



UNILinear Flex IP65 is new type waterproof and anti-dust LED strips with state-of-the-art process technology to guarantee lighting performance. Thanks to wrap with anti-UV silicon tube and slot inside for LED PCB fixation, it not only ensure high quality of waterproof performance but also lighting color consistency for attractive light effect.

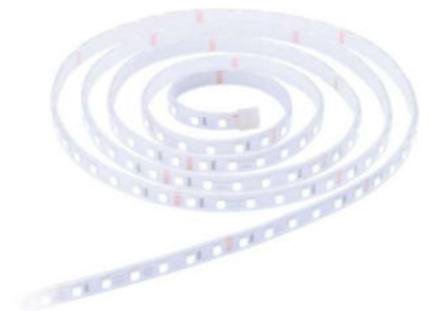
It's an ideal solution for decoration lighting and guidance lighting outdoors, various lumen package and multiple CCT for the option.

Key features

- IP65, sealed with anti-UV silicon tube with slot for PCB fixation
- Various lumen output from 400lm to 1200lm per meter
- Optional CCT 2500K/3000K/4000K/6500K/RGB for different application
- CRI80 for better vivid color rendering
- SDCM≤ 5, better color consistency for visual comfort
- DC 24VDC, Class III for safety use
- Long lifespan 20K hrs. L70B50@35°C
- Lead cable (300mm) for connection
- CB and CE certified

Application

- Decorative lighting
- Guidance lighting
- Cove lighting



Specification Table

UNILinear Flex IP65

	Product Family	BGC201 400lm	BGC201 800lm	BGC201 1100lm	BGC201 RGB
System performance 系统性能	CCT Range	2500K, 3000K, 4000K, 6500K			RGB
	input Voltage (Typical)	24VDC			
	lumen output (Typical)	400 lm/m	800 lm/m	1100 lm/m	480LM/M
	System voltage (Typical)	≤20W/5m/roll	≤37W/5m/roll	≤50W/5m/roll	48W/5m/roll
	Beam Angle	≥110°			
	System Efficiency	>80LM/W			>38LM/W
	Life Time	20K hrs ,L70B50@35°C			
	ambient temperature of operation (ta)	35°C			
	work temperature range	-40°C to +50°C			
	Safety Class	Class III			
	SDCM	SDCM≤5			N.A
	CRI	≥80			N.A
	CCT Range	2500K (2500±100k) 3000K (3000±125k) 4000K (3985±196k) 6500K (6300±364k)			N.A
	Light Source quantity	36PCS/M	72PCS/M	108PCS/M	60PCS/M
Mechanical 结构	Product Size	W : ≤12mm, H : ≤4.1-4.7mm (not include plug)			W : 11.4-12.6mm, H : 4.1-4.7 mm(not include plug)
	Length per roll	5m/reel			
	Min cuttable length*	16.67cm	8.34cm	5.56cm	10cm
	Max connectable length	5M	5M	5M	5M
	Color & material	outdoor use silicone tube , inside PCB must be fixed			
	Cable	Red (V+), balck(v-) 0.3mm2, outdoor use cabel, 300mm length			
	mounting accessories	silicon clips			
	IP	IP 65			
	IK	IK 04			
	Optional accessories (separated 12NC)	1. mounting clip+fix screw 2. Connector 3. waterproof end-cap 4. L-type aluminum track package (1m track, clips, end cap, diffuser) 5. U-type aluminum track package (1m track, clips, end cap, diffuser)			
	Packaging Requirement	outbox carton Inner anti-static package for LED strips Inner PE package for accessories.			
electrical 电气	Input Voltage (range)	24VDC±10%			
	Dimmable	Can be controlled by 24V PWM voltage input, subject to dimming driver type			
	ESD protection	8KV Air discharge and 4KV contact discharge for input cabel			
Report and Approbation	Report and Approbation	CB, CE, LM80			
	RoHS 2.0	RoHS, China RoHS 2.0			
	REACH	yes			

① Due to the prosperity of LED products, the parameters of product specification is the typical value, which is might different from the real value of products.

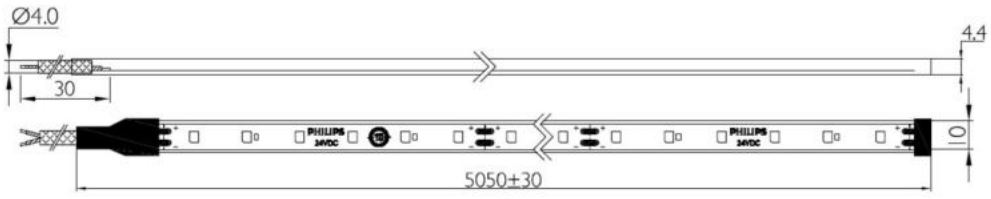
由于LED产品特性, 相关参数是反应LED产品规格的典型值, 与产品实际参数会有一定差异。

② Due to the electrical properties of low voltage DC driven LED strips, the wattage and lumens value of LED strips per roll (5m) is not equal of 5 times of value per meter.

