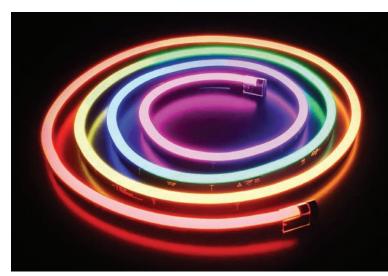
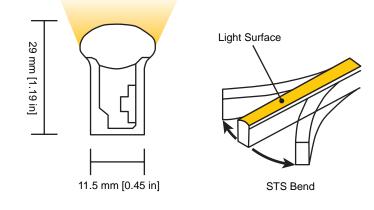
## RGB AND RGBW | LARGE 270° | STS MULTI-PIXEL LED NEON







## FloppyFlex Digital Large STS is flexible 24V LED neon with multi-pixel

Description

control for advanced chasing, programmable scenes, and animated visual effects via FloppyDrive Digital. It features a rich, vibrant color palette with RGB or RGBW LEDs. Available with PVC housing with a pixel size of 125 mm and an average beam angle of 170.5° (50%) or longer lasting silicone housing with a pixel size of 125 mm and an average beam angle of 145.9° (50%). The minimum side-to-side bend diameter is 120 mm. Black base is standard with a homogenous LED package without "skittles" effect.

### **Features**

- Digital RGB or RGBW with multi-pixel control in 125 mm sections
- Super bright, pixel package with homogenous lighting surface
- 170.5° beam angle (PVC), 145.9° beam angle (Silicone)
- Tight 120 mm side-to-side bend
- Seamless color mixing, beautiful dimming via FloppyDrive Digital
- Auto-addressing allows for guick setup and patching
- Largest viewable beam spread in the FloppyFlex family
- Wide range of accessories for joining, terminating, mounting, powering
- Easy to use and install
- Unlimited and unprecedented possibilities

### **Applications**

Installation, architectural, digital signage, gameshows, arcades, signs, film and television sets, theme parks, bars and clubs, cruise ships, creating words, indirect applications, and scenic elements

### **Available Connectors**

Injection Molded Power Feed and End cap connectors available, fully customizable for no-hassle installations. PVC IP67, Silicone IP68.

Double Molded IP68 Power Feed and End cap connectors available, suitable for submersible applications. PVC only - not available for silicone versions.

EZ-Connect power feeds and end caps allow for easy onsite terminations with IP67 ratings, and allow for the End, Side, Middle, or Bottom power feed entry.

### Flame Resistant – UV Resistant – Solvents Resistant Saltwater Resistant – IP67 Protection – IK08 Protection

### Certifications

When connectors are correctly installed. cULus Listed, CE, TUV and RoHS compliant and passes rigorous environmental, optical, mechanical, and electrical testing.



Exclusive Distribution – The Americas, Europe, and Asia Innovative, Performance-Driven Show Technology Since 1983

