Signcomplex
light and smart

Class A Standard Strips

LED strips expert Company in China Energy
Class meets A since 15st JUL, 2025

bsi
CE
RoHS
Warranty
5years

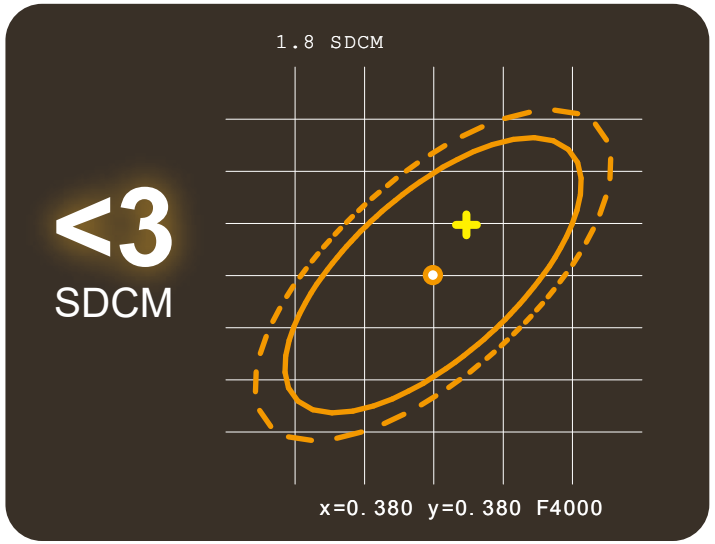
+86-755-2760 8650 sales@signcomplex.com www.signcomplex.com

FEATURES

1. High efficiency up to **228lm/W**, meets **class A**

2. Quality **SMD3235 0.2W** LED provides unparalleled design-in Flexibility for LED strips application.

3. SDCM(standard deviation of color matching) within 3-step, IES60081:2010 standard



FEATURES

4. Flexible luminous and cutting configurations to comply with various different system solutions

Power : 4.8-14.4W/m, 1.6-4.8W/fts
Luminous Φ total @ 4000K: 1094-3283lm/m, 396-1094lm/ft

Power(W/m)	4.8	6.7	8.6	10	12	14.4
LED Qty. (leds/m)	90	126	162	126	162	180

Notes :
1.Correlated Color Temperature is derived from the CIE 1931 Chromaticity diagram.
2.Tolerance: Lumen/Power/CCT±5%,Ra±2.0;CIE X/Y:±0.005.
All measurements were made under the standardized environment of Signcomplx.

CRI80/CRI90

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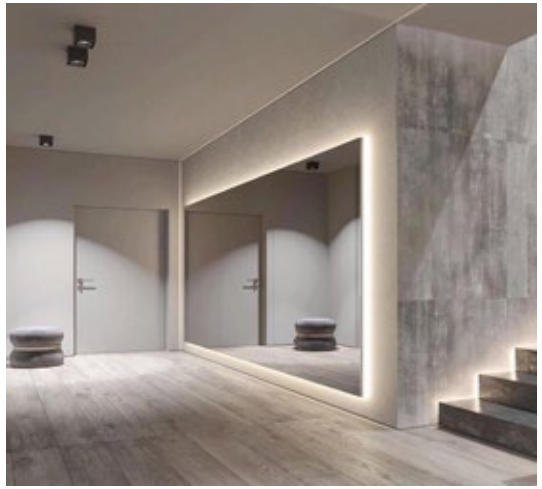
APPLICATION

Signcomplex class A standard strips complementary portfolio with optimized performance and bin construction for the white type, it also an effective inforcement of economic version. it provides the perfect balance between performance and cost efficiency for a variety of applications.

