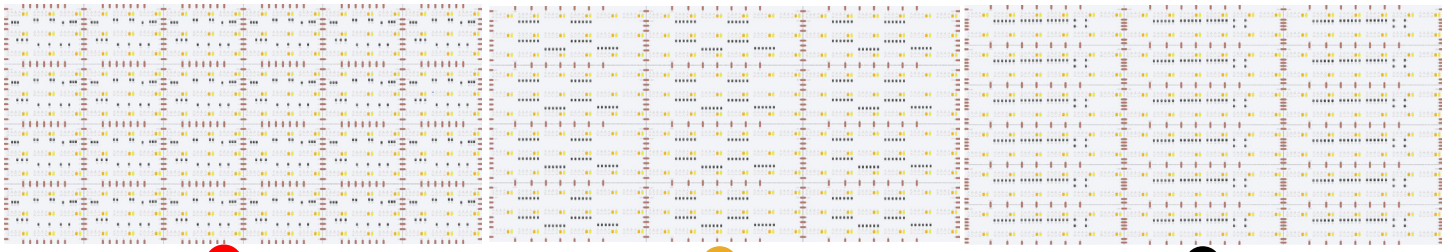
GLULighting®

LED FLEX MAT™ CINEMA CHROMA SERIES

2835RGBATD 1296LEDs 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 2835 single red, green, blue, amber leds 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 1296LEDs Series
Product Code: GLUB12CV424L0300FH03W1296C3
Part Number: GLU-P6L0300FH1296-12V **Color:** RGBATD
LED Qty./PCS: 1296pcs(2835 R/G/B/A/T/D each 216pcs)
Working Voltage: 12 VDC Typ. (8-13 VDC Constant Voltage)
Max. Current per PCS: 5A(UL Standard)/12.5A(CE Standard)
Max. Power per PCS: 60W(UL Standard)/150W(CE Standard)
Current for each Color(UL Standard):R 0.72A /G 0.72A/B 0.72A/A 0.72A
T 1.08A/D 1.08A
Current for each Color(CE Standard):R 1.8A /G 1.8A/B 1.8A/A 1.8A
T 2.66A/D 2.66A
Power for each Color(UL Standard):R 8.64W/G 8.64W/B 8.64W/A 8.64W
T 12.96W/D 12.96W
Power for each Color(CE Standard):R 21.6W/G 21.6W/B 21.6W/A 21.6W
T 31.97W/D 31.97W
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.): 95+ **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):380(Red)/1100(Green)/190(Blue)/260(Amber)
1250(Tungsten)/1300(Daylight)
Max. Lumen(Typ.)(CE Standard):770(Red)/1990(Green)/420(Blue)/545(Amber)
2640(Tungsten)/2980(Daylight)
Cuttable or not: Yes
Dimension: 480mm×240mm(18.9in×9.45in)
Mini Cuttable Segment: 80×60mm(3.15×2.36in.)
Cuttable Segment per Piece: 24
LEDs per Cut Segment: 54pcs (2835 R/G/B/T/D each each 9pcs)
Mat overall Thickness: 1.3mm(0.051 in.)
Copper Thickness: 3oz(1oz+2oz)
LED Specing: 26.66mm(1.05in.) 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 1296LEDs Series
Product Code: GLUB24CV424L0300FH06W1296C3
Part Number: GLU-P6L0300FH1296-24V **Color:** RGBATD
LED Qty./PCS: 1296pcs(2835 R/G/B/A/T/D each 216pcs)
Working Voltage: 24 VDC Typ. (18-26 VDC Constant Voltage)
Max. Current per PCS: 4.16A(UL Standard)/6.25A(CE Standard)
Max. Power per PCS: 100W(UL Standard)/150W(CE Standard)
Current for each Color(UL Standard):R 0.65A /G 0.65A/B 0.65A/A 0.65A
T 0.79A/D 0.79A
Current for each Color(CE Standard):R 0.9A /G 0.9A/B 0.9A/A 0.9A
T 1.33A/D 1.33A
Power for each Color(UL Standard):R 15.55W/G 15.55W/B 15.55W/A 15.55W
T 19.01W/D 19.01W
Power for each Color(CE Standard):R 25.92W/G 25.92W/B 25.92W/A 25.92W
T 34.56W/D 34.56W
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.): 95+ **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):615(Red)/1700(Green)/350(Blue)/430(Amber)
1460(Tungsten)/1635(Daylight)
Max. Lumen(Typ.)(CE Standard):770(Red)/1990(Green)/420(Blue)/545(Amber)
2640(Tungsten)/2980(Daylight)
Cuttable or not: Yes
Dimension: 480mm×240mm(18.9in×9.45in)
Mini Cuttable Segment: 160×60mm(6.3×2.36in.)
Cuttable Segment per Piece: 12
LEDs per Cut Segment: 108pcs (2835 R/G/B/T/D each 18pcs)
Mat overall Thickness: 1.3mm(0.051 in.)
Copper Thickness: 3oz(1oz+2oz)
LED Specing: 26.66mm(1.05in.) 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

