DIGITAL Series Specification
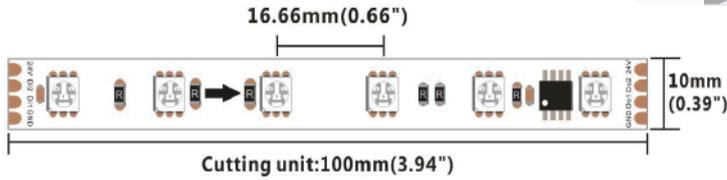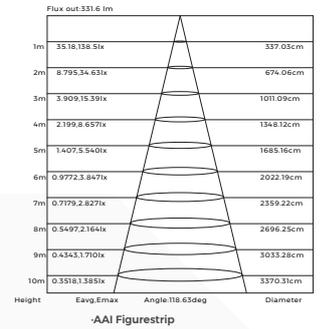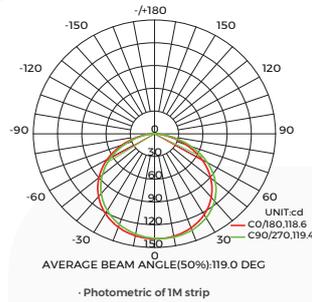
DS560RGB
24V-10mm

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UK CA CE RoHS Reach

【General description】

· SPI RGB strips,10 pixels per meter,IC has break point transmission function,IC model:GS8206

· controllers which support UCS19**,UCS29**,TM18** SM167**,WS28**,SK6812 are recommoned

· Life longer than 36000H, Ta: -25~40°C; Tc: 75°C (max)

· UACK/CE/ROHS/REACH certification

16.66mm(0.66")

10mm (0.39")

Cutting unit:100mm(3.94")

【Dimension】

Input voltage：DC24V

CRI：/

Max.power: 15W(1m)

Power range: 11～15W(1m)

Rated current：0.54A(1m) 2.2A(5m)

Typical Power：13W(1m) 51.8W(5m)

tape IP：IP20/IP65/IP67

On-off times: 10000（test times）

Warranty：3 years indoors / 2 years outdoors

Max.length：5000mm(16.4')

Cutting unit：100mm(3.94")

LED pitch：/

Min. bend diameter：Φ60mm(2.36")

Mounting：3M tape

Copper foil: 3oz

-/+180   150   150
-120   120
-90   90
-60   60
-30   30
150
UNIT:cd
C0/180,118.6
C90/270,119.4
AVERAGE BEAM ANGLE(50%):119.0 DEG
· Photometric of 1M strip

Flux out:331.6 lm

Height	Eavg,Emax	Angle:118.63deg	Diameter
1m	35.18,138.5lx		337.03cm
2m	8.795,34.63lx		674.06cm
3m	3.909,15.39lx		1011.09cm
4m	2.199,8.657lx		1348.12cm
5m	1.407,5.540lx		1685.16cm
6m	0.9772,3.847lx		2022.19cm
7m	0.7179,2.827lx		2359.22cm
8m	0.5497,2.164lx		2696.25cm
9m	0.4343,1.710lx		3033.28cm
10m	0.3518,1.385lx		3370.31cm

·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
0	R	R:620-625nm	105	32	22	/
0	G	G:520-525nm	255	77	59	/
0	B	B:455-460nm	50	15	/	/
0	RGB	/	455	63	35	/

1.The tolerance of output data can be vary up to 10%.

2.the output data tested according to IES TM-30-15.

3.the output data is based on IP20/Imerter，data of 5m in only for reference.

4.IP protection process leads changes to size, CCT and luminous flux.

【IP process information】

ET

IP65   Gluing End Cap

9.5mm (0.37")

14mm (0.55")

32mm（1.26"）
20mm (0.79")

10mm(0.39")
12mm(0.47")

IP67   Molded End Cap

9.5mm (0.37")

13.5mm (0.53")

33mm（1.3"）
18mm (0.71")

