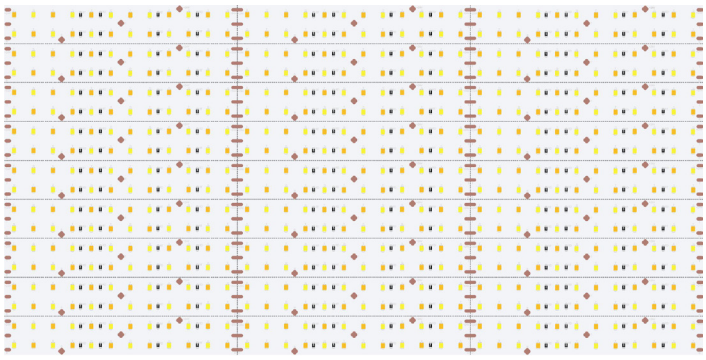
GLULighting®

LED FLEX MAT ™ CINEMA HYBRID SERIES

2835 HYBRID 648LEDs SERIES

2024 Version 1.0

CINEMA Hybrid 2835 LED Flex Panel ™ Series is one of the most popular series in the Flexible Panel family. CINEMA Hybrid LED Flex Panel ™ series use tungsten/flame combined with daylight sources CCT from 2000K with 10000K and among, high CRI 95+, with full spectrum R1-R15 all above 90, all TLCI>95, which offers realiable true color and give you a incredible color reproduction. By using your professional high frequency controller or DMX decoder supplied from GLU Lighting, it can achieve all CCT between.Cuttable with DC12V, DC24V and different density for choice, with 120 degree view angle allows for soft, even output even at close distances. Extremely vrsatile, light-weight, color-correct, and economical make all these LED Mat a hit with cinematographers and DOPs alike.



24V TECHNICAL SPECIFICATIONS, 24VDC

Product Name: LED Flex Mat ™ Cinema Hybrid 648LEDs Series

Product Code: GLUB24CV424L0300BI06W648C3

Part Number: GLU-P2L0300BI648-24V

Color: Hybrid/CCT/Bi-color

LED Qty./PCS: 648LEDs(Tungsten/Daylight each 324LEDs)

Working Voltage: 24 VDC Typ. (18-26 VDC Constant Voltage)

Max. Current per PCS: 4.32A

Max. Power per PCS: 100W

Current for each color per PCS: T/D 2.16A

Power for each color per PCS: T/D 50W

CCT Whites: Tungsten 2000-3500K Daylight 5000-10000K

CCT Whites(Typ.): Tungsten 2700K/2800K Daylight 5600K/6500K

View Angle: 120°

Lumen per PCS(Typ.):4200(Tungsten)/4740(Daylight)

CRI(Min.): 95+(Tungsten)/95+(Daylight)

R1-R15 Value(Typ.): 90+(Tungsten)/90+(Daylight)

TLCI(Typ.): 95+(Tungsten)/95+(Daylight)

TM-30 Data(Typ.): Rf>95, Rg>102,CQS>97(Tungsten/Daylight)

Cuttable or not: Yes

Dimension: 480mm×240mm(18.9in×9.45in)

Mini Cuttable Segment: 160×26.67mm(6.3×1.05in.)

Cuttable Segment per Piece: 27

LEDs per Cut Segment: 24pcs (Tungsten/Daylight each 12pcs)

Mat overall Thickness: 1.3mm(0.051 in.)

Copper Thickness: 3oz(1oz+2oz)

LED Specing(Same Color): 26.66mm(1.05in.) Center to Center

Connector: 3 pin Bared Cable(18AWG)

Mounting: 3M 9080HL(Others optional)

