

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, 3Oz 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.

IP00

LM
80

CRI
95+

c  US
LISTED



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

IP65

IP66

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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	1.6	102	>90	24	55'	2"
	3000K	180	36	1.6	110	>90	24	55'	2"
	3500K	188	36	1.6	112	>90	24	55'	2"
	4000K	204	36	1.6	120	>90	24	55'	2"
L360	2700K	307	36	2.9	100	>90	24	42'	2"
	3000K	342	36	2.9	111	>90	24	42'	2"
	3500K	350	36	2.9	111	>90	24	42'	2"
	4000K	361	36	2.9	117	>90	24	42'	2"
L500	2700K	431	36	4.3	97	>90	24	32'	2"
	3000K	486	36	4.3	110	>90	24	32'	2"
	3500K	500	36	4.3	111	>90	24	32'	2"
	4000K	505	36	4.3	114	>90	24	32'	2"
L780	2700K	666	36	6.9	92	>90	24	24'	2"
	3000K	740	36	6.9	107	>90	24	24'	2"
	3500K	755	36	6.9	108	>90	24	24'	2"
	4000K	786	36	6.9	108	>90	24	24'	2"
L990	2700K	859	36	9.2	92	>90	24	16'	2"
	3000K	900	36	9.2	96	>90	24	16'	2"
	3500K	930	36	9.2	100	>90	24	16'	2"
	4000K	995	36	9.2	106	>90	24	16'	2"
TW1865	1800K-6500K	60-850	73	5.8	10-146	>90	24	16'	2"
TW2740	2700K-4000K	210-430	73	5.8	36-74	>90	24	16'	2"
SR	Red	Red	72	7.0	N/A	N/A	24	16'	1'
SG	Green	Green	72	7.0	N/A	N/A	24	16'	1'
SB	Blue	Blue	72	7.0	N/A	N/A	24	16'	1'
SY	Yellow	Yellow	72	7.0	N/A	N/A	24	16'	1'
RGB-3535	SMD 3535	RGB	36	3.7	N/A	N/A	24	32'	2"
RGB-5050	SMD 5050	RGB	22	4.4	N/A	N/A	24	32'	3.28"
RGBW	RGBW-3000K	305	29	7.0	44	>80	24	13'	2.46"

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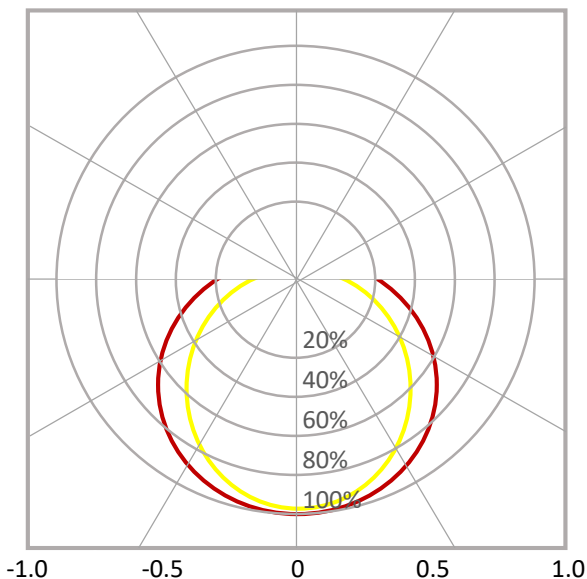


Ordering Code

F + **L200** + **IP66** + **CT27** = **F-L200IP66CT27**
 Florence, 200 lm/ft,
 IP66, 2700K

1 - Product Line	2 - Output	3 - IP Rating	4 - Color Temp
F = Florence	L200 ~ 200 lm/ft L360 ~ 360 lm/ft L500 ~ 500 lm/ft L780 ~ 780 lm/ft L990 ~ 990 lm/ft	IP00 = Indoor IP66 = Outdoor	CT27 = 2700k CT30 = 3000k CT35 = 3500k CT40 = 4000k
	TW = Tunable White	IP00 = Indoor IP65 = Outdoor	1865 = 1800k-6500k 2740 = 2700k-4000k
	SR = Static Red SG = Static Green SB = Static Blue SY = Static Yellow	IP00 = Indoor IP65 = Outdoor	N/A
	RGB = RGB	IP00 = Indoor IP65 = Outdoor	3535 = SMD3535 5050 = SMD5050
	RGBW = RGBW	IP00 = Indoor	30 = White 3000k

