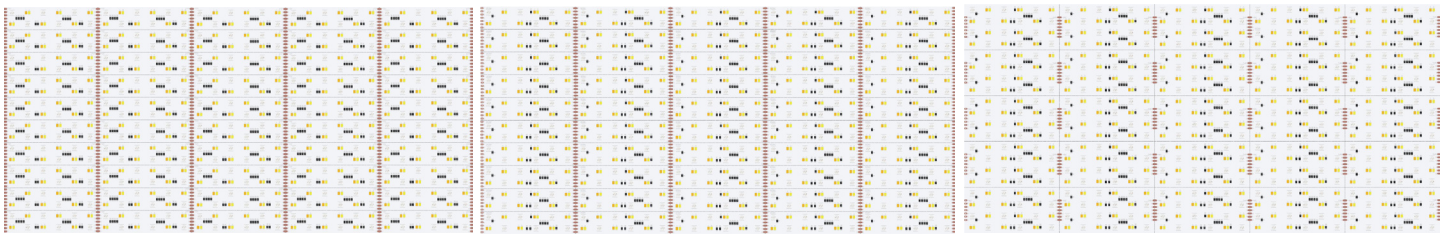
GLULighting®

LED FLEX MAT™ CINEMA CHROMA SERIES

5050 RGBA+2835TD 900LEDs SERIES

2024 Version 1.0

The CINEMA Chroma RGBATD LED Flex Panel™ series is the most popular product series to the Chroma Mat family. They are come with 5050 RGBA 4-in-1 SMD combined with Cinema quality 2835 Daylight and 2835 Tungsten SMD, Ra>95, full sperum R1-r15 all above 90, TLCI>95. With various cuttable versions working with DC12V, DC24V and DC48V, different density available for different choice, Designed for cinema, television, viedo, by using professional high frequency controller or 4 channels DMX decoder supplied by GLU Light, you can achieve more rich colors, and correct colors in a large area, with 120 degree view angle allows for soft, uniform output even at close distance. They are vrsatile, light-weight, color-correct and economical makes all thest light mat a hit with cinematographers and DOPs alike.



12V 24V 48V

CE RoHS COMPLIANT cULus LISTED E495503 CV 12V DC 24V DC 48V DC CUTTABLE FLEXIBLE Dimmable 1 BIN 120° Indoor use Class III

12V TECHNICAL SPECIFICATIONS, 12VDC

Product Name: LED Flex Mat™ Cinema Chroma RGBATD 900LEDs Series
Product Code: GLUB12CV424L0203FH03W900C3
Part Number: GLU-P6L0203FH900-12V **Color:** RGBATD
LED Qty./PCS: 900LEDs(RGBA+Tungsten+Daylight each 300pcs)
Working Voltage: 12 VDC Typ. (8-13 VDC Constant Voltage)
Max. Current per PCS: 5A(UL Standard)/15A(CE Standard)
Max. Power per PCS: 60W(UL Standard)/180W(CE Standard)
Current for each Color(UL Standard): R 0.8A /G 0.8A/B 0.8A/A 0.8A T 1A/D 1A
Current for each Color(CE Standard): R 1.8A /G 1.8A/B 1.8A/A 1.8A T 4A/D 4A
Power for each Color(UL Standard): R 9.6W/G 9.6W/B 9.6W/A 9.6W T 12W/D 12W
Power for each Color(CE Standard): R 21.6W/G 21.6W/B 21.6W/A 21.6W T 48W/D 486W
WLD Colors: R 620-625nm G 520-525nm B 460-465nm A 590-595nm
CCT Whites (Typ.): 2800K(Tungsten)/6500K(Daylight)
CRI Whites(Min.): 95+(Tungsten)/95+(Daylight)
R1-R15 Whites(Min.): 90+ **TLCI Whites(Typ.):** 95+(Tungsten/Daylight)
TM-30 Data Whites: Rf>95, Rg>102,CQS>97(Tungsten/Daylight)
View Angle: 120°
Max. Lumen(Typ.)(UL Standard): 305(Red)/975(Green)/220(Blue)/295(Amber) 1080(Tungsten)/1100(Daylight)
Max. Lumen(Typ.)(CE Standard): 695(Red)/1760(Green)/430(Blue)/675(Amber 3890(Tungsten)/4390(Daylight)
Cuttable or not: Yes
Cuttable Segment per Piece: 50
Dimension: 500×240mm(19.69×9.45 in.)
Mini Cuttable Segment: 100×24mm(3.94×0.94in.)
LEDs per Cut Segment: 18pcs (RGB+Tungsten+Daylight each 6pcs)
Mat overall Thickness: 2.14mm(0.084 in.)
Copper Thickness: 3oz(1oz+2oz)
LED Specing: 16.66mm(0.66in.) Center to Center
Connector: 7 pin Bared Cable(20AWG)
Mounting: 3M 9080HL(Others optional)
Weight: 0.146kg(0.32lb) include lead wire without backadhesive
Operation Temperature: -20° C to +50° C
LED Lifetime: 50,000 Hrs
IP Grade: IP20
Certification: UL/CUL(US/Canada),CE Compliant (Europe)