Weight: 0.146kg(0.32lb) include lead wire without backadhesive

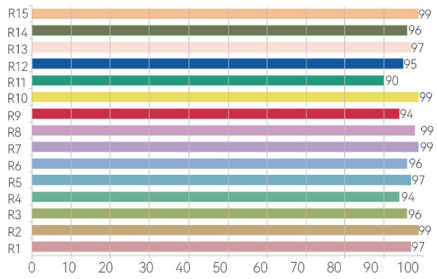
Operation Temperature: -20° C to +50° C

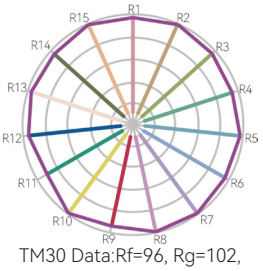
LED Lifetime: 50,000 Hrs

IP Grade: IP20

Certification: UL/CUL(US/Canada),CE Compliant (Europe)

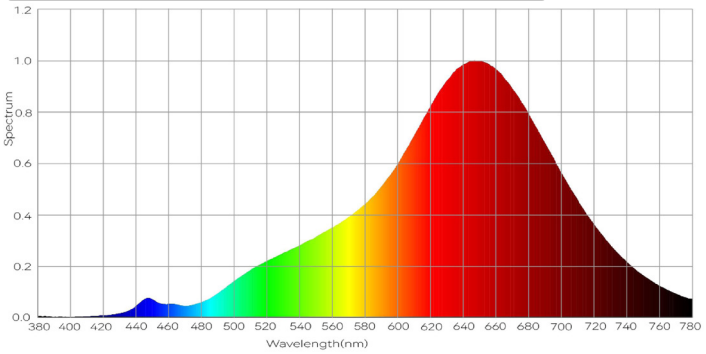
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH



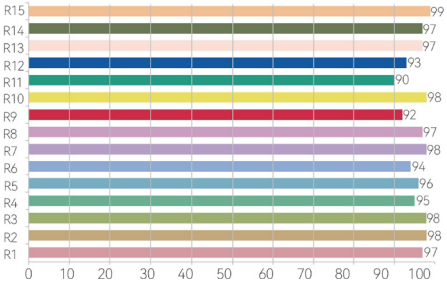


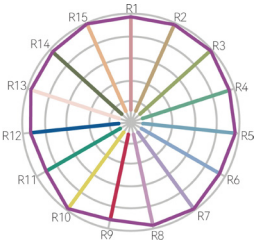
TM30 Data:Rf=96, Rg=102, CQS=97 TLCI: TLCI=97.32

2835 FLAME COLOR RENDERING INDEX CCT 2008K Ra=97.1



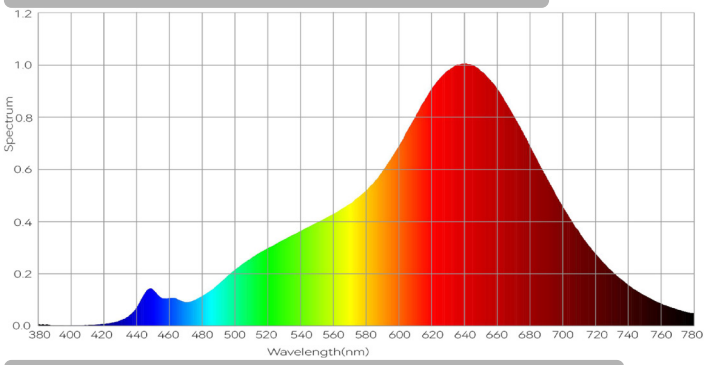
2835 FLAME COLOR SPECTRUM & WAVELENGTH CCT 2008K Ra=97.1