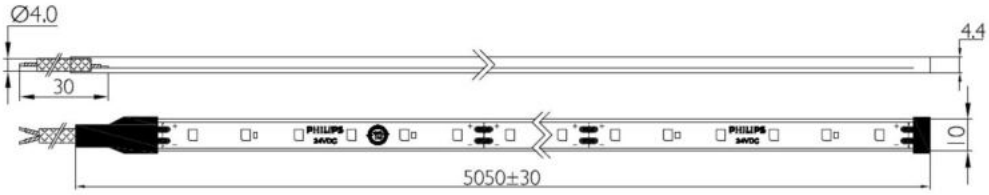
由于低压恒流LED灯带产品电学特性, 每卷(5米)灯带的功率与光通量数值不是每米灯带的功率与光通量数值的线性5倍关系;

DimensionDrawing

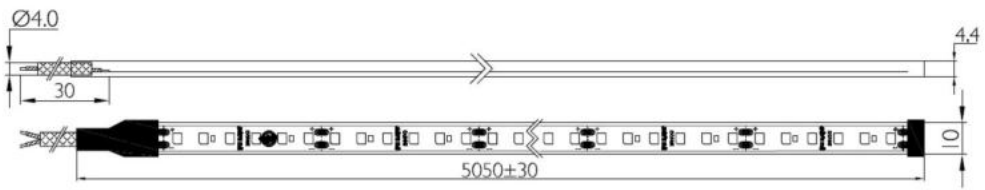
BGC20| 400LM Dimension/尺寸 Unit: mm/单位: mm



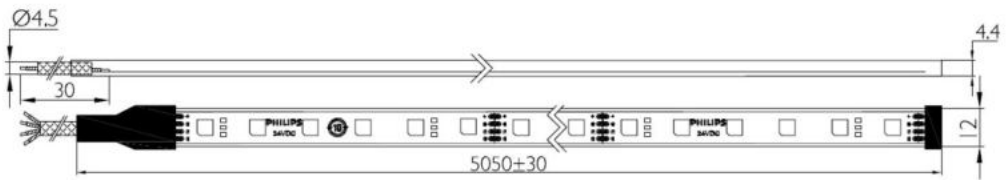
BGC20| 800LM Dimension/尺寸 Unit: mm/单位: mm



BGC20| 1100LM Dimension/尺寸 Unit: mm/单位: mm



BGC20| RGB Dimension/尺寸 Unit: mm/单位: mm



Product list

No.	12NC	①English Name 英文名称	②Chinese Name 中文名称	SAP/Prisma 描述	Voltage (V) 电压	Current (A) 电流	IP 防护等级	Power/Lamp 功率/LED个数×单颗LED瓦数	③Ta	Class 灯具类型	④IK	Lum Dim.(LxWxH) 灯具长度×宽度×高度 (cm)	In.Pkg Len. x Wid. x Hgt.: 内箱长度×宽度×高度 (cm)	Car.Pkg Len. x Wid. x Hgt.: 外箱长度×宽度×高度 (cm) (成品必填*)
BGC201														
1	911401720162	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 400LM 2500K L5000	24VDC	0.83	65	20W(180×0.111W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
2	911401720172	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 400LM 3000K L5000	24VDC	0.79	65	19W(180×0.106W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
3	911401720182	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 400LM 4000K L5000	24VDC	0.75	65	18W(180×0.100W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
4	911401720192	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 400LM 6500K L5000	24VDC	0.75	65	18W(180×0.100W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
5	911401720202	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 800LM 2500K L5000	24VDC	1.54	65	37W(360×0.103W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
6	911401720212	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 800LM 3000K L5000	24VDC	1.42	65	34W(360×0.094W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
7	911401720222	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 800LM 4000K L5000	24VDC	1.38	65	33W(360×0.092W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
8	911401720232	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 800LM 6500K L5000	24VDC	1.38	65	33W(360×0.092W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
9	911401720242	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 1100LM 2500K L5000	24VDC	2.08	65	50W(540×0.093W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
10	911401720252	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 1100LM 3000K L5000	24VDC	1.88	65	45W(540×0.083W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
11	911401720262	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 1100LM 4000K L5000	24VDC	1.83	65	44W(540×0.081W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
12	911401720272	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 1100LM 6500K L5000	24VDC	1.83	65	44W(540×0.081W LED)	35	III	04	505*1*0.44	23*2*24.5	24*18*25.5
13	911401720282	ENILinear Flex IP65	悠奕柔性灯带 IP65	BGC201 RGB L5000	24VDC	2.00	65	48W(300×0.16W LED)	35	III	04	505*1.2*0.44	23*2*24.5	24×21×25.5

No.	12NC	①English Name 英文名称	②Chinese Name 中文名称	SAP/Prisma 描述	Lum Dim.(LxWxH) 灯具长度×宽度×高度 (cm)	In.Pkg Len. x Wid. x Hgt.: 内箱长度×宽度×高度 (cm)	Car.Pkg Len. x Wid. x Hgt.: 外箱长度×宽度×高度 (cm) (成品必填*)
BGC201 Accessory							
1	911401720292	Accessory	配件	ZGC201 MOUNTING KIT MONO	3x0.6x0.6	9x7.5x1	17x9x16
2	911401720312	Accessory	配件	ZGC201 CABLE CONNECTOR	2.5x1x0.7	9x7.5x1	17x9x16
3	911401720322	Accessory	配件	ZGC201 90D EMISSION TRACK AL 1M	100x1.85x1.85	105x2x2	103.5*21*10.5
4	911401720332	Accessory	配件	ZGC201 180D EMISSION TRACK AL 1M	100x1.75x0.9	105x2x2	103.5*21*10.5
5	911401728332	Accessory	配件	ZGC201 MOUNTING KIT RGB	3.2x0.6x0.6	9x7.5x1	17x9x16