24V TECHNICAL SPECIFICATIONS, 24VDC

Product Name: LED Flex Mat™ Cinema Chroma RGBATD 900LEDs Series
Product Code: GLUB12CV424L0203FH06W900C3
Part Number: GLU-P6L0203FH900-24V **Color:** RGBATD
LED Qty./PCS: 900LEDs(RGBA+Tungsten+Daylight each 300pcs)
Working Voltage: 24 VDC Typ. (18-26 VDC Constant Voltage)
Max. Current per PCS: 4.16A(UL Standard)/7.5A(CE Standard)
Max. Power per PCS: 100W(UL Standard)/180W(CE Standard)
Current for each Color(UL Standard): R 0.65A /G 0.65A/B 0.65A/A 0.65A T 0.9A/D 0.9A
Current for each Color(CE Standard): R 0.9A /G 0.9A/B 0.9A/A 0.9A T 2A/D 2A
Power for each Color(UL Standard): R 15.6W/G 15.6W/B 15.6W/A 15.6W T 21.6W/D 21.6W
Power for each Color(CE Standard): R 21.6W/G 21.6W/B 21.6W/A 21.6W T 48W/D 48W
WLD Colors: R 620-625nm G 520-525nm B 460-465nm A 590-595nm
CCT Whites (Typ.): 2800K(Tungsten)/6500K(Daylight)
CRI Whites(Min.): 95+(Tungsten)/95+(Daylight)
R1-R15 Whites(Min.): 90+ **TLCI Whites(Typ.):** 95+(Tungsten/Daylight)
TM-30 Data Whites: Rf>95, Rg>102,CQS>97(Tungsten/Daylight)
View Angle: 120°
Max. Lumen(Typ.)(UL Standard): 505(Red)/1400(Green)/330(Blue)/490(Amber) 1800(Tungsten)/1855(Daylight)
Max. Lumen(Typ.)(CE Standard): 695(Red)/1760(Green)/430(Blue)/675(Amber) 3890(Tungsten)/4390(Daylight)
Cuttable or not: Yes
Dimension: 500×240mm(19.69×9.45 in.)
Mini Cuttable Segment: 100×24mm(3.94×1.57in.)
Cuttable Segment per Piece: 50
LEDs per Cut Segment: 18pcs (RGB+Tungsten+Daylight each 6pcs)
Mat overall Thickness: 2.14mm(0.084 in.)
Copper Thickness: 3oz(1oz+2oz)
LED Specing: 16.66mm(0.66in.) Center to Center
Connector: 7 pin Bared Cable(20AWG)
Mounting: 3M 9080HL(Others optional)
Weight: 0.146kg(0.32lb) include lead wire without backadhesive
Operation Temperature: -20° C to +50° C
LED Lifetime: 50,000 Hrs
IP Grade: IP20
Certification: UL/CUL(US/Canada),CE Compliant (Europe)

