

Florence LED Tapelight Specifications



Florence is a high-end flexible tape light manufactured in Sheet-to-Sheet method using intelligent design and high-quality components. Osram LEDs, 30z double layer copper conductors, gold-plated



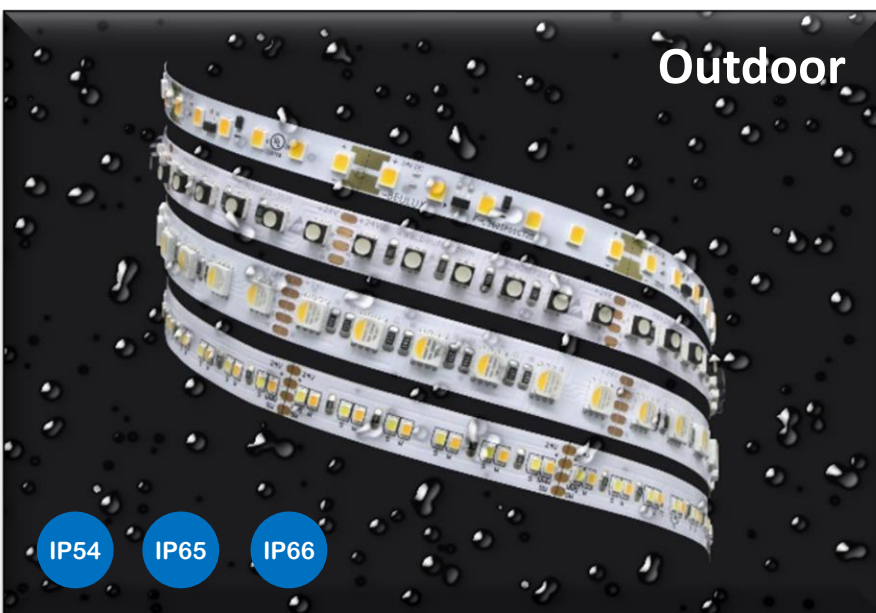
solder pads and constant current ICs guarantee uniform light levels even with longer run lengths up to 55'. Dimmable with all common dimming protocols. Equipped with 3M thermal dissipation adhesive tape. 24V DC. Discharge and reverse polarization protection.

LM
80

CRI
90+



This hydrophobic, plasma-enhanced and super-thin coating enhances the durability of this tape light without the problems that Silicone or Polyurethane coatings bear. Applied under vacuum condition in condensation method.



- **Moisture resistance:** water and many other organic substances have no effect on this coating
- **No light loss:** same lumen output as the IP00 tape
- **No shift in color temperature:** CCTs stay the same as with IP00 tape
- **No temperature increase:** no heat build-up as in encapsulated products guarantees longer lifetime and quality stability

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Technical Information

Product	CCT	Output (lm/ft)	LEDs/ft	Consump. (watt/ft)	Efficacy (lm/watt)	CRI	Voltage	Max run length	Cut increment
L200	2700K	174	36	1.68	102	>90	24	55'	1.96"
	3000K	180	36	1.68	110	>90	24	55'	1.96"
	3500K	188	36	1.68	112	>90	24	55'	1.96"
	4000K	204	36	1.68	120	>90	24	55'	1.96"
L360	2700K	307	36	3.12	100	>90	24	42'	1.96"
	3000K	342	36	3.12	111	>90	24	42'	1.96"
	3500K	350	36	3.12	111	>90	24	42'	1.96"
	4000K	361	36	3.12	117	>90	24	42'	1.96"
L500	2700K	431	36	4.32	97	>90	24	32'	1.96"
	3000K	486	36	4.32	110	>90	24	32'	1.96"
	3500K	500	36	4.32	111	>90	24	32'	1.96"
	4000K	505	36	4.32	114	>90	24	32'	1.96"
L780	2700K	666	36	6.72	92	>90	24	24'	1.96"
	3000K	740	36	6.72	107	>90	24	24'	1.96"
	3500K	755	36	6.72	108	>90	24	24'	1.96"
	4000K	786	36	6.72	108	>90	24	24'	1.96"
L990	2700K	859	36	9.36	92	>90	24	16'	1.96"
	3000K	900	36	9.36	96	>90	24	16'	1.96"
	3500K	930	36	9.36	100	>90	24	16'	1.96"
	4000K	995	36	9.36	106	>90	24	16'	1.96"
TW1865	1800-6500K	60-850	73	5.8	10-146	>90	24	16'	2"
TW2740	2700-4000K	210-430	73	5.8	36-74	>90	24	16'	2"
Dim-to-warm	2100-3000K	650	73	5.85	111	>90	24	16'	2"
SR	Red	45	72	6.0	7	>90	24	16'	1"
SG	Green	261	72	6.0	43	>90	24	16'	1"
SB	Blue	65	72	6.0	11	>90	24	16'	1"
SY	Yellow	26	72	6.0	4	>90	24	16'	1"
RGB-3535	SMD 3535	RGB	36	3.7	N/A	N/A	24	16'	2"
RGB-3838	SMD 3838	RGB	73	5	N/A	N/A	24	16'	1"
RGB-5050	SMD 5050	RGB	22	4.4	N/A	N/A	24	16'	3.28"
RGBW	RGBW	305	29	7.0	44	>80	24	13'	2.46"