sales@tmb.com

London +44 (0)20.8574.9700 Los Angeles +1 818.899.8818



New York +1 201.896.8600

Beijing +86 10.8492.1587

Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information

Part Number     FFLDRGBB     FFLSDRGB       Type     Digital Multi-Pixel Control     Digital Multi-Pixel Control     RGB       Color     RGB     RGB     RGB     RGB       Wavelength     618-624nm     522-528nm     468-474nm     -     618-624nm     522-528nm     468-474n       Lumen/m     42     110     18     170     40     110     20       Lumen/m     42     110     18     170     40     110     20       Lumen/m     42     110     18     170     40     110     20       Lumen/tt     13     34     5     52     12     34     6       Beam Angle, Average (50%)     170.5°     145.9°     Number of Pixels Per Meter     8     8     8       LED Quantity Per Meter     56<	r
$ \begin{array}{ c c c } \hline \mbox{Color} \\ \hline C$	r
$\begin{tabular}{ c c c c c c c } \hline $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$	
$\begin{tabular}{ c c c c c c } \hline $22-528nm $468-474nm $-$ 618-624nm $52-528nm $468-474n $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $$	HOOT
Lumen/m     42     110     18     170     40     110     20       Lumen/ft     13     34     5     52     12     34     6       Beam Angle, Average (50%)     170.5°     145.9°     145.9°       Number of Pixels Per Meter     8     145.9°     145.9°       LED Quantity Per Meter     56     57     7       LED Quantity Per Meter     56     56     56       DMX Channels     3 per pixel / 24 per meter     3 per pixel / 24 per meter     56       Base Color     Black base standard, other colors available on request     White base standard, other colors available on request     White base standard, other colors available on request       Housing     PVC     Silicore     Silicore       Cut & Connect Joints     Located Every 125 mm [4.92 in]     Located Every 125 mm [4.72"]       Bending Direction     Side-to-Side (STS)     Side-to-Side (STS)       Connectors & Hardware     Factory molded connectors Aluminum mounting channels     Factory molded connectors Aluminum mounting channels     Single end feed     12 W/m       Operating Voltage     24 VDC     24 VDC <td< td=""><td></td></td<>	
$\begin{tabular}{ c c c c c c } \begin{tabular}{ c c c c c c c } \line \begin{tabular}{ c c c c c c c } \line \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	əlength
Beam Angle, Average (50%) $170.5^{\circ}$ $145.9^{\circ}$ Number of Pixels Per Meter $8$ $170.5^{\circ}$ $145.9^{\circ}$ Number of Pixels Per Meter $8$ $8$ LED Quantity Per Pixel $7$ $7$ LED Quantity Per Meter $3 per pixel / 24 per meter$ $3 per pixel / 24 per meter$ Base ColorBlack base standard, other colors available on requestWhite base standard, other colors available on requestWhite base standard, other colors available on requestHousingPVC $3 per pixel / 24 per meter$ SiliconeCut & Connect JointsLocated Every 125 mm [4.92 in]Located Every 125 mm [4.92 in]Minimum Bend Diameter $120 mm [4.72]$ in] $120 mm [4.72]$ Bending DirectionSide-to-Side (STS)Side-to-Side (STS)Connectors & HardwareFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Field attachable connectors Aluminum mounting channels $30 m [94.5 ft] Dynamic OperationOperating Voltage24 VDC24 VDC24 VDCWiring30 m [94.2 ft] Dynamic Operationfeed10 m [32.8 ft] Full Static LoadfeedDouble endfeed30 m [94.2 ft] Dynamic Operationfeed30 m [94.6 ft] FullDouble endfeed30 m [94.2 ft] Dynamic Operationfeed30 m [94.6 ft] FullMax Fixture Runs30 m [94.5 ft] Full Static Loadfeed30 m [94.6 ft] FullDouble endfeed20 m [65.6 ft] Full Static Loadfeed30 m [94.6 ft] FullDouble $	ən/m