SHENZHEN GLU LIGHTING CO., LTD.
6F, Bldg A2, New Times Gongrong Industrial Area, No.2 Shihuan Rd.,
Shilong Community, Shiyan Sub-district, Bao'an District,
Shenzhen, Guangdong Province, P.R.China, 518108

Tel:+86-755-23708101/23708102
Email: info@glu-light.com, sales@glu-light.com
Web: www.glulightstrip.com

LED LIGHT MAT CHROMA

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LED FLEX MAT™ CINEMA CHROMA SERIES

5050 RGBA+2835TD 900LEDs SERIES

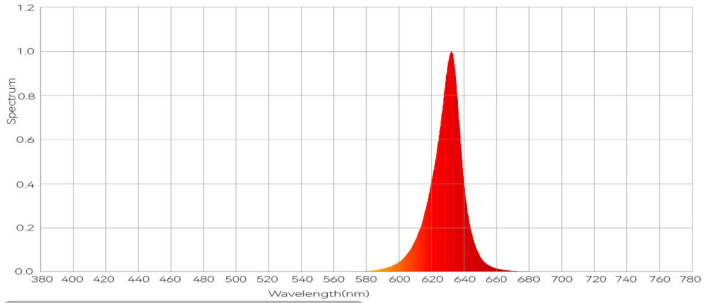
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48V TECHNICAL SPECIFICATIONS, 48VDC

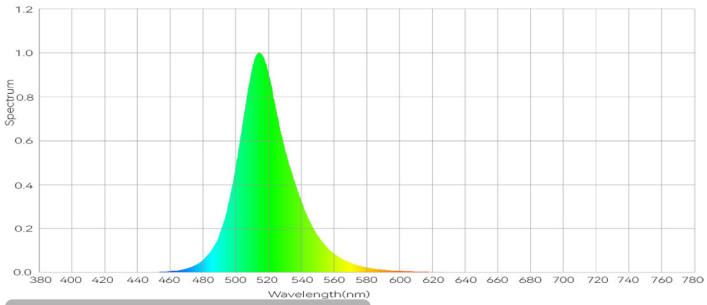
Product Name: LED Flex Mat ™ Cinema Chroma RGBATD 900LEDs Series

Product Code: GLUB48CV424L0203FH12W900C3	**Part Number:** GLU-P6L0203FH900-48V
Color: RGBATD	**LED Qty./PCS:** 900LEDs(RGBA+Tungsten+Daylight each 300pcs)
Working Voltage: 48 VDC Typ. (31-50 VDC Constant Voltage)	**Max. Current per PCS:** 2.08A(UL Standard)/3.75A(CE Standard)
Max. Power per PCS: 100W(UL Standard)/180W(CE Standard)	
Current for each Color(UL Standard): Red 0.33A /Green 0.33A/Blue 0.33A/Amber 0.33A/Tungsten 0.45A/Daylight 0.45A	
Current for each Color(CE Standard): Red 0.45A /Green 0.45A/Blue 0.45A/Amber 0.45A/Tungsten 1A/Daylight 1A	
Power for each Color(UL Standard): Red 15.6W/Green 15.6W/Blue 15.6W/Amber 15.6W/Tungsten 21.6W/Daylight 21.6W	
Power for each Color(CE Standard): Red 21.6W/Green 21.6W/Blue 21.6W/Amber 21.6W/Tungsten 48W/Daylight 48W	
WLD Colors: R 620-625nm G 520-525nm B 460-465nm A 590-595nm	**CCT Whites (Typ.):** 2800K(Tungsten)/6500K(Daylight)
CRI Whites(Min.): 95+(Tungsten)/95+(Daylight)	**R1-R15 Whites(Min.):** 90+
TLCI Whites(Typ.): 95+(Tungsten)/95+(Daylight)	**TM-30 Data Whites:** Rf>95, Rg>102,CQS>97(Tungsten/Daylight)
View Angle: 120°	
Max. Lumen(Typ.)(UL Standard):505(Red)/1400(Green)/330(Blue)/490(Amber)/1800(Tungsten)/1855(Daylight)	
Max. Lumen(Typ.)(CE Standard):695(Red)/1760(Green)/430(Blue)/675(Amber)/3890(Tungsten)/4390(Daylight)	
Cuttable or not: Yes	**Dimension:** 500×240mm(19.69×9.45 in.)
Mini Cuttable Segment: 100×48mm(3.94×1.89in.)	**Cuttable Segment per Piece:** 25
LEDs per Cut Segment: 36pcs (RGB+Tungsten+Daylight each 12pcs)	**Mat overall Thickness:** 2.14mm(0.084 in.)
Copper Thickness: 3oz(1oz+2oz)	**LED Specing:** 16.66mm(0.66in.) Center to Center
Connector: 7 pin Bared Cable(20AWG)	**Mounting:** 3M 9080HL(Others optional)
Weight: 0.146kg(0.32lb) include lead wire without backadhesive	**Operation Temperature:** -20° C to +50° C
LED Lifetime: 50,000 Hrs	**IP Grade:** IP20
Certification: UL/CUL(US/Canada),CE Compliant (Europe)	