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Tapelight Ordering Codes

Example: F-L360IP66CT27-4'

(Florence, ~360 lm/ft, Outdoor, 2700K)

PRODUCT LINE	+	OUTPUT	+	IP RATING	+	COLOR TEMP	+	RUN LENGTH	
F Florence		L200	~ 200 lm/ft		IP00	Indoor	CT27	2700k	Enter run length
		L360	~ 360 lm/ft		IP66	Outdoor	CT30	3000k	
		L500	~ 500 lm/ft				CT35	3500k	
		L780	~ 780 lm/ft				CT40	4000k	
		L990	~ 990 lm/ft						
		TW	Tunable White		IP00	Indoor	1865	1800-6500K	
					IP65	Outdoor	2740	2700-4000K	
		DTW	Dim-to-Warm		IP20	Indoor	2130	2100-3000K	
					IP54	Outdoor			
		N/A			IP00	Indoor	SR	Static Red	
					IP54	Outdoor	SG	Static Green	
							SB	Static Blue	
							SY	Static Yellow	
	N/A			IP00	Indoor	RGB-3535	RGB		
				IP65	Outdoor	RGB-5050			
	N/A			IP20	Indoor	RGB-3838	RGB		
	RGBW	RGBW		IP00	Indoor	CT30	3000k		
				IP54	Outdoor	CT35	3500k		

Connectors

TL-CON



Tapelight Connector

TL-LCON



Tapelight L-Connector

TL-JC2



2" Jumper Cable

TL-JC12



12" Jumper Cable

TL-PF48



48" Power Feed

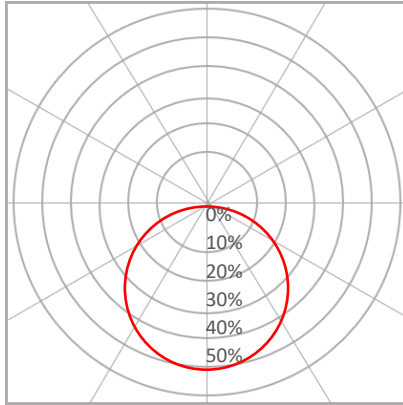
CON8x8-JC



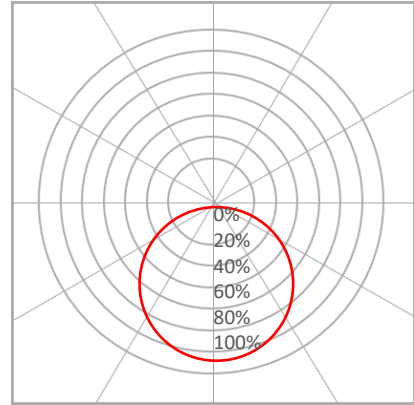
Jumper cable 8" x 8"