Number of Pixels Per Meter88LED Quantity Per Pixel77LED Quantity Per Meter563 per pixel / 24 per meter3 per pixel / 24 per meterBase ColorBlack base standard, other colors available on requestWhite base standard, other colors available on requestWhite base standard, other colors available on requestHousingPVCSiliconeCut & Connect JointsLocated Every 125 mm [4.92 in]Located Every 125 mm [4.92 in]Minimum Bend Diameter20 cated Every 125 mm [4.92 in]Located Every 125 mm [4.92 in]Bending DirectionSide-to-Side (STS)Side-to-Side (STS)Connectors & HardwareFactory molded connectors Field attachable connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors freedFactory molded connectors Field attachable connectors Field attachable connectors Field attachable connectors<	ən/ft
$ \begin{array}{ c c c } \label{eq:licit} \begin{tabular}{ c c c c } \hline P  index in the probability of the probabi$	n Angle, Average (50%)
LED Quantity Per Meter $56$ $56$ DMX Channels $3 \text{ per pixel } / 24 \text{ per meter}$ $3 \text{ per pixel } / 24 \text{ per meter}$ Base ColorBlack base standard, other colors available on requestWhite base standard, other colors available on requestWhite base standard, other colors available on requestHousing $\mathbb{PVC}$ $\mathbb{V}$ SiliconeCut & Connect Joints $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Minimum Bend Diameter $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Bending Direction $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Connectors & Hardware $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Connectors & Hardware $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Operating Voltage $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Wiring $\mathbb{PVC}$ $\mathbb{PVC}$ $\mathbb{PVC}$ Name Fixture Runs $Single \text{ end}_{115}$ fr [49.6 ft] Dynamic Operation $Single \text{ end}_{120}$ fr [49.6 ft] Dynamic Operation $Single \text{ end}_{150}$ fr [49.6 ft] Dynamic OperationMax Fixture Runs $Single \text{ end}_{16ed}$ $15 m [49.6 ft] Dynamic OperationSingle \text{ end}_{150} fr [49.6 ft] Dynamic OperationMax Fixture RunsSingle \text{ end}_{16ed}30 m [99.2 ft] Dynamic OperationSingle \text{ end}_{150} fr [49.6 ft] Dynamic OperationMax Fixture RunsSingle \text{ end}_{16ed}30 m [99.2 ft] Dynamic OperationSingle \text{ end}_{16ed}40 m [131.2 ft] Dynamic Operation]_{150} fr [49.6 ft] PullMax Fixture RunsSingle \text{ end}_{16ed}30 m [99.2 ft] Dynamic Operation]_{10}Single \text{ end}_{16ed}30 m [98.4 ft] Full$	ber of Pixels Per Meter
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Quantity Per Pixel
Base Color   Black base standard, other colors available on request   White base standard, other colors available on request   White base standard, other colors available on request     Housing   PVC   Silicone     Cut & Connect Joints   Located Every 125 mm [4.92 in]   Located Every 125 mm [4.72"]     Minimum Bend Diameter   120 mm [4.72 in]   120 mm [4.72"]     Bending Direction   Side-to-Side (STS)   Side-to-Side (STS)     Connectors & Hardware   Factory molded connectors Field attachable connectors Aluminum mounting channels   Factory molded connector Field attachable connectors Aluminum mounting channels   Factory molded connector Field attachable connector Aluminum mounting channels     Operating Voltage   24 VDC   24 VDC   24 VDC     Wiring   3-Wire   3-Wire   3-Wire     Power Consumption   12 m [49.6 ft] Dynamic Operation feed   Single end feed   15 m [49.6 ft] Dynamic Operation feed   20 m [65.6 ft] Dynamic feed     Max Fixture Runs   Single end feed   10 m [32.8 ft] Full Static Load   Single end feed   15 m [49.6 ft] Dynamic Operation feed   20 m [65.6 ft] Dynamic feed     Double end feed   30 m [99.2 ft] Dynamic Operation feed   Double end feed   30 m [99.2 ft] Dynamic Operation   Double	Quantity Per Meter