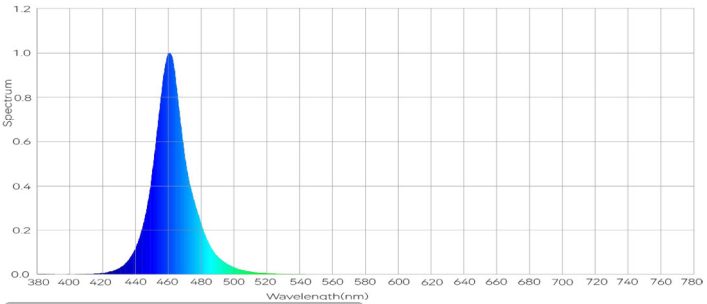
5050 RGBA COLOR SPECTRUM & WAVELENGTH



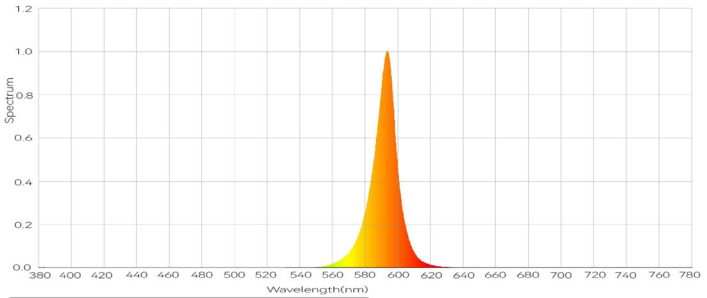
RED COLOR SPECTRUM(WLD621.2nm)



GREEN COLOR SPECTRUM(WLD523.6nm)

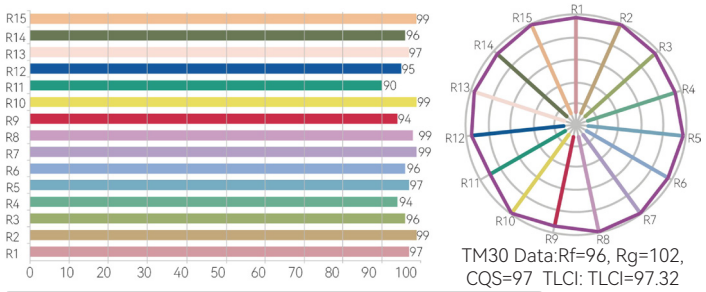


BLUE COLOR SPECTRUM(WLD466.0nm)



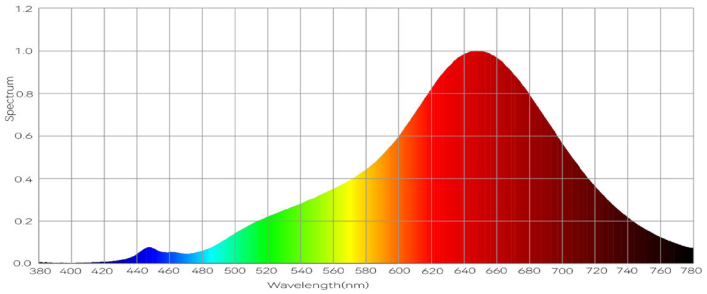
AMBER COLOR SPECTRUM(WLD590.4nm)