Photometric



Florence LED Tapelight Specifications



Power Supply Ordering Code

DTR

+

60

+

IP67

= Dimming, 60 watt, IP67, 90-305V output, 24V

1 - Model	2 - Power	3 - IP	Input	Output	Dimension (Inch) LxWxH
NTR = Non-Dimming	50 = 50 watt 75 = 75 watt 100 = 100 watt 150 = 150 watt	IP00 = Indoor	88-264V	24V	3.90 X 3.82 X 1.42 5.08 X 3.82 X 1.50 6.26 X 3.82 X 1.50 7.84 X 3.85 X 1.50
	12 = 12 watt 16 = 16 watt 25 = 25 watt 35 = 35 watt	IP42 = Indoor	90-264V		3.03 X 1.57 X 1.14 3.03 X 1.57 X 1.14 3.31 X 2.24 X 1.16 3.31 X 2.24 X 1.16
	20 = 20 watt 35 = 35 watt 60 = 60 watt 100 = 100 watt	IP67 = Outdoor	90-264V		4.65 X 1.38 X 1.02 5.83 X 1.57 X 1.18 6.40 X 1.67 X 1.26 7.48 X 2.05 X 1.46
DTR = Dimming (0-10V)	16 = 16 watt 25 = 25 watt 40 = 40 watt 60 = 60 watt 90 = 90 watt 100 = 100 watt 120 = 120 watt 150 = 150 watt 185 = 185 watt 240 = 240 watt 320 = 320 watt 600 = 600 watt	IP67 = Outdoor	90-305V	24V	5.83 X 1.57 X 1.26 5.83 X 1.57 X 1.26 6.40 X 1.70 X 1.26 6.40 X 1.70 X 1.26 6.34 X 2.40 X 1.42 8.66 X 2.68 X 1.53 8.66 X 2.68 X 1.53 8.97 X 2.68 X 1.58 8.97 X 2.68 X 1.58 9.88 X 2.68 X 1.58 9.92 X 3.54 X 1.72 11.02 X 5.67 X 1.91
FPD = Dimming (Forward Phase)	20 = 20 watt 40 = 40 watt 60 = 60 watt 75 = 75 watt 96 = 96 watt	IP67 = Outdoor	120V	24V	4.92 X 1.97 X 0.77 4.92 X 1.97 X 0.77 4.92 X 1.97 X 0.77 4.92 X 1.97 X 0.77 4.92 X 1.97 X 0.77

Connectors

CON-T1



Tapelight
connector

CON2-JC



Jumper Cable +
2" cable

CON20-JC



Jumper Cable +
20" cable

CON20-PF



Power feed for
white tapelight +
20" cable

CON4X4-JC



Jumper cable
4" x 4"

CON8X8-JC



Jumper cable
8" x 8"

Florence – Pixilation Chart

✓ No pixilation
 ○ Minor pixilation
 ✗ Has pixilation
 N/A Not Applicable



Extrusion	+ Lens	L200	L360	L500	L780	L990	TW	RGB	RGBW
AA01	AA99-SL (satined lens)	✗	✗	○	✓	✓	✗	N/A	N/A
AA02	AA99-SL (satined lens)	✗	✗	N/A	N/A	N/A	✓	✗	✗
AA03IN	AA99-SL (satined lens)	○	✓	✓	✓	N/A	✓	✓	✓
AA03IN	AA99-SL90 (90° satined lens)	✓	✓	✓	✓	N/A	✓	✓	✓
AA03OUT	AA99-SL (satined lens)	○	✓	✓	✓	N/A	✓	✓	✓
AA03OUT	AA99-SL90 (90° satined lens)	✓	✓	✓	✓	N/A	✓	✓	✓
AA07	AA99-SL (satined lens)	○	✓	✓	N/A	N/A	✓	✓	✓
AG01	AG01-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
AL02	AL02-SL (satined lens)	○	✓	N/A	N/A	N/A	✗	N/A	✗
AP02	AP02-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
CT01	CT99-DL (drop lens)	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A
CT02	CT99-DL (drop lens)	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A
CT06	CT99-DL (drop lens)	✓	✓	✓	✓	N/A	✓	✓	✓
JA01	JA01-SL (satined lens)	✗	✗	○	✓	✓	✓	○	○
JB01	JB01-SLS (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
JC01	JC01-SLS (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
JD01	JD01-SLS (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
JF04	JF04-SL (satined lens)	✗	✗	✓	N/A	N/A	✓	✓	✓
JF04	JF04-SL90 (90° satined lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
JG04	JG04-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
JG04	JG04-SL90 (90° satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
LA01	LA01-SL (satined lens)	✗	✗	✗	○	✓	N/A	N/A	N/A
LB03IN	LB03-SL (satined lens)	✓	✓	✓	N/A	N/A	✓	✓	N/A
LB03OUT	LB03-SL (satined lens)	✓	✓	✓	N/A	N/A	✓	✓	N/A
LC07	LC07-SL (satined lens)	✗	✗	✗	○	✓	N/A	N/A	N/A
PH01	PH99 (PMMA lens)	✓	✓	✓	✓	N/A	✓	✓	✓
PH02	PH99 (PMMA lens)	✓	✓	✓	✓	N/A	✓	✓	✓
PH03	PH99 (PMMA lens)	✓	✓	✓	✓	N/A	✓	✓	✓
UT01	UT01-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
VT01	VT01-SL (satined lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
VT02	VT02-SL (satined lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
VT03	VT03-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
VT04	VT04-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
XT01	XT99-DL (drop lens)	✓	✓	✓	✓	✓	✓	✓	✓
XT01	XT99-SLS (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
XT02	XT99-DL (drop lens)	✓	✓	✓	✓	✓	✓	✓	✓
XT02	XT99-SLS (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓
YT01	YT99-SL (satined lens)	✗	✗	✗	N/A	N/A	✗	✗	✗
YT01	YT99-DL (drop lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
YT02	YT99-SL (satined lens)	✗	✗	✗	N/A	N/A	✗	✗	✗
YT02	YT99-DL (drop lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
YT04	YT99-SL (satined lens)	✗	✗	✗	N/A	N/A	✗	✗	✗
YT04	YT99-DL (drop lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
YT05	YT99-SL (satined lens)	✓	✓	✓	✓	N/A	○	✓	✓
YT05	YT99-DL (drop lens)	✓	✓	✓	✓	N/A	✓	✓	✓
YT06	YT99-SL (satined lens)	✗	✗	✓	✓	✓	✗	○	○
YT06	YT99-DL (drop lens)	✓	✓	✓	✓	✓	✓	✓	✓
YT07	YT99-SL (satined lens)	✗	○	✓	N/A	N/A	○	✓	✓
YT07	YT99-DL (drop lens)	✓	✓	✓	N/A	N/A	✓	✓	✓
WT02	WT02-SL (satined lens)	✓	✓	✓	✓	✓	✓	✓	✓