10mm(0.39")
12mm(0.47")
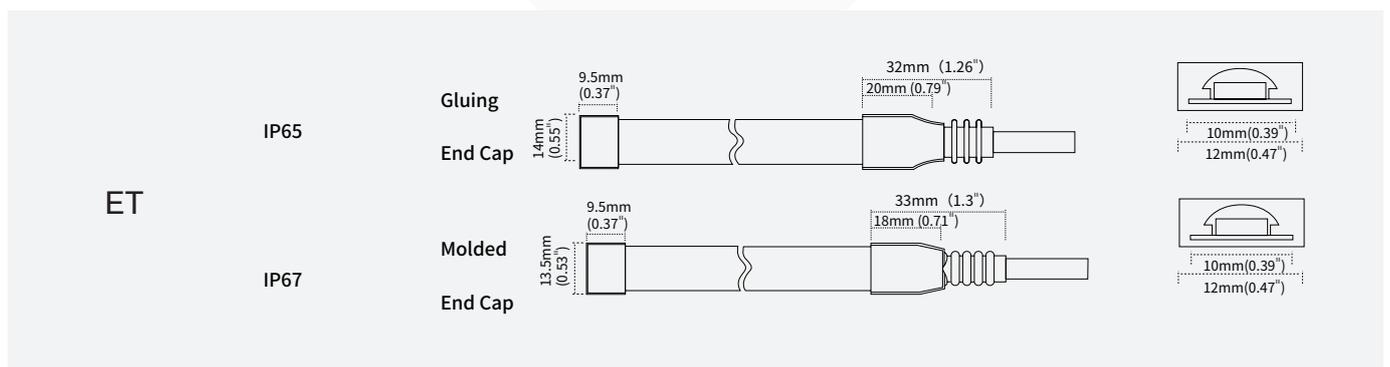
【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	10mm*2.1mm	RGB	100%
NA	NANO/IP65	Nano-proof	10mm*2.1mm	RGB	98%
ET	ET/IP67	Extrusion tube	12mm*4.8mm	RGB	88%

【Accessories Information】

Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0046	DT10EA-A	Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	DW10EA-A	Silicone tail plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0025	CVT10EA-14100100	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip

【Packing】

Colors brand package
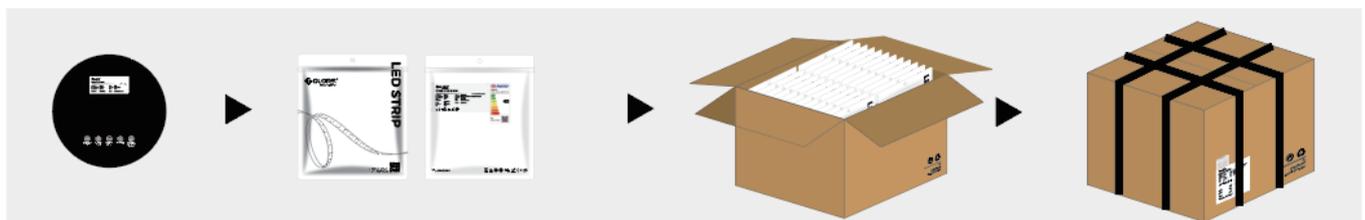
General customized package
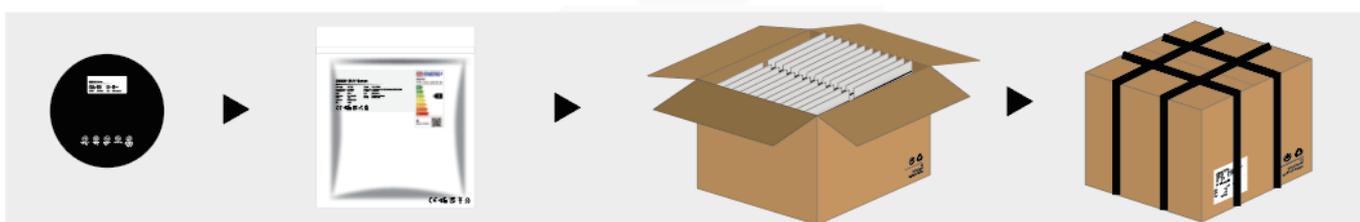
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*10*2.1	5	250	0.125	6.25	7.19	41*41*26
NA	5000*10*2.1	5	250	0.131	6.55	7.53	41*41*26
ET	5000*10*5.0	5	200	0.505	20.2	23.23	41*41*26

Remark：data with 10% tolerance

【Precautions】

· Please drive the led strip with 24VDC 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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.