



SPECIFICATIONS

Model:	FS-L2835-XXXX-120-24-WP
Color Temperature:	3000K • 3500K • 4000K
LED Type:	2835 SMD
LED Qty:	120 LEDs per meter
LM/LED:	8 Lm per LED
Input Voltage (VF):	24V DC
Power:	10W per meter (3W/ft)
Brightness:	980 Lm/meter (298 Lm/ft)
Lifespan:	>50,000 hours
PCB:	4oz PCB, Double-side, white colour
IP Rating:	IP68 (Waterproof)
Rendering Index (Ra):	CRI>95
Beam Angle:	120°
Dimmable:	Yes
Cut Size:	Every 6 LED chips (2")
Operating Temperature:	-40°C to +40°C
Dimensions:	20,000mm x 14mm x 5.8mm (787.2" x 0.55" x 0.22")
Certificates:	UL / RoHs
Roll Length:	20 meter roll (65.6ft)



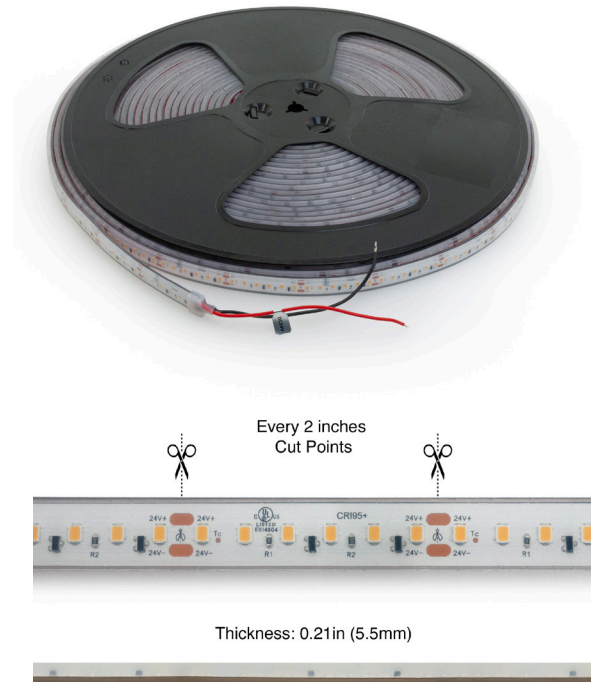
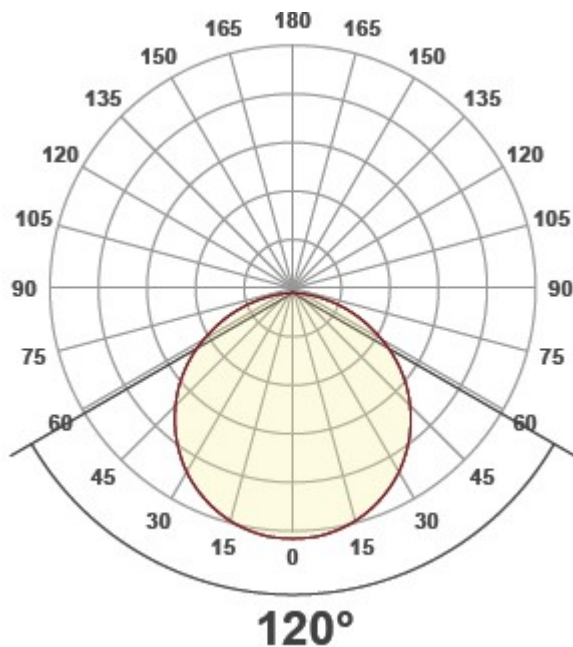
SKU: 666561429201