2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH



TM30 Data:Rf=96, Rg=102,
CQS=97 TLCI: TLCI=97.32

2835 FLAME COLOR RENDERING INDEX CCT 2008K Ra=97.1



2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 2008K Ra=97.1

SHENZHEN GLU LIGHTING CO., LTD.
6F, Bldg A2, New Times Gongrong Industrial Area, No.2 Shihuan Rd.,
Shilong Community, Shiyan Sub-district, Bao'an District,
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Email: info@glu-light.com, sales@glu-light.com
Web: www.glulightstrip.com

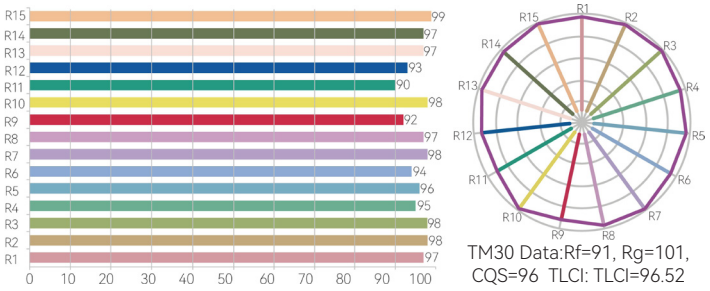
LIGHT MAT CHROMA

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LED FLEX MAT™ CINEMA CHROMA SERIES

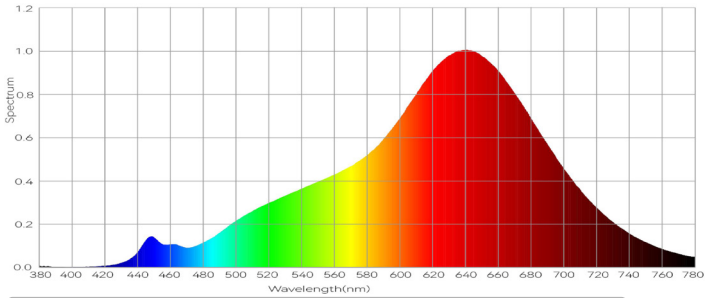
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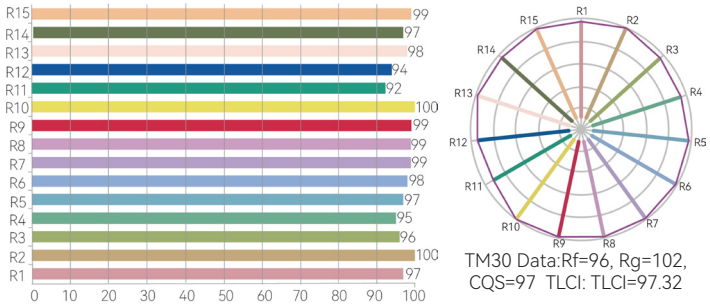