GLULighting®

LED FLEX MAT™ CINEMA CHROMA SERIES

2835RGBATD 1296LEDs SERIES

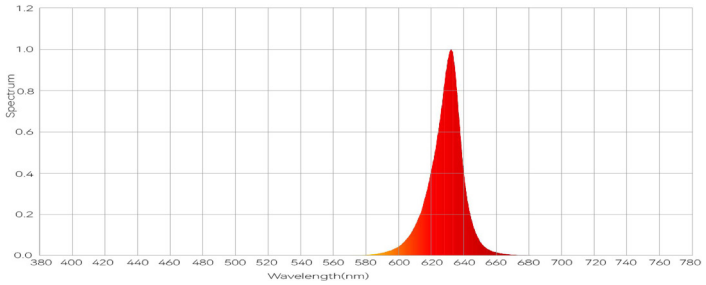
2024 Version 1.0

48V TECHNICAL SPECIFICATIONS, 48VDC

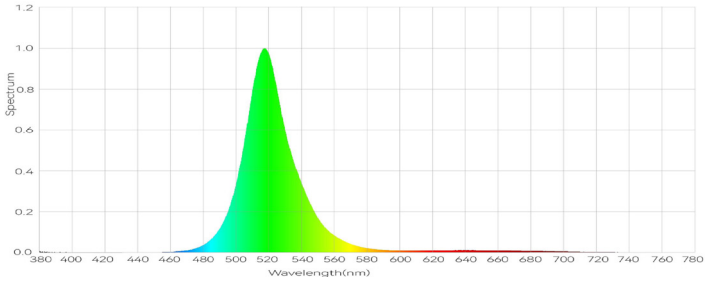
Product Name:LED Flex Mat ™ Cinema Chroma RGBATD 1296LEDs Series

Product Code: GLUB48CV424L0300FH12W1296C3	**Part Number:** GLU-P6L0300FH1296-48V
Color: RGBATD	**LED Qty./PCS:** 1296pcs(2835 R/G/B/A/T/D each 216pcs)
Working Voltage: 48 VDC Typ. (31-50 VDC Constant Voltage)	**Max. Current per PCS:** 2.08A(UL Standard)/3.125A(CE Standard)
Max. Power per PCS: 100W(UL Standard)/150W(CE Standard)	
Current for each Color(UL Standard): Red 0.32A /Green 0.32A/Blue 0.32A/Amber 0.32A/Tungsten 0.4A/Daylight 0.4A	
Current for each Color(CE Standard): Red 0.45A /Green 0.45A/Blue 0.45A/Amber 0.45A/ Tungsten 0.67A/Daylight 0.67A	
Power for each Color(UL Standard): Red 15.55W/Green 15.55W/Blue 15.55W/Amber 15.55W/Tungsten 19.01W/Daylight 19.01W	
Power for each Color(CE Standard): Red 21.6W/Green 21.6W/Blue 21.6W/Amber 21.6W/Tungsten 31.97W/Daylight 31.97W	
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)
Max. Lumen(Typ.)(UL Standard):615(Red)/1700(Green)/350(Blue)/430(Amber)/1460(Tungsten)/1635(Daylight)	
Max. Lumen(Typ.)(CE Standard):770(Red)/1990(Green)/420(Blue)/545(Amber)/2640(Tungsten)/2980(Daylight)	
Dimension: 480mm×240mm(18.9in×9.45in)	**View Angle:** 120°
Cuttable or not: Yes	**Mini Cuttable Segment:** 160×40mm(6.3×1.57in.)
Cuttable Segment per Piece: 18	**LEDs per Cut Segment:** 72pcs (2835 R/G/B/T/D each 12pcs)
Mat overall Thickness: 1.3mm(0.051 in.)	**Copper Thickness:** 3oz(1oz+2oz)
LED Specing: 26.66mm(1.05in.) 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)