HousingPVCSiliconeCut & Connect JointsLocated Every 125 mm [4.92 in]Located Every 125 mm [4.92 in]Minimum Bend Diameter120 mm [4.72 in]120 mm [4.72"]Bending DirectionSide-to-Side (STS)Side-to-Side (STS)Connectors & HardwareFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Aluminum mounting channelsOperating Voltage24 VDC24 VDCWiring3-Wire3-WirePower Consumption112 M/m12 W/mMax Fixture RunsSingle end feed15 m [49.6 ft] Dynamic Operation 10 m [32.8 ft] Full Static LoadSingle end feed20 m [65.6 ft] Pull 30 m [99.2 ft] Dynamic OperationMax Fixture RunsOnuble end feed30 m [99.2 ft] Dynamic Operation 20 m [65.6 ft] Full Static LoadDouble end feed40 m [131.2 ft] Dynamic 30 m [98.4 ft] FullControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalInstallation Temperature0 to 45 °C [32 to 113°F]-40 to 50 °C [-40 to 122 -40 to 50 °C [-40 to 131 °F]Mounting Surface Temperature60 °C [140 °F] Max.85 °C [185 °F] Max.	Channels
Cut & Connect JointsLocated Every 125 mm [4.92 in]Located Every 125 mm [4.92 in]Minimum Bend Diameter120 mm [4.72 in]120 mm [4.72"]Bending DirectionSide-to-Side (STS)Side-to-Side (STS)Connectors & HardwareFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connect Field attachable connectors Aluminum mounting channelsFactory molded connect Field attachable connectors Aluminum mounting channelsOperating Voltage24 VDC24 VDCWiring3-Wire3-WirePower Consumption12 W/m12 W/mMax Fixture RunsSingle end feed15 m [49.6 ft] Dynamic Operation 20 m [65.6 ft] Dynamic OperationSingle end feedDouble end feed30 m [99.2 ft] Dynamic Operation 20 m [65.6 ft] Full Static LoadDouble end feed30 m [98.4 ft] FullControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalMX-512 via FloppyDrive DigitalInstallation Temperature0 to 45 °C [32 to 113 °F]-40 to 50 °C [-40 to 122Operating Surface Temperature-20 to 45 °C [-4 to 113 °F]-40 to 55 °C [-40 to 131 °F]	Color
Minimum Bend Diameter120 mm [4.72 in]120 mm [4.72 in]Bending DirectionSide-to-Side (STS)Side-to-Side (STS)Connectors & HardwareFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Aluminum mounting channelsFactory molded connectors Field attachable connectors Aluminum mounting channelsOperating Voltage24 VDC24 VDCWiring3-Wire3-WirePower Consumption12 W/m12 W/mMax Fixture RunsSingle end feed15 m [49.6 ft] Dynamic Operation 10 m [32.8 ft] Full Static LoadSingle end feed20 m [65.6 ft] Dynamic Operation feedDouble end feed30 m [99.2 ft] Dynamic Operation feedDouble end feed40 m [131.2 ft] Dynamic 30 m [98.4 ft] FullControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive D at FloppyDrive D feed30 m [98.4 ft] FullControlDMX-512 via FloppyDrive Digital-40 to 50 °C [-40 to 122 -40 to 55 °C [-40 to 122Operating Temperature-20 to 45 °C [24 to 113 °F]-40 to 55 °C [-40 to 131 °F]Mounting Surface Temperature60 °C [140 °F] Max.85 °C [185 °F] Max.	sing