TM30 Data:Rf=91, Rg=101,
CQS=96 TLCI: TLCI=96.52

2835 FLAME COLOR RENDERING INDEX CCT 2262K Ra=96.6

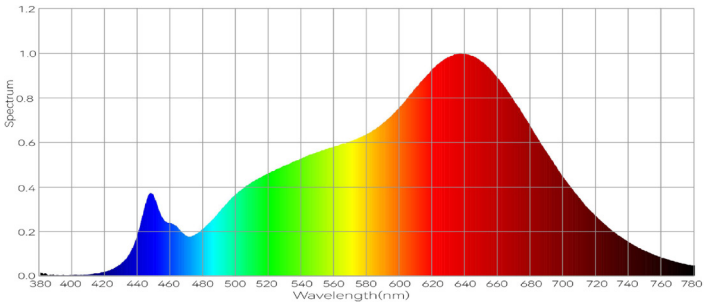


2835 FLAME COLOR SPECTRUM & WAVELENGTH CCT 2262K Ra=96.6

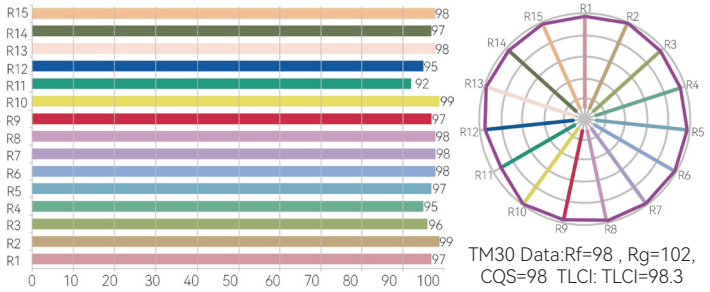


TM30 Data:Rf=96, Rg=102,
CQS=97 TLCI: TLCI=97.32

2835 TUNGSTEN COLOR RENDERING INDEX CCT 2766K Ra=97.3

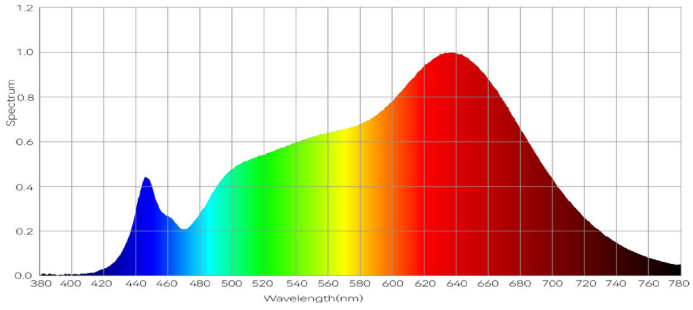


2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 2766K Ra=97.3



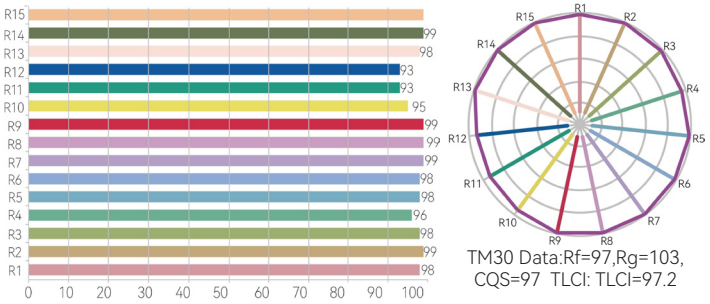
TM30 Data:Rf=98 , Rg=102,
CQS=98 TLCI: TLCI=98.3

2835 TUNGSTEN COLOR RENDERING INDEX CCT 3152K Ra=97.4



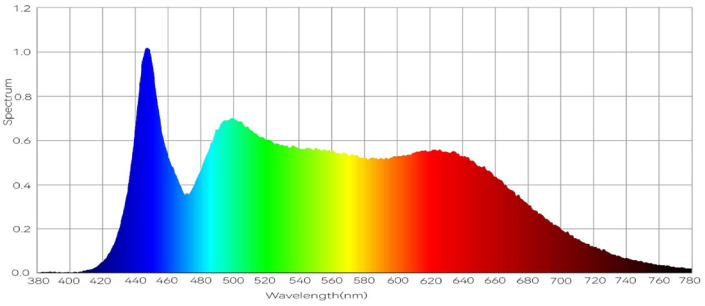
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 3152K Ra=97.4