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

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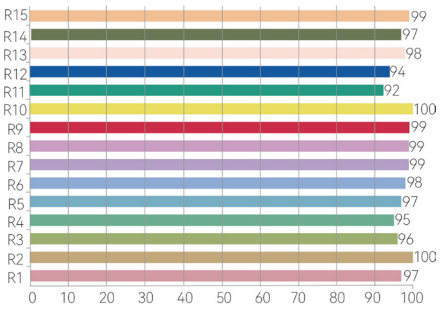
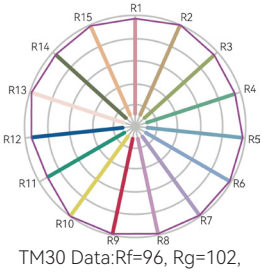
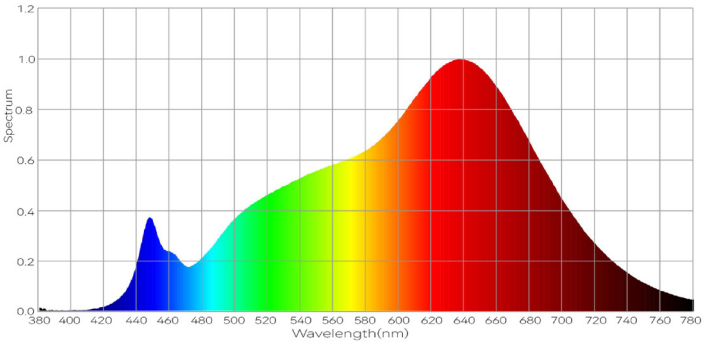
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH





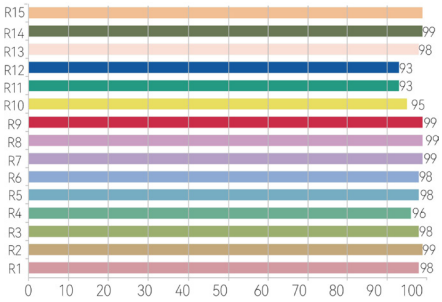
TM30 Data:Rf=96, Rg=102,
CQS=97 TLCI: TLCI=97.32

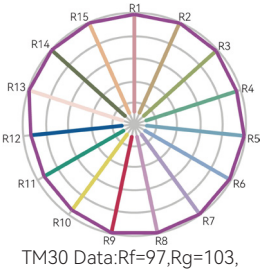
2835 TUNGSTEN COLOR RENDERING INDEX CCT 2766K Ra=97.3



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

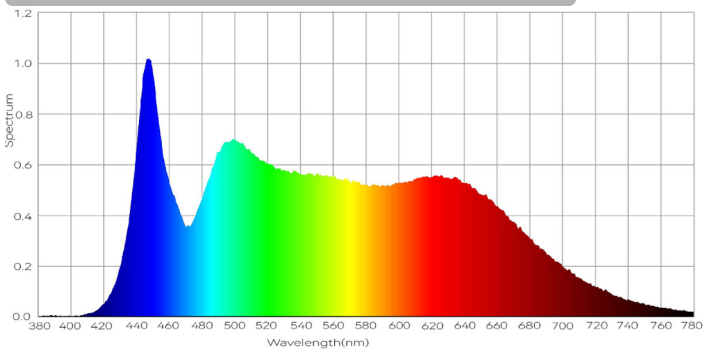
2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH



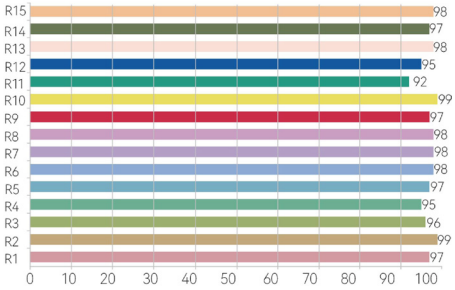


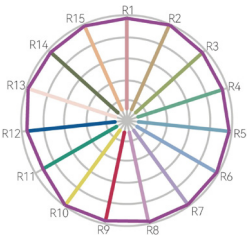
TM30 Data:Rf=97,Rg=103,
CQS=97 TLCI: TLCI=97.2

2835 DAYLIGHT COLOR RENDERING INDEX CCT 5653K Ra=98.3



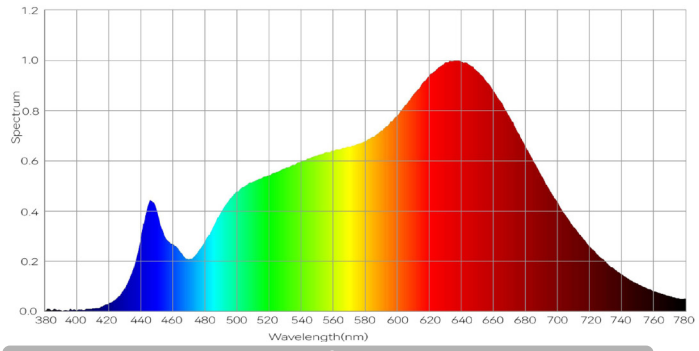
2835 DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 5653K Ra=98.3