Photometric

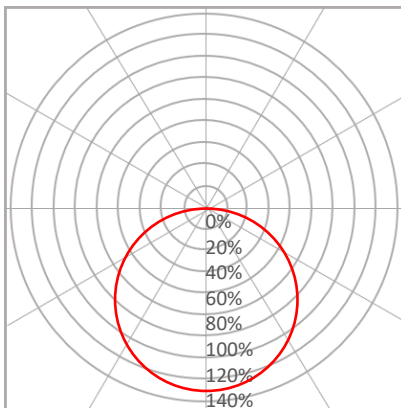
F-L200



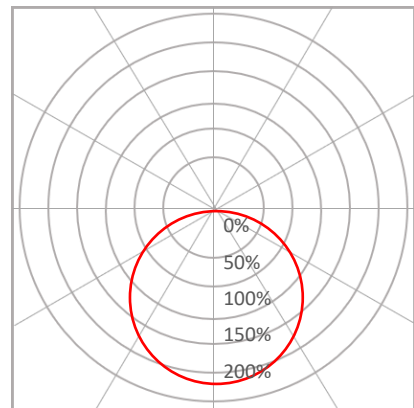
F-L360



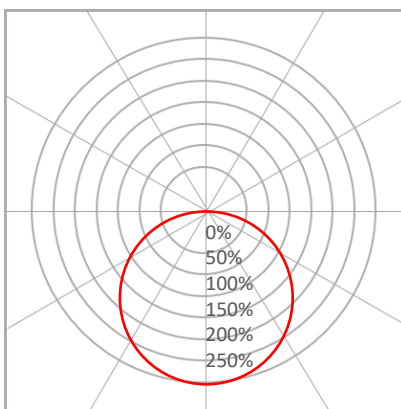
F-L500



F-L780



F-L990



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Power Supply Ordering Codes

DTR		+	60		+	IP67		DTR60IP67 - Dimming, 60 Watt, IP67			
MODEL		+	POWER		+	IP RATING		INPUT	OUTPUT	DIMENSION	
NTR Non-Dimming			50	50 Watt		IP00 Indoor	88-264V	24V	3.90 x 3.82 x 1.42		
		75	75 Watt	5.08 x 3.82 x 1.50							
		100	100 Watt	6.26 x 3.82 x 1.50							
		150	150 Watt	7.84 x 3.85 x 1.50							
		200	200 Watt	8.46 x 4.53 x 1.18							
		320	320 Watt	8.46 x 4.53 x 1.18							
						IP42 Indoor	90-264V	24V	3.03 x 1.57 x 1.14		
		12	12 Watt	3.03 x 1.57 x 1.14							
		16	16 Watt	3.31 x 2.24 x 1.16							
		25	25 Watt	3.31 x 2.24 x 1.16							
		35	35 Watt	3.31 x 2.24 x 1.16							
						IP67 Outdoor	90-264V	24V	4.65 x 1.38 x 1.02		
		20	20 Watt	5.83 x 1.57 x 1.18							
		35	35 Watt	6.40 x 1.67 x 1.26							
		60	60 Watt	7.48 x 2.05 x 1.46							
	100	100 Watt	7.52 x 2.48 x 1.48								
	150	150 Watt	9.61 x 2.68 x 1.53								
	240	240 Watt	9.61 x 2.68 x 1.53								
DTR Dimming (0-10V)			16	16 Watt		IP67 Outdoor	90-305V	24V	5.83 x 1.57 x 1.26		
		25	25 Watt	5.83 x 1.57 x 1.26							
		40	40 Watt	6.40 x 1.70 x 1.26							
		60	60 Watt	6.40 x 1.70 x 1.26							
		90	90 Watt	6.34 x 2.40 x 1.42							
		100	100 Watt	8.66 x 2.68 x 1.53							
		120	120 Watt	8.66 x 2.68 x 1.53							
		150	150 Watt	8.97 x 2.68 x 1.58							
		185	185 Watt	8.97 x 2.68 x 1.58							
		240	240 Watt	9.88 x 2.68 x 1.58							
		320	320 Watt	9.92 x 3.54 x 1.72							
		480	480 Watt	10.32 x 4.92 x 1.72							
	600	600 Watt	11.02 x 5.67 x 1.91								
FPD Dimming (Forward Phase)			20	20 Watt		IP67 Outdoor	120V	24V	4.92 x 2.20 x 0.79		
		40	40 Watt	4.92 x 2.20 x 0.79							
		60	60 Watt	4.92 x 2.20 x 0.79							
		75	75 Watt	4.92 x 2.20 x 0.79							
		96	96 Watt	4.92 x 2.20 x 0.79							
		150	150 Watt	9.24 x 3.00 x 2.74							