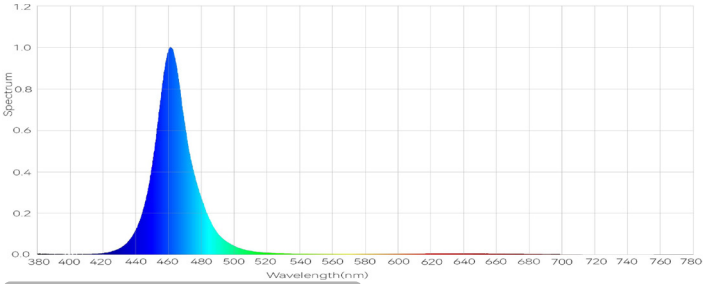
2835 R/G/B/A COLOR SPECTRUM & WAVELENGTH



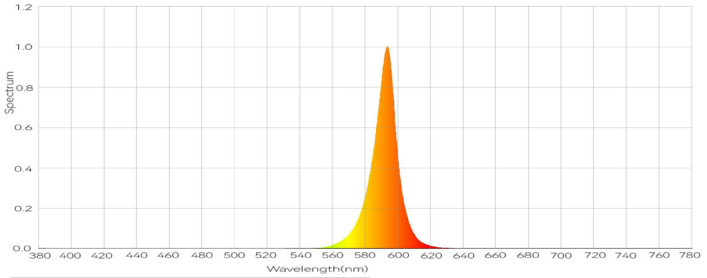
RED COLOR SPECTRUM(WLD621.2nm)



GREEN COLOR SPECTRUM(WLD528nm)

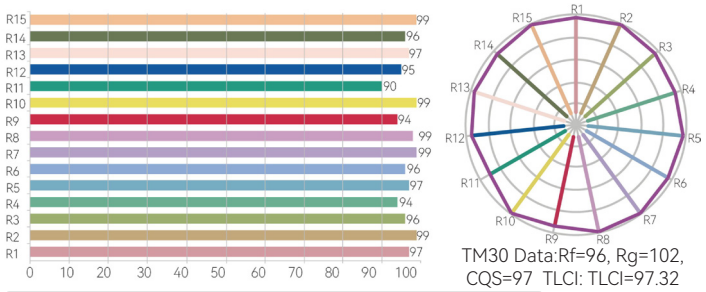


BLUE COLOR SPECTRUM(WLD463.7nm)



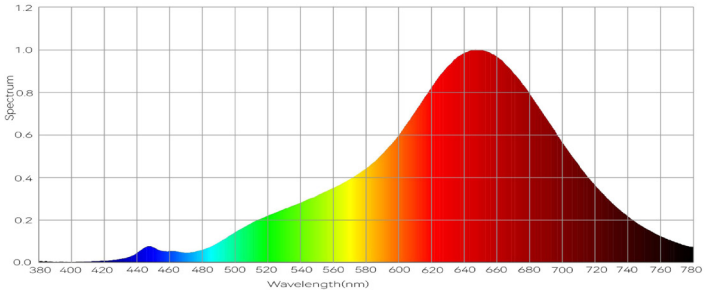
AMBER COLOR SPECTRUM(WLD590.2nm)

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

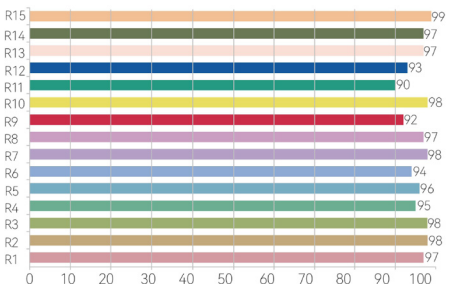


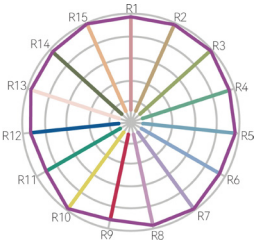
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 2008K Ra=97.1

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,
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