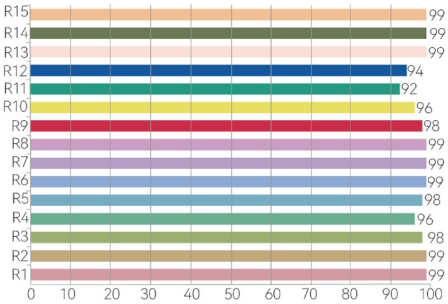


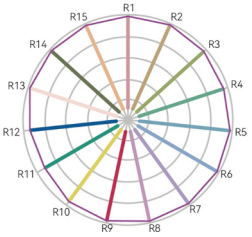
TM30 Data:Rf=98 , Rg=102,
CQS=98 TLCI: TLCI=98.3

2835 TUNGSTEN COLOR RENDERING INDEX CCT 3152K Ra=97.4



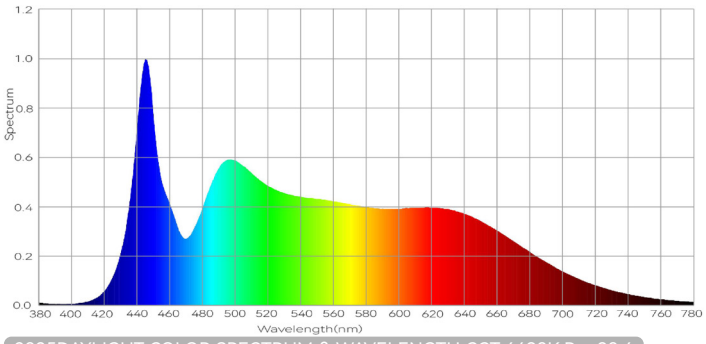
2835 TUNGSTEN COLOR SPECTRUM & WAVELENGTH CCT 3152K Ra=97.4



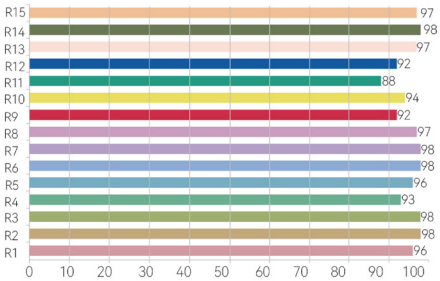


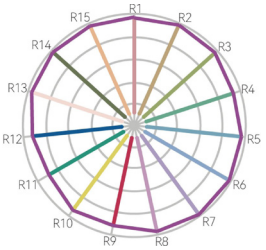
TM30 Data:Rf=96, Rg=102
CQS=97 TLCI: TLCI=97.4

2835DAYLIGHT COLOR RENDERING INDEX CCT 6498K Ra=98.4



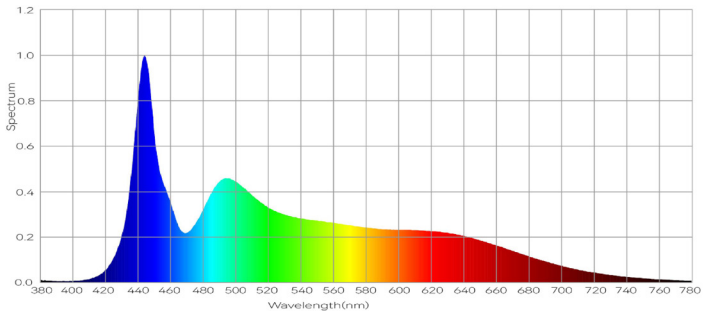
2835DAYLIGHT COLOR SPECTRUM & WAVELENGTH CCT 6498K Ra=98.4