SKU: 666561435295



SKU: 666561430146



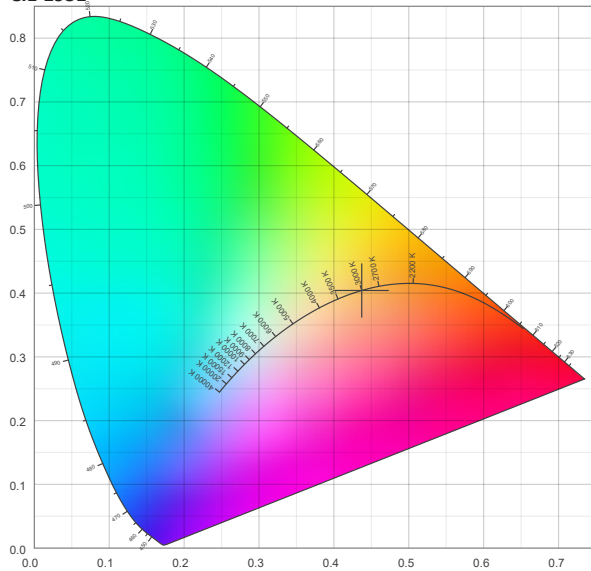
Disclaimer

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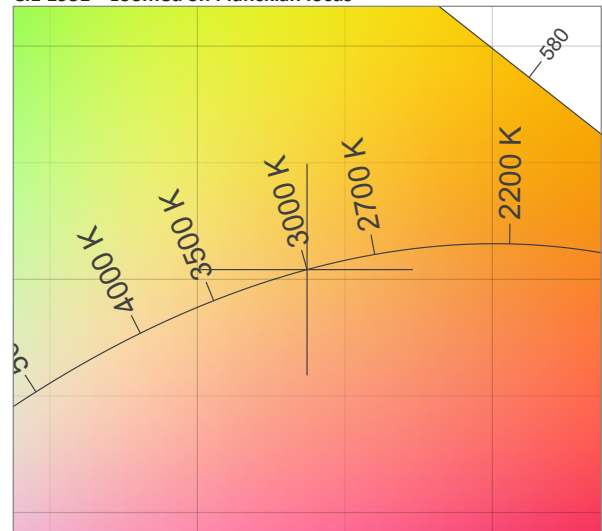


Color Rendering TM30-18 Color Quality Scale

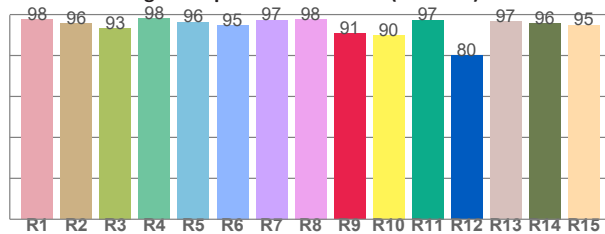
CIE 1931



CIE 1931 – zoomed on Planckian locus



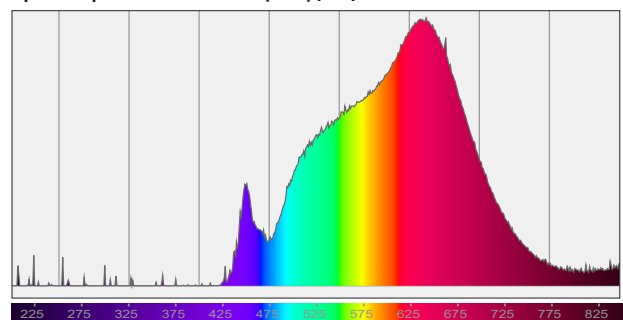
Color Rendering Index per reference color (CIE 1995)



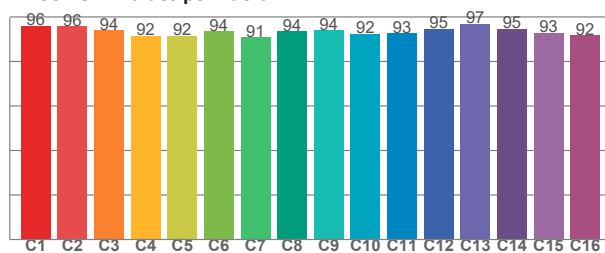
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	95.5	93.4	98.0	96.4	94.8	97.4	97.7	90.7	89.9	97.5	80.0	96.5	95.8	94.9

Spectral power distribution (SPD) / W/nm – 0-100%



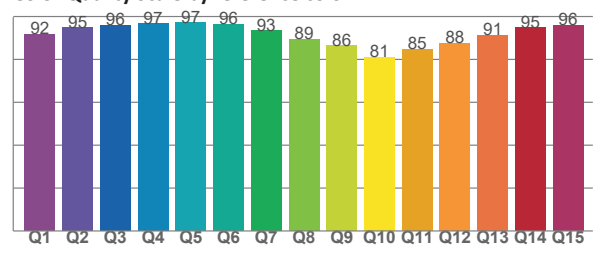
TM30-18 Rf-values per hue bin



TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	95.8	94.0	91.7	91.6	93.6	90.8	93.6	94.0	92.4	92.6	94.7	97.0	94.6	92.9	91.7