Bending Direction   Side-to-Side (STS)   Side-to-Side (STS)     Connectors & Hardware   Factory molded connectors Field attachable connectors Aluminum mounting channels   Factory molded connectors Field attachable connectors Aluminum mounting channels     Operating Voltage   24 VDC   24 VDC     Wiring   3-Wire   3-Wire     Power Consumption   12 W/m   12 W/m     Max Fixture Runs   Single end feed   15 m [49.6 ft] Dynamic Operation 10 m [32.8 ft] Full Static Load   Single end feed   20 m [65.6 ft] Dynamic 10 m [32.8 ft] Full Static Load     Double end feed   30 m [99.2 ft] Dynamic Operation feed   Double end feed   40 m [131.2 ft] Dynamic 30 m [98.4 ft] Full     Control   DMX-512 via FloppyDrive Digital   DMX-512 via FloppyDrive Digital   DMX-512 via FloppyDrive Digital     Operating Temperature   0 to 45 °C [32 to 113 °F]   -40 to 50 °C [-40 to 132 °F]     Mounting Surface Temperature   60 °C [140 °F] Max.   85 °C [185 °F] Max.	& Connect Joints
Connectors & Hardware   Factory molded connectors Field attachable connectors Aluminum mounting channels   Factory molded connector Field attachable connectors Aluminum mounting channels     Operating Voltage   24 VDC   24 VDC     Wiring   3-Wire   24 VDC     Power Consumption   12 W/m   12 W/m     Max Fixture Runs   Single end feed   15 m [49.6 ft] Dynamic Operation 10 m [32.8 ft] Full Static Load   Single end feed   20 m [65.6 ft] Dynamic 15 m [49.6 ft] Dynamic Operation     Double end feed   30 m [99.2 ft] Dynamic Operation feed   Single end 10 m [32.8 ft] Full Static Load   Single end feed   40 m [131.2 ft] Dynamic 30 m [98.4 ft] Full     Control   DMX-512 via FloppyDrive Digital   DMX-512 via FloppyDrive Digital   DMX-512 via FloppyDrive Digital     Installation Temperature   -20 to 45 °C [32 to 113 °F]   -40 to 50 °C [-40 to 122     Operating Temperature   -20 to 45 °C [-4 to 113 °F]   -40 to 55 °C [-40 to 131 °F]     Mounting Surface Temperature   60 °C [140 °F] Max.   85 °C [185 °F] Max.	num Bend Diameter
Connectors & HardwareField attachable connectors Aluminum mounting channelsField attachable connector Aluminum mounting channelsOperating Voltage24 VDC24 VDCWiring3-Wire24 VDCPower Consumption12 W/m3-WireMax Fixture RunsSingle end feed15 m [49.6 ft] Dynamic Operation feedSingle end feed20 m [65.6 ft] Dynamic feedDouble end feed30 m [99.2 ft] Dynamic Operation feedSingle end feed20 m [65.6 ft] Dynamic feedDouble end feed30 m [99.2 ft] Dynamic Operation feedDouble end feed40 m [131.2 ft] Dynamic feedControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalInstallation Temperature0 to 45 °C [32 to 113 °F]-40 to 50 °C [-40 to 132 °C feed to 13 °F]-40 to 55 °C [-40 to 131 °C feed to 55 °C [-40 to 131 °CMounting Surface Temperature60 °C [140 °F] Max.85 °C [185 °F] Max.	ling Direction
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	ectors & Hardware
Power Consumption $12 \text{ W/m}$ $12 \text{ W/m}$ $12 \text{ W/m}$ Max Fixture RunsSingle end feed $15 \text{ m}$ [49.6 ft] Dynamic OperationSingle end feed $20 \text{ m}$ [65.6 ft] Dynamic feedDouble end feed $10 \text{ m}$ [32.8 ft] Full Static LoadDouble end feed $20 \text{ m}$ [65.6 ft] FullDouble end feed $30 \text{ m}$ [99.2 ft] Dynamic OperationDouble end feed $40 \text{ m}$ [131.2 ft] Dynamic $30 \text{ m}$ [98.4 ft] FullControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalInstallation Temperature $0 \text{ to } 45 ^{\circ}\text{C}$ [32 to $113^{\circ}\text{F}$ ] $-40 \text{ to } 50 ^{\circ}\text{C}$ [-40 to $131 ^{\circ}\text{F}$ ]Mounting Surface Temperature $60 ^{\circ}\text{C}$ [140 $^{\circ}\text{F}$ ] Max. $85 ^{\circ}\text{C}$ [185 $^{\circ}\text{F}$ ] Max.	ating Voltage