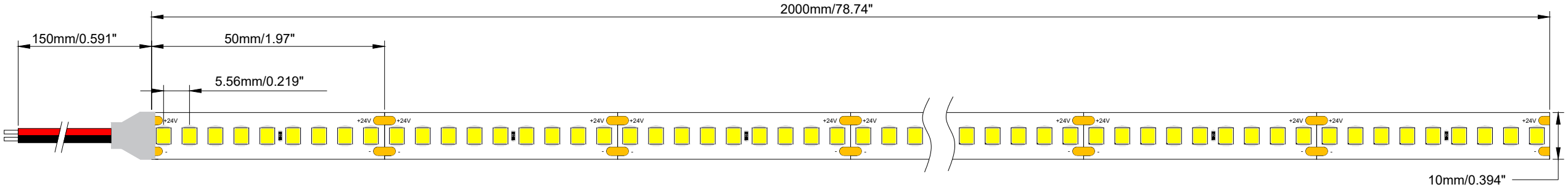


SPECIFICATION

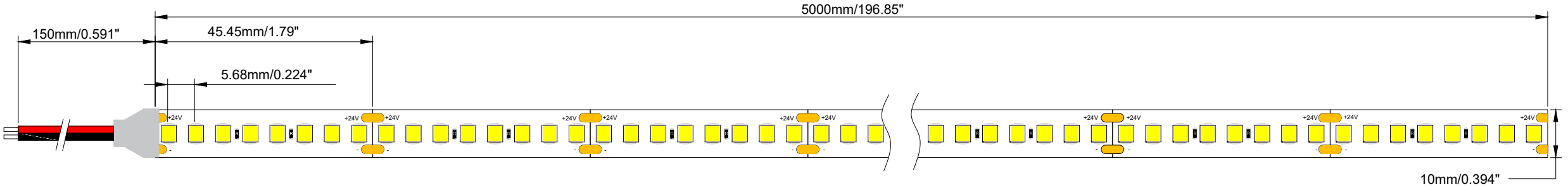
Model	CCT	Luminous Flux (lm/M)	LED Qty. (LEDs/m)	Rated Watt (W/m)	Light effect (lm/W)	Class	LED Type	CRI	Beam angle (degree)	Cutting Points (mm)	Reel/M	IP	Compatible Dimming Methods	Ambient Temp
SC-3235-09-H80-180-24-9.6-IP20	2700±100K	2054	180	9.6	214-228	A	3235	CRI80	120	50	2M	IP20	PWM/ 0-10V/ 1-10V/ DALI/ DMX	-20°C to 45°C
	3000±100K	2150												
	3500±150K	2169												
	4000±150K	2188												
	5000±200K	2188												
	6500±300K	2150												
SC-3235-09-H90-180-24-9.6-IP20	2700±100K	1958	180	9.6	204-218	A/B	3235	CRI90	120	50	2M			
	3000±100K	2054												
	3500±150K	2073												
	4000±150K	2092												
	5000±200K	2092												
	6500±300K	2054												
SC-3235-08-H80-176-24-9.6-IP20	2700±100K	1864	176	9.6	194-208	B	3235	CRI80	120	45.45	5M	IP20	PWM/ 0-10V/ 1-10V/ DALI/ DMX	-20°C to 45°C
	3000±100K	1958												
	3500±150K	1978												
	4000±150K	1997												
	5000±200K	1997												
	6500±300K	1958												
SC-3235-08-H90-176-24-9.6-IP20	2700±100K	1776	176	9.6	185-198	B	3235	CRI90	120	45.45	5M			
	3000±100K	1862												
	3500±150K	1882												
	4000±150K	1901												
	5000±200K	1901												
	6500±300K	1862												

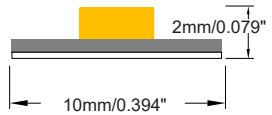
DIMENSIONS(Unit: mm/inch)