Color Quality Scale by reference color

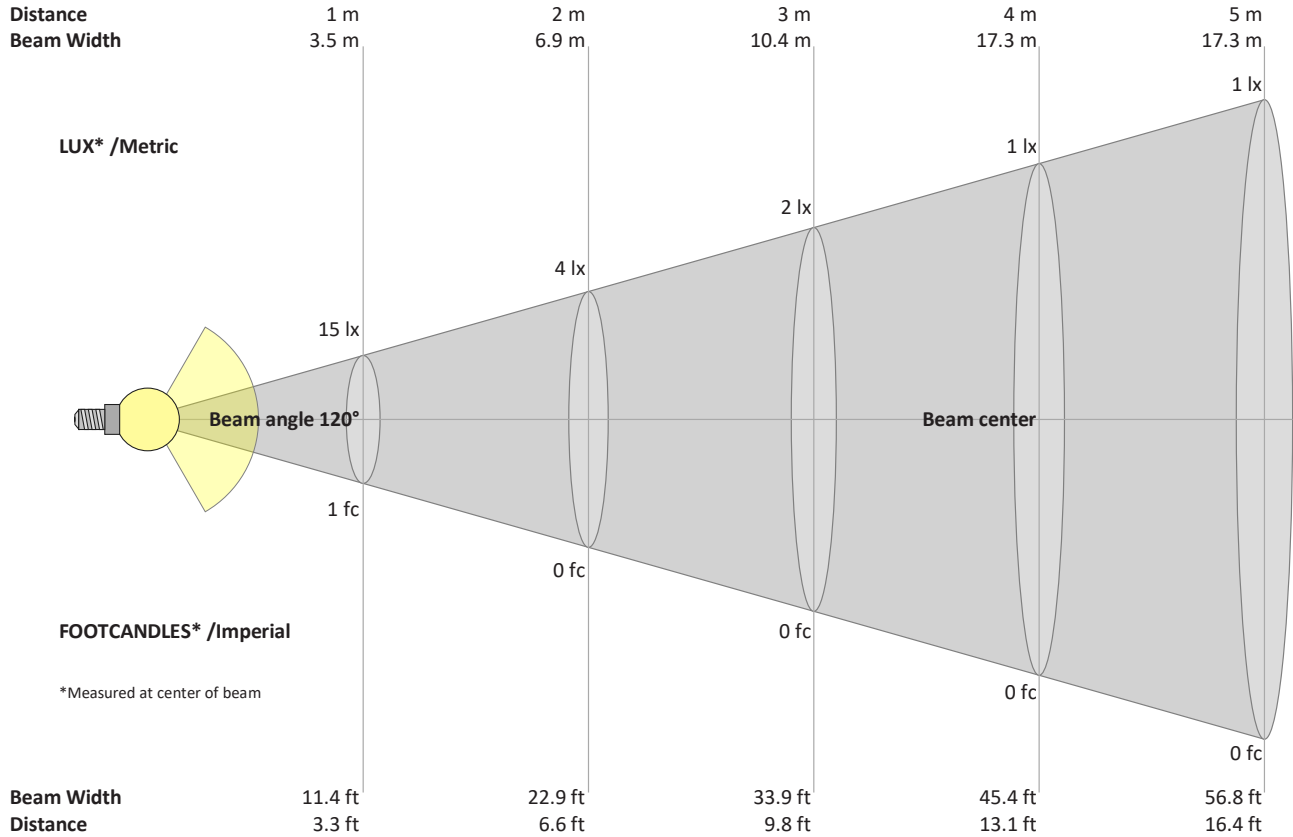


CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	94.8	95.9	96.6	97.1	96.4	93.4	89.2	86.3	81.1	84.7	87.6	91.4	94.7	96.0



Beam Details



Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
15	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	lux
1.4	0.3	0.2	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	fc

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	γ
15.0	14.9	14.7	14.4	13.9	13.4	12.7	12.0	11.1	10.2	9.1	8.0	6.8	5.6	4.4	3.1	1.9	0.9	0.2	0.0	cd
100%	99%	98%	96%	93%	89%	85%	80%	74%	68%	61%	53%	46%	37%	29%	21%	13%	6%	1%	0%	of 0°val

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	γ
15.0	15.1	14.9	14.7	14.3	13.8	13.2	12.5	11.6	10.7	9.8	8.8	7.8	6.8	6.0	5.1	3.9	2.7	1.9	1.6	cd
100%	100%	99%	98%	95%	92%	88%	83%	77%	72%	65%	59%	52%	45%	40%	34%	26%	18%	13%	10%	of 0°val

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	γ
15.0	14.9	14.7	14.4	13.9	13.4	12.7	12.0	11.1	10.2	9.1	8.0	6.8	5.6	4.4	3.1	1.9	0.9	0.2	0.0	cd
100%	99%	98%	96%	93%	89%	85%	80%	74%	68%	61%	53%	46%	37%	29%	21%	13%	6%	1%	0%	of 0°val

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	γ
15.0	15.1	14.9	14.7	14.3	13.8	13.2	12.5	11.6	10.7	9.8	8.8	7.8	6.8	6.0	5.1	3.9	2.7	1.9	1.6	cd
100%	100%	99%	98%	95%	92%	88%	83%	77%	72%	65%	59%	52%	45%	40%	34%	26%	18%	13%	10%	of 0°val