Florence LED Tapelight – Pixilation Table **BEULUX**

● Has Pixilation

⊖ Minor Pixilation

○ No Pixilation

n/a Not Applicable

EXTRUSION	+ LENS	F-L200	F-L360	F-L500	F-L780	F-L990	F-TW 27-40	F-TW 18-65	Dim to Warm	F-RGB- 3535	F-RGB- 5050	F-RGB- 3838	F-RGBW
AA01	AA99-SL	○	○	○	○	○	○	○	n/a	n/a	n/a	n/a	n/a
AA02	AA99-SL	●	●	⊖	n/a	n/a	○	○	●	●	●	●	●
AB02	AB02-SL	○	○	○	n/a	n/a			n/a	n/a	n/a	n/a	n/a
AC02	AC02-SL	○	○	○	○	○	○	○	○	○	○	○	○
AD02	AD02-SL	○	○	○	○	○	○	○	○	○	○	○	○
AA03IN	AA99-SL	⊖	○	○	○	n/a	○	○	○	○	○	○	○
AA03IN	AA99-SL90	○	○	○	○	n/a	○	○	○	○	○	○	○
AA03OUT	AA99-SL	⊖	○	○	○	n/a	○	○	○	○	○	○	○
AA03OUT	AA99-SL90	○	○	○	○	n/a	○	○	○	○	○	○	○
AA07	AA99-SL	⊖	○	○	n/a	n/a	○	○	○	○	○	○	○
AG01	AG01-SL	○	○	○	○	○	○	○	○	○	○	○	○
AL02	AL02-SL	●	●	n/a	n/a	n/a	●	●	●	●	●	●	●
BA02	BA02-SL	○	○	○	○	○	○	○	○	○	○	○	○
CT01	CT99-DL	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CT02	CT99-DL	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CT06	CT99-DL	○	○	○	○	n/a	○	○	○	○	○	○	○
JA01	JA01-SL	○	○	○	○	○	○	○	⊖	⊖	⊖	⊖	⊖
JB01	JB01-SLS	○	○	○	○	○	○	○	○	○	○	○	○
JC01	JC01-SLS	○	○	○	○	○	○	○	○	○	○	○	○
JD01	JD01-SLS	○	○	○	○	○	○	○	○	○	○	○	○
JF04	JF04-SL	●	⊖	○	n/a	n/a	○	○	○	○	○	○	○
JF04	JF04-SL90	○	○	○	n/a	n/a	○	○	○	○	○	○	○
JG04	JG04-SL	○	○	○	○	○	○	○	○	○	○	○	○
JG04	JG04-SL90	○	○	○	○	○	○	○	○	○	○	○	○
JM02	JM02-SLS	○	○	○	○	○	○	○	○	○	○	○	○
JM02	JM02-DL	○	○	○	○	○	○	○	○	○	○	○	○
LA01	LA01-SL	○	○	○	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LB03IN	LB03-SL	○	○	○	n/a	n/a	○	○	○	○	○	○	n/a
LB03OUT	LB03-SL	○	○	○	n/a	n/a	○	○	○	○	○	○	n/a
LC07	LC07-SL	○	○	○	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Florence LED Tapelight – Pixilation Table **BEULUX**

● Has Pixilation

⊖ Minor Pixilation

○ No Pixilation

n/a Not Applicable

EXTRUSION	+ LENS	F-L200	F-L360	F-L500	F-L780	F-L990	F-TW 27-40	F-TW 18-65	Dim to Warm	F-RGB- 3535	F-RGB- 5050	F-RGB- 3838	F-RGBW
LC07	LC07-SL	○	○	○	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LD01	LD01-SL	○	○	○	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LE05	LEF15-SL	○	○	○	○	○	○	○	○	○	○	○	○
LF01	LEF15-SL	○	○	○	○	○	○	○	○	○	○	○	○
LH01	LH99-SL	○	○	○	○	○	○	○	●	●	●	●	●
LH02	LH99-SL	○	○	○	○	○	○	○	○	●	●	●	●
LH08	LH99-SL	○	○	○	○	○	○	○	○	●	●	●	●
PH01	PH99 (PMMA)	○	○	○	○	n/a	○	○	○	○	○	○	○
PH02	PH99 (PMMA)	○	○	○	○	n/a	○	○	○	○	○	○	○
PH03	PH99 (PMMA)	○	○	○	○	n/a	○	○	○	○	○	○	○
PH04	PH99 (PMMA)	○	○	○	○	○	○	○	○	○	○	○	○
TM02	TM02-BL	○	○	○	○	○	○	○	○	○	○	○	○
UT01	UT01-SL	○	○	○	○	○	○	○	○	○	○	○	○
VT01	VT01-SL	○	○	○	n/a	n/a	○	○	○	○	○	○	○
VT02	VT02-SL	○	○	○	n/a	n/a	○	○	○	○	○	○	○
VT03	VT03-SL	○	○	○	○	○	○	○	○	○	○	○	○
XT01	XT99-DL	○	○	○	○	○	○	○	○	○	○	○	○
XT01	XT99-SLS	○	○	○	○	○	○	○	○	○	○	○	○
XT02	XT99-DL	○	○	○	○	○	○	○	○	○	○	○	○
XT02	XT99-SLS	○	○	○	○	○	○	○	○	○	○	○	○
YT01	YT99-SL	●	●	●	n/a	n/a	●	●	●	●	●	●	●
YT01	YT99-DL	○	○	○	n/a	n/a	○	○	○	○	○	○	○
YT02	YT99-SL	●	●	●	n/a	n/a	●	●	●	●	●	●	●
YT02	YT99-DL	○	○	○	n/a	n/a	○	○	○	○	○	○	○
YT041	YT041-SL	⊖	○	○	n/a	n/a	○	○	○	○	○	○	○
YT05	YT99-SL	○	○	○	○	n/a	⊖	○	○	○	○	○	○
YT05	YT99-DL	○	○	○	○	n/a	○	○	○	○	○	○	○
YT06	YT99-SL	●	●	●	○	○	●	●	●	●	●	●	●
YT06	YT99-DL	○	○	○	○	○	○	○	○	○	○	○	○