SC-3235-09-H80-180-24-9.6-IP20/SC-3235-09-H90-180-24-9.6-IP20

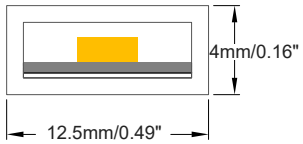


SC-3235-08-H80-176-24-9.6-IP20/SC-3235-08-H90-176-24-9.6-IP20

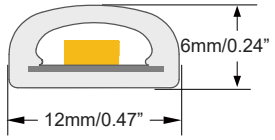




IP20: Non-waterproof



IP65: Silicon sleeved

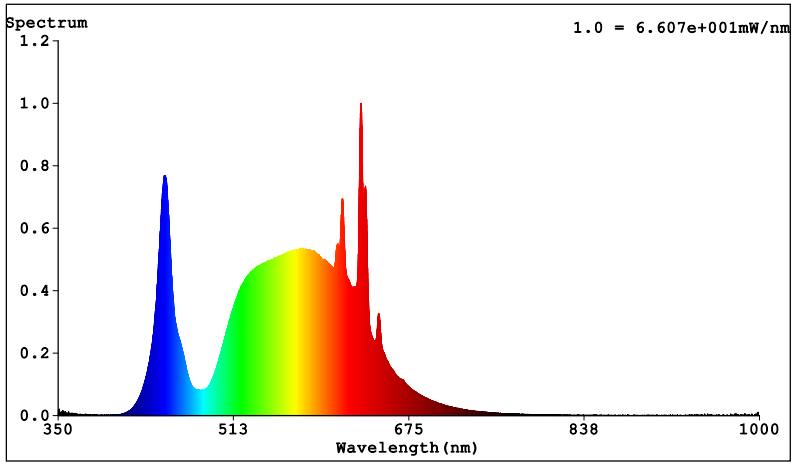


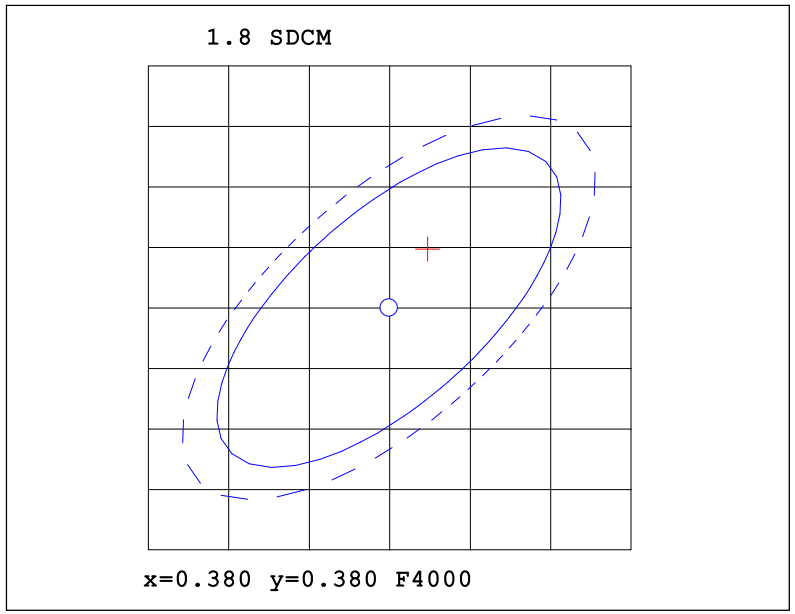
IP65: Silicon extrusion

NOTE: IP65 Silicon sleeved and IP65 silicon extrusion have color shift issue, contact sales for specific information

LUMINAIRE PHOTOMETRIC TEST REPORT

Spectrum





ERP TEST REFERENCE

Table 2	Data calculation & comparison			
Model No.:	**SC-3235-09-24**			
Item	**Rated value**	**Measured value**	**Deviation**	**Remark**
Φ_{use} (lm)	2200	2212.60	0.57%	
P_{on} (W)	9.6	9.55	-0.52%	
η_{TM}	212.21	214.54	1.09%	
Energy efficiency class	A	A		
Ec (kWh/1000h)	10	10		
Remarks: --				

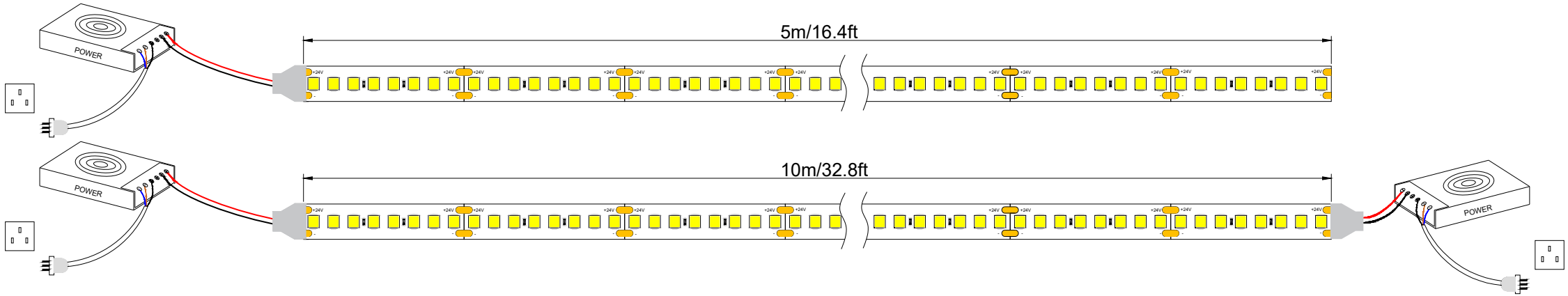
Table 3	Product information sheet		
Supplier's name or trade mark:	SIGNCOMPLEX LIMITED		
Supplier's address:	401, Mingfeng Building, No.2, Xikeng Road, Xinhe Community, Fucheng Street, Longhua, Shenzhen, Guangdong, China		
Model identifier:	SC-3235-09-24		
Type of light source:	LED Strip Light		
Lighting technology used:	LED	Non-directional or directional:	NDLS
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	No
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No
Product parameters			
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000h)	10	Energy efficiency class	A
Useful luminous flux (Φ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2200 in a sphere (360°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	4000