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

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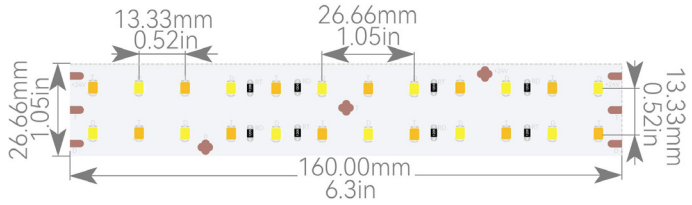
PHOTOMETRIC DATA @24V DC 100W – *Centimeters(ft)/Lux(Fc)*

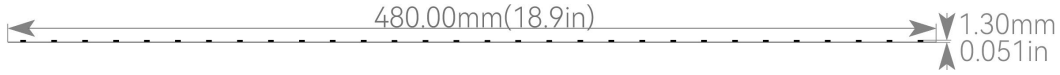
	30.5cm(1ft)		61cm(2ft))		91cm(3ft))		122cm(4ft))		152cm(5ft))	
	Lux	Footcandle(Fc)	Lux	Footcandle(Fc)	Lux	Footcandle(Fc)	Lux	Footcandle(Fc)	Lux	Footcandle(Fc)
Tungsten 2800K	10100	980	4100	390	2200	210	1370	129	930	88
Daylight 6500K	15600	1450	6000	560	3200	300	1950	180	1310	125

DIMENSION

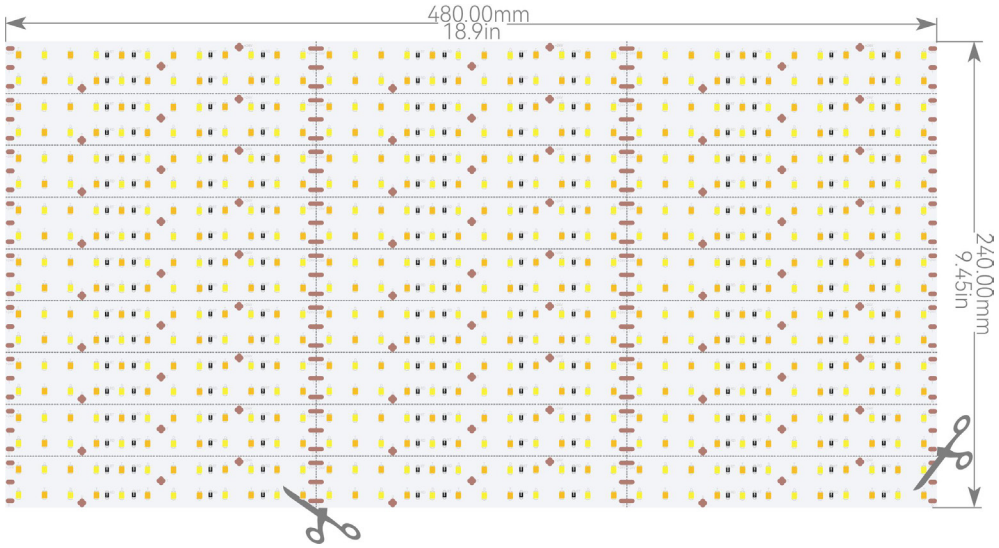
24V



24V



24V



ACCESSORIES

Jummper Wire

18AWG Jummper Wire in 15cm	GLU-W3P-15
18AWG Jummper Wire in 100m Roll	GLU-W3P-10000

High Frequency DMX Decoder

12-24V, 4CH×5A	PWM 5K/10K/20K/30KHz	GDE0405HF-LCD
12-24V, 4CH×10A	PWM 5K/10K/20K/30KHz	GDE0410HF
12-24V, 25-48V, 6CH×5A	PWM 5K/10K/20K/30KHz	GDE0605HF
12-24V 6CH×10A	PWM 5K/10K/20K/30KHz	GDE0610HF

High Frequency CCT Dimmer

12-24V, 2CH×6A RF Dimmer	8K/16KHz	DIM0206HF-3BRF
12-24V, 2CH×10A(Max.) Rotary RF Dimmer	1K/2K/4K/8K/16KHz	DIM02010HF-2XRF

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.

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