Florence LED Tapelight – Compatibility



● Compatible ○ Not Compatible

Code	Cross Section	L200	L360	L500	L780	L990	TW	RGB	RGBW
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Recessed

CT01		●	●	○	○	○	○	○	○
LA01		●	●	●	●	●	○	○	○
xT01		●	●	●	●	●	●	●	●
YT01		●	●	●	○	○	●	●	●

Recessed Flangeless

AA01		●	●	●	●	●	●	○	○
AG01		●	●	●	●	●	●	●	●
JA01		●	●	●	●	●	●	●	●
JB01		●	●	●	●	●	●	●	●
JC01		●	●	●	●	●	●	●	●
JD01		●	●	●	●	●	●	●	●
LB03IN		●	●	●	○	○	●	●	○
LB03OUT		●	●	●	○	○	●	●	○

Surface Mount

AA02		●	●	○	○	○	●	●	●
CT02		●	●	○	○	○	○	○	○
LC07		●	●	●	●	●	○	○	○
YT02		●	●	●	○	○	●	●	●
YT06		●	●	●	●	●	●	●	●

Surface Mount / Pendant

AL02		●	●	○	○	○	●	○	●
VT01		●	●	●	○	○	●	●	●
VT02		●	●	●	○	○	●	●	●
VT03		●	●	●	●	●	●	●	●
VT04		●	●	●	●	●	●	●	●
xT02		●	●	●	●	●	●	●	●

Pendant

YT07		●	●	●	○	○	●	●	●
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Florence LED Tapelight – Compatibility



● Compatible ○ Not Compatible

Code	Cross Section	L200	L360	L500	L780	L990	TW	RGB	RGBW
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90° / Corner

JF04		●	●	●	○	○	●	●	●
JG04		●	●	●	●	●	●	●	●
YT04		●	●	●	○	○	●	●	●

Closet Rod

CT06		●	●	●	●	○	●	●	●
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Flexible

YT09		●	●	●	○	○	●	●	●
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Perimeter

YT05		●	●	●	●	○	●	●	●
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Shelf Holder / Edge Lit

AK06		●	●	●	●	●	●	●	○
AM06		●	●	●	●	●	●	●	○

Under-Tile

AA03IN		●	●	●	●	○	●	●	●
AA03OUT		●	●	●	●	○	●	●	●
AA07		●	●	●	○	○	●	●	●

Walk-Over

UT01		●	●	●	●	●	●	●	●
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Outdoor Walk-Over

PH01		●	●	●	●	○	●	●	●
PH02		●	●	●	●	○	●	●	●
PH03		●	●	●	●	○	●	●	●

Outdoor Surface Mount

AP02		●	●	●	●	○	●	●	●
PH02		●	●	●	●	○	●	●	●

CUSTOMIZATION	TL48	LN99	EX99	M99	C99	F48	F48C	IP68
Cutting tapelight to specified length + solder 4ft leadwire	✓					✓	✓	
Installing tapelight onto extrusion						✓	✓	
Cutting diffuser to specified length		✓				✓	✓	
Cutting extrusion to specified length			✓			✓	✓	
Miter corner extrusion and diffuser				✓				
Filling extrusion with polyurethane (2 ft submersible)								✓
Customize extrusion to specified color					✓		✓	
Final function and quality inspection	✓	✓	✓	✓	✓	✓	✓	✓