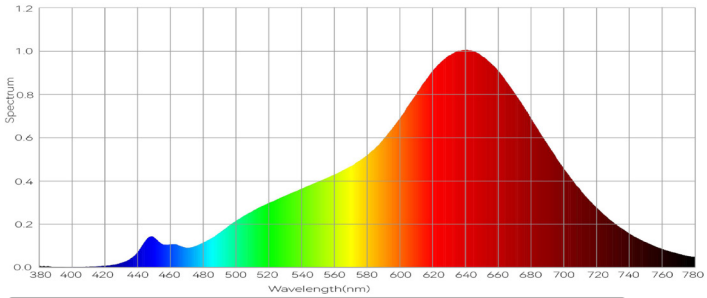
LED LIGHT MAT CHROMA



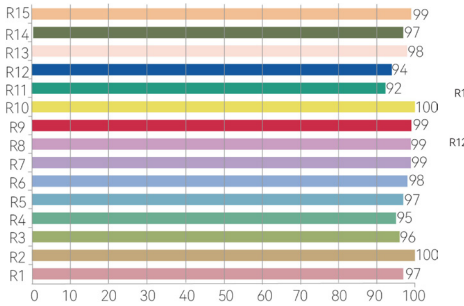


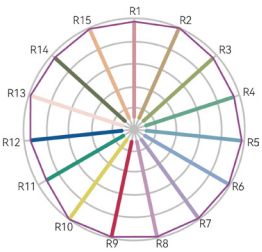
TM30 Data:Rf=91, Rg=101,
CQS=96 TLCI: TLCI=96.52

2835 FLAME COLOR RENDERING INDEX CCT 2262K Ra=96.6



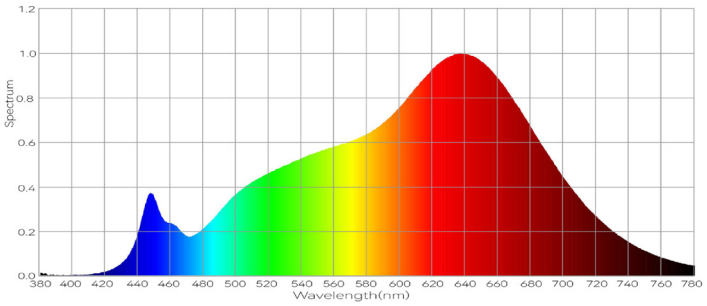
2835 FLAME COLOR SPECTRUM & WAVELENGTH CCT 2262K Ra=96.6



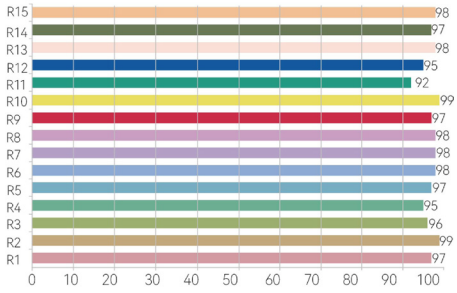


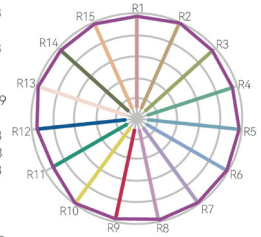
TM30 Data:Rf=96, Rg=102,
CQS=97 TLCI: TLCI=97.32

2835 TUNGSTEN COLOR RENDERING INDEX CCT 2766K Ra=97.3



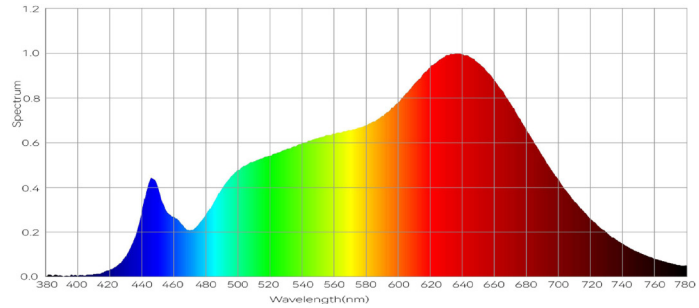
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 2766K Ra=97.3





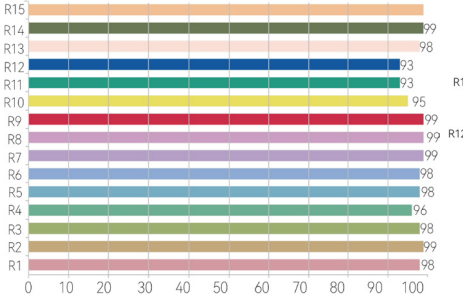
TM30 Data:Rf=98 , Rg=102,
CQS=98 TLCI: TLCI=98.3

