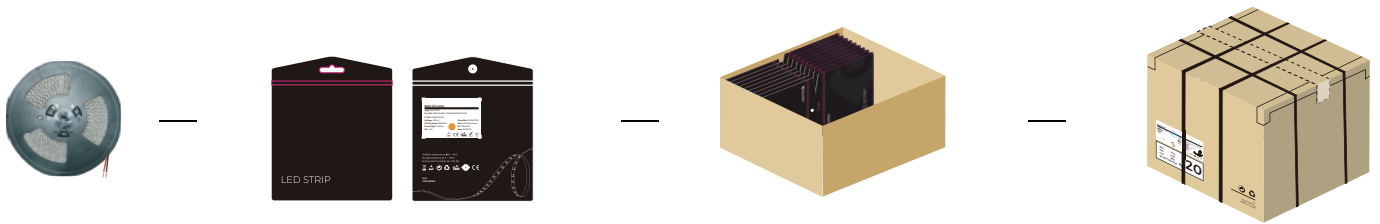
| IP Process | Picture                                                                                          | Picture description | Size       | optional CCT/color for finished product | lumen output rate |
|------------|--------------------------------------------------------------------------------------------------|---------------------|------------|-----------------------------------------|-------------------|
| NO         | <br>NO/IP20   | No proof            | 12mm*1.6mm | 2700K/3000K/3500K/4000K/6500K           | 100%              |
| NA         | <br>NANO/IP65 | Nano-proof          | 12mm*1.7mm | 2700K/3000K/3500K/4000K/6500K           | 98%               |

## 【Accessories Information】

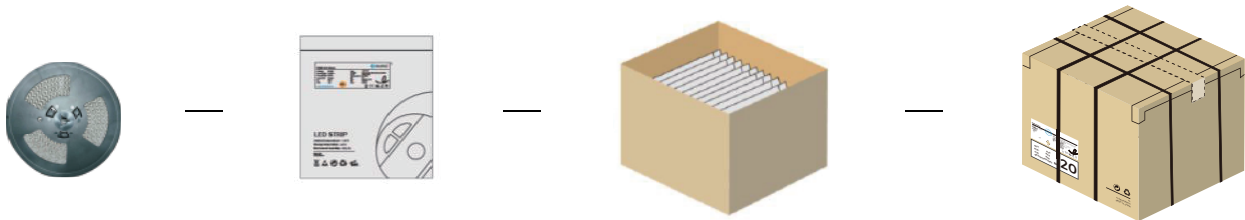
| Name                       | Picture                                                                           | Code          | coding      | description                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------|---------------|-------------|-------------------------------------------------------------------------------------------------------|
| Connector for wire and FPC |  | 94-03-00-0038 | TXB212-NOGA | 12mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG |
| Connector for FPC and FPC  |  | 94-03-00-0040 | TBB212-NOGA | 12mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA                       |

## 【Packing】

SEL brand package



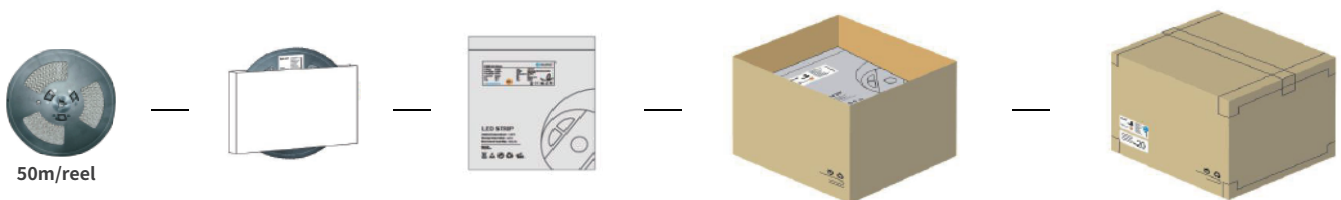
General customized package



| IP Process | Product size(mm) | Product quantity (m/reel) | Product quantity (m/case) | Product net weight(kg) | Net weight per box(kg) | Gross weight(kg) | Package size (cm) |
|------------|------------------|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|
| NO         | 10000*12*1.6     | 10                        | 500                       | 0.285                  | 14.25                  | 15.6             | 41*41*26          |
| NA         | 10000*12*1.7     | 10                        | 500                       | 0.288                  | 14.4                   | 15.75            | 41*41*26          |

Remark: data with 10% tolerance

· Engineering packaging of NO(IP20)/NA(IP65).



| IP Process | Product size(mm) | Product quantity (m/reel) | Product quantity (m/case) | Product net weight(kg) | Net weight per box(kg) | Gross weight(kg) | Package size (cm) |
|------------|------------------|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|
| NO         | 50000*10*1.5     | 50                        | 500                       | 1.15                   | 11.5                   | 13.225           | 41*41*26          |
| NA         | 50000*10*1.6     | 50                        | 500                       | 1.175                  | 11.75                  | 13.5125          | 41*41*26          |

Remark:data with 10% tolerance

TEL: (619) 340-1203

E-mail:contact@90pluslighting.com

www.90pluslighting.com

## **【Precautions】**

- Please drive the led strip with 48VDC isolated power, and the ripple of the constant voltage source should be less than 5%.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.
- Do not fold it in case any damage of LED beads.
- Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.
- Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.
- LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25℃~40℃.Storage temperature: 0℃~60℃.Please use the strips without waterproof within indoor environment with humidity less than 70%.
- Please be careful during operation. Do not touch the AC power supply in case of electric shock.
- Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.
- Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).
- Do not scratch the product when IP process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.