2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH

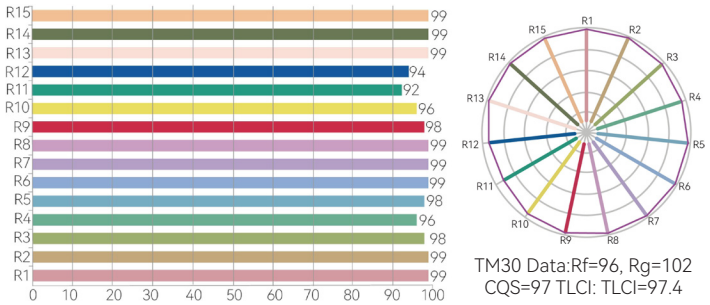


TM30 Data:Rf=97,Rg=103,
CQS=97 TLCI: TLCI=97.2

2835 DAYLIGHT COLOR RENDERING INDEX CCT 5653K Ra=98.3

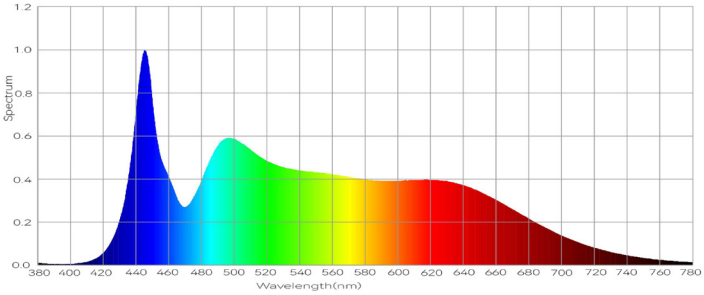


2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 5653K Ra=98.3



TM30 Data:Rf=96, Rg=102
CQS=97 TLCI: TLCI=97.4

2835DAYLIGHT COLOR RENDERING INDEX CCT 6498K Ra=98.4



2835DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 6498K Ra=98.4

SHENZHEN GLU LIGHTING CO., LTD.

6F, Bldg A2, New Times Gongrong Industrial Area, No.2 Shihuan Rd.,
Shilong Community, Shiyan Sub-district, Bao'an District,
Shenzhen, Guangdong Province, P.R.China, 518108

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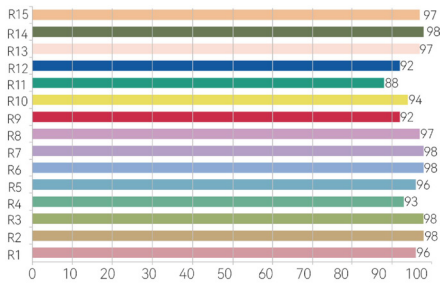
LED LIGHT MAT CHROMA

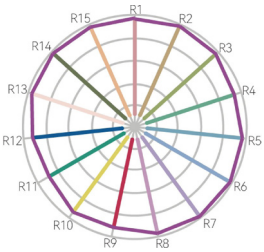
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LED FLEX MAT™ CINEMA CHROMA SERIES

5050 RGBA+283STD 900LEDs SERIES

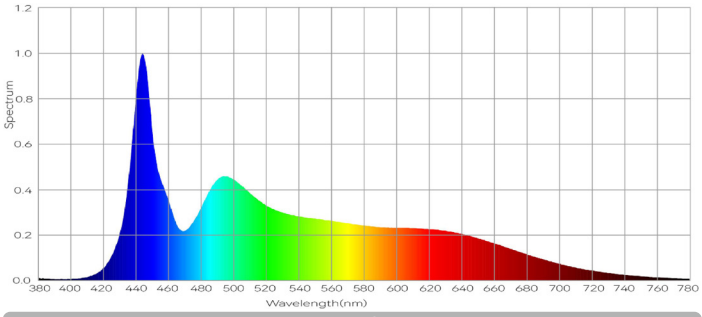
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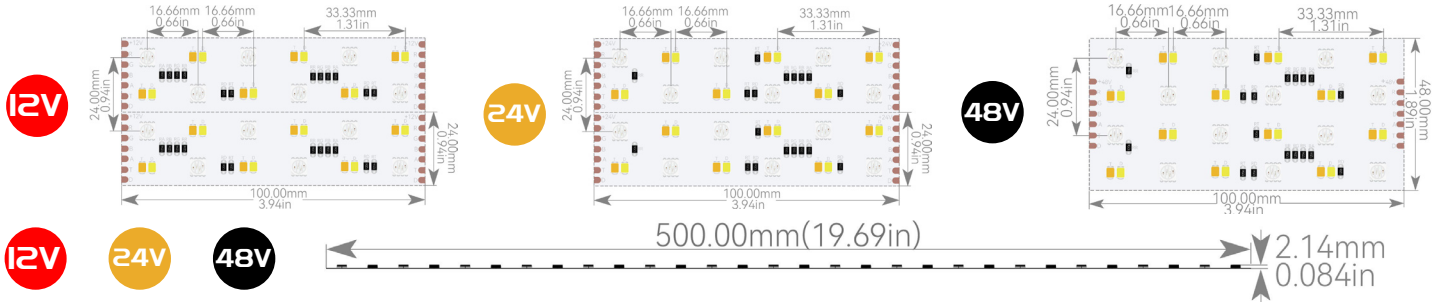
TM30 Data:Rf=95, Rg=103,
CQS=97 TLCI: TLCI=98.26