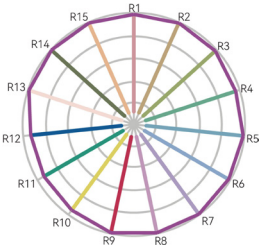
2835 TUNGSTEN COLOR RENDERING INDEX CCT 3152K Ra=97.4



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

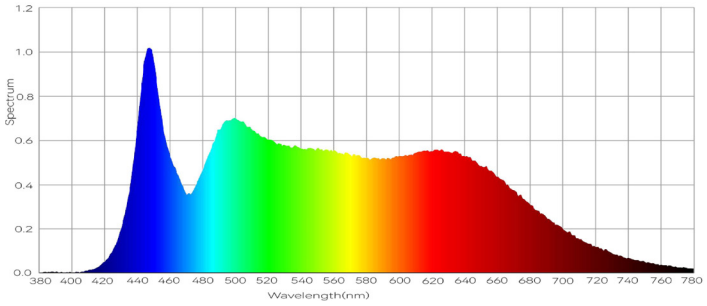
2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH



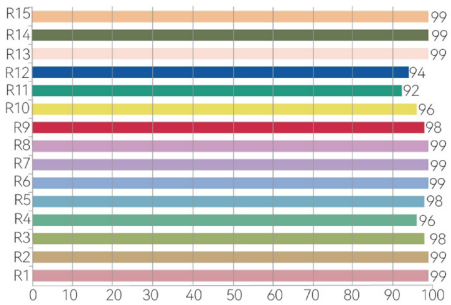


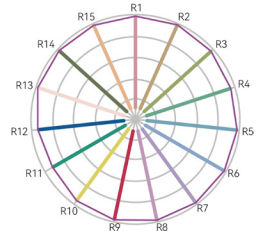
TM30 Data:Rf=97,Rg=103,
CQS=97 TLCI: TLCI=97.2

2835 DAYLIGHT COLOR RENDERING INDEX CCT 5653K Ra=98.3



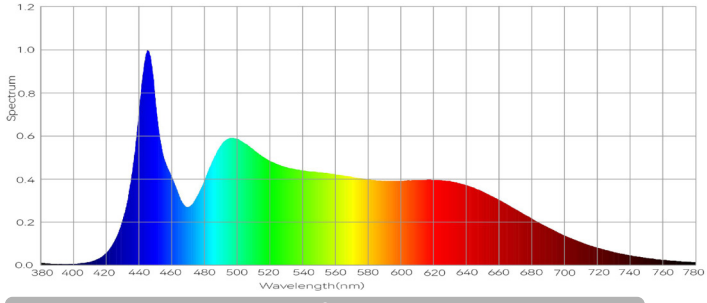
2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 5653K Ra=98.3





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

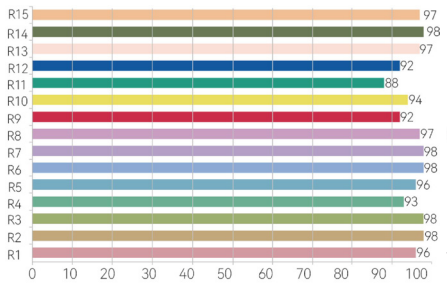
Tel:+86-755-23708101/23708102
Email: info@glu-light.com, sales@glu-light.com
Web: www.glulightstrip.com

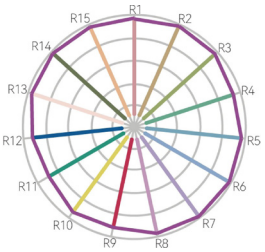
GLULighting®

LED FLEX MAT™ CINEMA CHROMA SERIES

2835RGBATD 1296LEDs SERIES

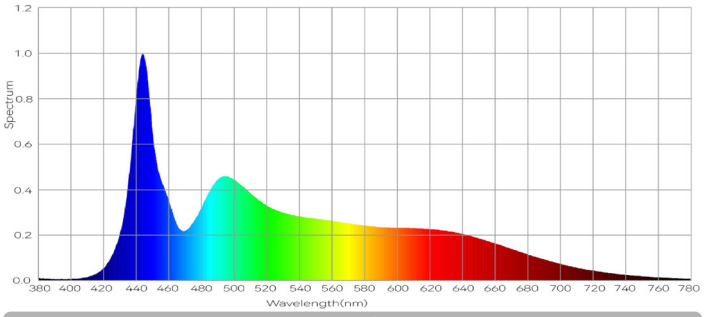
2024 Version 1.0





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

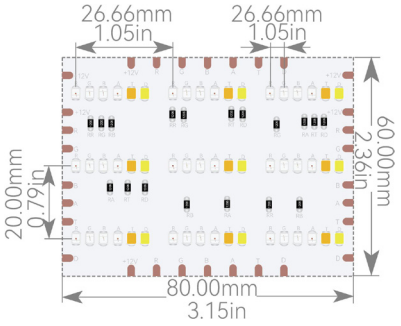
2835 BLUE DAYLIGHT COLOR RENDERING INDEX CCT 10518K Ra=96.9