Florence – Compatible Extrusions



Code	Cross Section	L200	L360	L500	L780	L990	TW	RGB 3535	RGB 5050	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

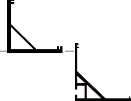
YT07		✓	✓	✓	✗	✗	✓	✓	✓	✓
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Florence – Compatible Extrusions

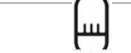


Code	Cross Section	L200	L360	L500	L780	L990	TW	RGB 3535	RGB 5050	RGBW
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90° / Corner

JF04		✓	✓	✓	✗	✗	✓	✓	✓	✓
JG04		✓	✓	✓	✓	✓	✓	✓	✓	✓
YT04		✓	✓	✓	✗	✗	✓	✓	✓	✓

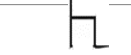
Closet Rod

CT06		✓	✓	✓	✓	✗	✓	✓	✓	✓
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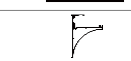
Flexible

YT09		✓	✓	✓	✗	✗	✓	✓	✓	✓
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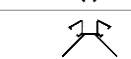
Perimeter

YT05		✓	✓	✓	✓	✗	✓	✓	✓	✓
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Shelf Holder / Edge Lit

AK06		✓	✓	✓	✓	✓	✓	✓	✓	✗
AM06		✓	✓	✓	✗	✗	✓	✓	✓	✗

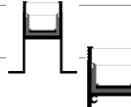
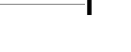
Under-Tile

AA03IN		✓	✓	✓	✓	✗	✓	✓	✓	✓
AA03OUT		✓	✓	✓	✓	✗	✓	✓	✓	✓
AA07		✓	✓	✓	✗	✗	✓	✓	✓	✓

Walk-Over

UT01		✓	✓	✓	✓	✓	✓	✓	✓	✓
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Outdoor Walk-Over

PH01		✓	✓	✓	✓	✗	✓	✓	✓	✓
PH02		✓	✓	✓	✓	✗	✓	✓	✓	✓
PH03		✓	✓	✓	✓	✗	✓	✓	✓	✓

Outdoor Surface Mount

AP02		✓	✓	✓	✓	✗	✓	✓	✓	✓
PH02		✓	✓	✓	✓	✗	✓	✓	✓	✓

Florence LED Tapelight – Customization



CUSTOMIZATION	T20-CUST	TL20-CUST	E20-CUST	E20IP68-CUST
Cutting one run of tapelight to specified length	✓	✓		
Cutting one extrusion, one diffuser, and one tapelight to specified length			✓	
Cutting one extrusion, one diffuser, and one tapelight				✓
Installing the tapelight into the extrusion			✓	✓
Adding strain relief and power feed				✓
Adding strain relief and power feed with heat sink tube			✓	
Mounting end caps			✓	
Mounting and sealing end caps				✓
Solder 4 ft lead wire		✓	✓	✓
Filling extrusion with clear material that makes it 2 ft submersible				✓
Final function and quality inspection		✓	✓	✓