Energy efficiency classes of light sources

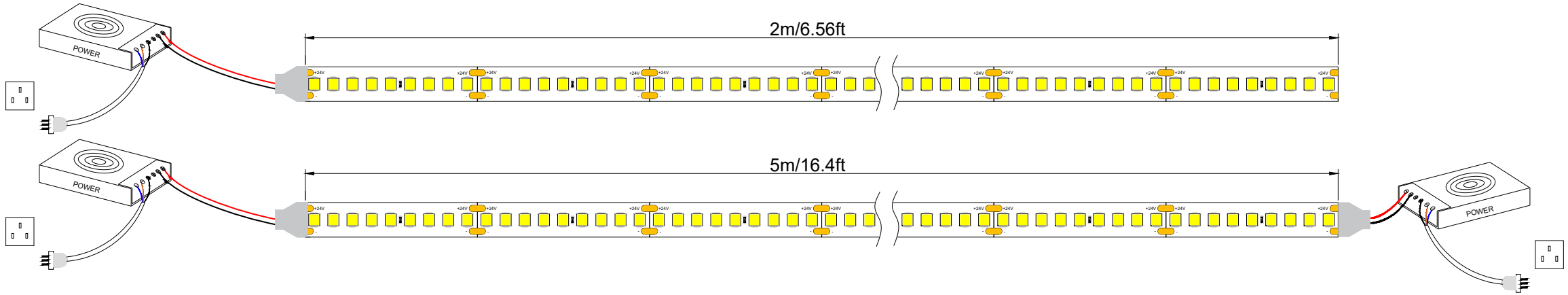
Energy efficiency class	Total mains efficacy η_{TM} (lm/W)
A	$210 \leq \eta_{TM}$
B	$185 \leq \eta_{TM} < 210$
C	$160 \leq \eta_{TM} < 185$
D	$135 \leq \eta_{TM} < 160$
E	$110 \leq \eta_{TM} < 135$
F	$85 \leq \eta_{TM} < 110$
G	$\eta_{TM} < 85$

CONNECTION DIAGRAM

SC-3235-08-H80-176-24-9.6-IP20/SC-3235-08-H90-176-24-9.6-IP20



SC-3235-09-H80-180-24-9.6-IP20/SC-3235-09-H90-180-24-9.6-IP20



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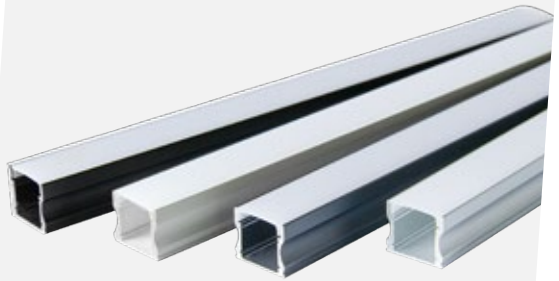
ACCESSORIES

LED Aluminum Channel



Non-waterproof LED Power Supply

LED Flex Strip Connectors

Reliability test items and conditions, failure judgment standards

Test item	Performance	Standard/price/description
Photometry	Integrating sphere test	IES LM79(lumen,CCT,CRI,XY,SDCM,wave length)
	Light distribution test	IES LM79(Lumen intensity distribution)
	Long-term aging experiment	IES L M84&IES TM28
Heating test	Power-on temperature test under normal temperature conditions	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
	High temperature and humidity test	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
Technical test& physical test	Bending test	Manufacturer's definition, 500 cycles
	Vibration test	UL2388＞750 cycles
	Tensile test	Manufacturer definition
	Twist test	The maximum connection length of the feed at both ends is defined by the manufacturer> 200 cycles
	Drop test	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
	IK test	IEC62262
Environment test	Heat resistance test	UL94
	UV illuminant test	ASTMG154,ISO4892-3,UVA@340nm
	IP test	IEC60529
	Salt spary test	IEC68-2-11
Endurance test& thermal test	Thermal shock test	Without lighting -40℃-55℃ (25 minutes)
		Temperature conversion time within 5 minutes,100 cycles
	Power-on temperature test under high temperature conditions	Manufacturer's definition 55℃(standard temperature)

Item	Symbol	Failure Criteria
Luminous Flux	Lm	≥70%
Forward voltage	VF	±10%
Colour	CIE_X CIE_y	+0.01