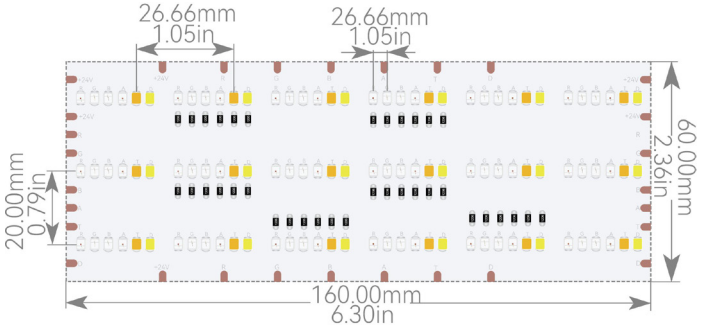
2835 BLUE DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 10518K Ra=96.9

DIMENSION

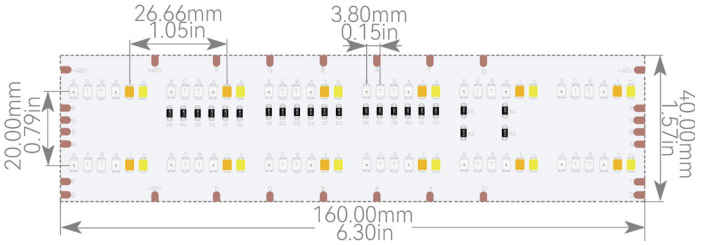
12V



24V



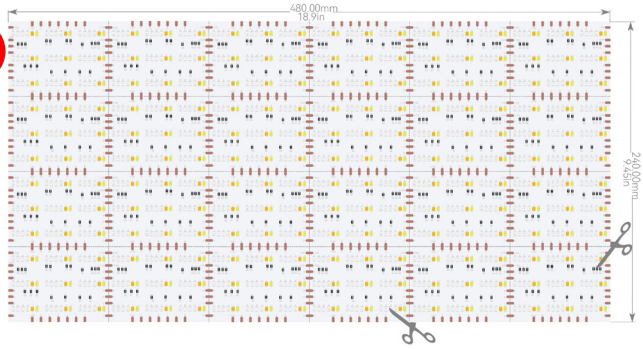
48V



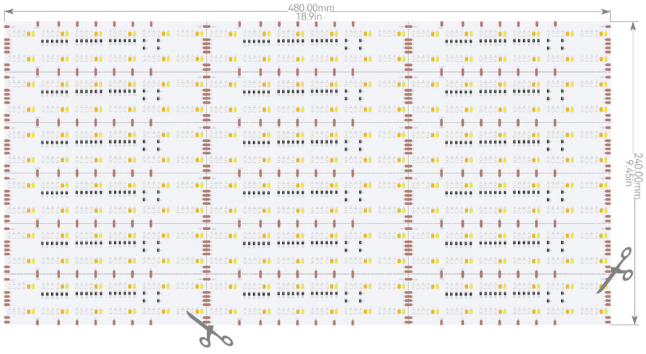
12V 24V 48V



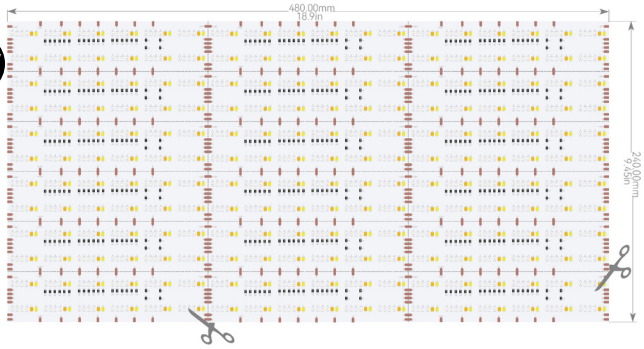
12V



24V



48V



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

LIGHT MAT CHROMA

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.
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