Max Fixture RunsSingle end feed $15 \text{ m}$ [49.6 ft] Dynamic OperationSingle end feed $20 \text{ m}$ [65.6 ft] Dynamic $15 \text{ m}$ [49.6 ft] Dynamic $15 \text{ m}$ [49.6 ft] Dynamic $10 \text{ m}$ [32.8 ft] Full Static LoadSingle end feed $20 \text{ m}$ [65.6 ft] Dynamic $15 \text{ m}$ [49.6 ft] Full $15 \text{ m}$ [49.6 ft] FullDouble end feed $30 \text{ m}$ [99.2 ft] Dynamic Operation $20 \text{ m}$ [65.6 ft] Full Static LoadDouble end feed $40 \text{ m}$ [131.2 ft] Dynamic $30 \text{ m}$ [98.4 ft] FullControlDVX-512 via FloppyDrive DigitalDouble end feed $30 \text{ m}$ [98.4 ft] FullInstallation Temperature $0 \text{ to } 45 \text{ °C}$ [32 to $113 \text{ °F}$ ] $-40 \text{ to } 50 \text{ °C}$ [-40 to $122 \text{ °C}$ Operating Temperature $-20 \text{ to } 45 \text{ °C}$ [-4 to $113 \text{ °F}$ ] $-40 \text{ to } 55 \text{ °C}$ [-40 to $131 \text{ °C}$ Mounting Surface Temperature $60 \text{ °C}$ [140 °F] Max. $85 \text{ °C}$ [185 °F] Max.	ig
Max Fixture RunsImage: Second feed10 m [32.8 ft] Full Static LoadImage: Second feed15 m [49.6 ft] Full Static LoadDouble end feed30 m [99.2 ft] Dynamic OperationDouble end feed40 m [131.2 ft] Dynamic OperationControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive Digital0 MX-512 via FloppyDrive DigitalInstallation Temperature0 to 45 °C [32 to 113°F]-40 to 50 °C [-40 to 122'Operating Temperature-20 to 45 °C [-4 to 113 °F]-40 to 55 °C [-40 to 131 °F]Mounting Surface Temperature60 °C [140 °F] Max.85 °C [185 °F] Max.	er Consumption
Max Fixture RunsImage: Control feed30 m [99.2 ft] Dynamic Operation feedDouble end feed40 m [131.2 ft] Dynamic Operation feedDouble end feed20 m [65.6 ft] Full Static LoadDouble end feed30 m [98.4 ft] FullControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive DigitalInstallation Temperature $0$ to 45 °C [32 to 113°F] $-40$ to 50 °C [-40 to 122°Operating Temperature $-20$ to 45 °C [-4 to 113 °F] $-40$ to 55 °C [-40 to 131°Mounting Surface Temperature $60$ °C [140 °F] Max. $85$ °C [185 °F] Max.	
$\begin{tabular}{ c c c c c c c } \hline Double end feed & \hline 30 m [99.2 ft] Dynamic Operation & Double end feed & \hline 40 m [131.2 ft] Dynamic Operation & \hline 100 m [65.6 ft] Full Static Load & \hline feed & \hline 30 m [98.4 ft] Full & \hline 30 m [98.4 ft] Full & \hline 100 m [95.6 ft] Full Static Load & \hline 100 m [95.6 ft] Full Stati$	
ControlDMX-512 via FloppyDrive DigitalDMX-512 via FloppyDrive IInstallation Temperature0 to 45 °C [32 to 113°F]-40 to 50 °C [-40 to 122°Operating Temperature-20 to 45 °C [-4 to 113 °F]-40 to 55 °C [-40 to 131°Mounting Surface Temperature60 °C [140 °F] Max.85 °C [185 °F] Max.	
Installation Temperature     0 to 45 °C [32 to 113°F]     -40 to 50 °C [-40 to 122'       Operating Temperature     -20 to 45 °C [-4 to 113 °F]     -40 to 55 °C [-40 to 131 °F]       Mounting Surface Temperature     60 °C [140 °F] Max.     85 °C [185 °F] Max.	
Operating Temperature   -20 to 45 °C [-4 to 113 °F]   -40 to 55 °C [-40 to 131 °     Mounting Surface Temperature   60 °C [140 °F] Max.   85 °C [185 °F] Max.	rol
Mounting Surface Temperature     60 °C [140 °F] Max.     85 °C [185 °F] Max.	llation Temperature
	ating Temperature
Storage Temporature 20 to 60 °C [ 4 to 140 °E] 40 to 60 °C [ 40 to 140 °E]	nting Surface Temperature
Storage Temperature     -20 to 60 °C [-4 to 140 °F]     -40 to 60 °C [-40 to 140 °F]	age Temperature
Dimensions (WxHxD) 11.5 mm x 29 mm x variable [0.45 in x 1.19 in x variable] 11.5 mm x 29 mm x variable [0.45 in x 1.19 in x variable] 11.5 mm x 29 mm x variable]	ensions (WxHxD)
Ingress Protection     IP67 with Molded connectors     IP68 with Molded connectors       Ingress Protection     IP68 with Double Molded connectors     IP67 with EZ-Connect connectors       IP67 with EZ-Connect connectors     Double Molded not available	ess Protection
Listing UL2108 Class 2, CE-EMC UL2108 Class 2, CE-EM	
Warranty 3 Years 5 Years	ng