2835 BLUE DAYLIGHT COLOR RENDERING INDEX CCT 10518K Ra=96.9

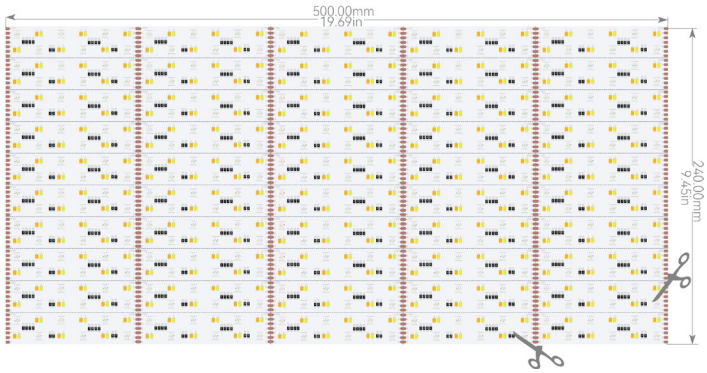


2835 BLUE DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 10518K Ra=96.9

DIMENSION



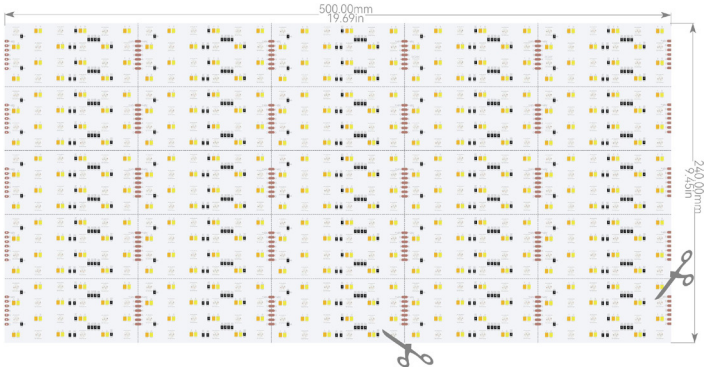
12V



24V



48V



ACCESSORIES

Jummper Wire

18/20AWG Jummper Wire in 15cm	GLU-W7P-15
18/20AWG Jummper Wire in 100m Roll	GLU-W7P-10000

High Frequency DMX Decoder

12-24V, 25-48V, 6CH×5A	PWM 5K/10K/20K/30KHz	GDE0605HF
12-24V 6CH×10A	PWM 5K/10K/20K/30KHz	GDE0610HF
12-24V 24CH×4A	PWM 5K/30KHz	GDE2404HF
12-24V 32CH×4A	PWM 5K/22KHz, 5K/30KHz	GDE2404HF

Power Supplier

Meanwell LRS Series	LRS-350-12/24/48
Meanwell HLG Series	HLG-240H-12/24/48A, HLG-320H-12/24/48A

Adaptor

Meanwell GTS Series	GST280A12/24/48-C6P
Meanwell GTS Series	GST360A12-C8P/GST360A24/48-C6P

More Accessories, please contact sales man for catalogue.

SHENZHEN GLU LIGHTING CO., LTD.
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LIGHT MAT CHROMA