Light Surface



Side-to-Side Bend

Exclusive Distribution – The Americas, Europe, and Asia



### Exclusive Distribution – The Americas, Europ

c UL US LISTED C E 📟

sales@tmb.com

Los Angeles London +1 818.899.8818 +44 (0)20.8574.9700 **Emb** www.tmb.com

New York +1 201.896.8600

ROHS

Beijing 00 +86 10.8492.1587 Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information.

	Digital Large RGBW PVC Specifications			Digital Large RGBW Silicone Specifications					
Part Number	FFLDRGBWWB			FFLSDRGBWW					
Туре		Digital Multi-Pixel Control				Digital Multi-Pixel Control			
Color	RGBW			RGBW					
Color/CCT	Red	Red Green Blue White		Red	Green	Blue	White		
Wavelength	618-624nm	522-528nm	468-474nm	2725±145K	618-624nm	522-528nm	468-474nm	2725±85K	
Lumen/m	42	110	18	110	40	110	20	110	
Lumen/ft	13	34	5	34	12	34	6	34	
Beam Angle, Average (50%)		17(	).5°		145.9°				
Number of Pixels Per Meter		8	8		8				
LED Quantity Per Pixel		-	7		7				
LED Quantity Per Meter		5	6		56				
DMX Channels		4 per pixel /	32 per meter		4 per pixel / 32 per meter				
Base Color	Black base s	Black base standard, other colors available on request				Black base standard, other colors available on request			
Housing	PVC				Silicone				
Cut & Connect Joints	Located Every 125 mm [4.92 in]				Located Every 125 mm [4.92 in]				
Minimum Bend Diameter	120 mm [4.72 in]			120 mm [4.72"]					
Bending Direction	Side-to-Side (STS)			Side-to-Side (STS)					
Connectors & Hardware	Factory molded connectors Field attachable connectors Aluminum mounting channels			Factory molded connectors Field attachable connectors Aluminum mounting channels					
Operating Voltage	24 VDC			24 VDC					
Wiring	3-Wire			3-Wire					
Power Consumption	15 W/m			15 W/m					
·	Single end 10 m [32.8 ft] Dynamic Operation			Single end 15 m [49.6 ft] Dynamic Operation			Operation		
	feed	5 m [16.4 ft] Full Static Load		feed	10 m [32.8 ft] Full Static Load				
Max Fixture Runs	Double end 20 m [65.6 ft] Dynamic Operation			Double end 30 m [98.4 ft] Dynamic Opera		Operation			
	feed 10 m [32.8 ft] Full Static Load				feed 20 m [65.6 ft] Full Static Load			ic Load	
Control	DMX-512 via FloppyDrive Digital			DMX-512 via FloppyDrive Digital					
Installation Temperature	0 to 45 °C [32 to 113°F]			-40 to 50 °C [-40 to 122°F]					
Operating Temperature	-20 to 35 °C [-4 to 95 °F]			-40 to 55 °C [-40 to 131 °F]					
Mounting Surface Temperature	60 °C [140 °F] Max.			85 °C [185 °F] Max.					
Storage Temperature	-20 to 60 °C [-4 to 140 °F]			-40 to 60 °C [-40 to 140 °F]					
Dimensions (WxHxD)	11.5 mm x 29 mm x variable [0.45 in x 1.19 in x variable]			11.5 mm x 29 mm x variable [0.45 in x 1.19 in x variable]					
Ingress Protection	IP67 with Molded connectors IP68 with Double Molded connectors IP67 with EZ-Connect connectors				IP68 with Molded connectors IP67 with EZ-Connect connectors Double Molded not available				
Listing	UL2108 Class 2, CE-EMC			UL2108 Class 2, CE-EMC					
Warranty		3 Ye	ears			5 Y	ears		

Light Surface





## \_\_\_\_\_

c(UL) us listed C E 🐷



### Exclusive Distribution – The Americas, Europe, and Asia

sales@tmb.com

Los Angeles London +1 818.899.8818 +44 (0)20.8574.9700 temb www.tmb.com

New York +1 201.896.8600

RoHS

Beijing +86 10.8492.1587

Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information.

## MOLDED LARGE CONNECTORS **IP67 PVC OR IP68 SILICONE**



### **Molded Bottom Entry Connection**

Connects FloppyFlex Large to power supply with pre-installed bottom feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.

### **Molded Side Entry Connection**

Connects FloppyFlex Large to power supply with pre-installed side feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



### **Molded End Entry Connection**

Connects FloppyFlex Large to power supply with pre-installed end feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



### **Molded End Cap**

Pre-installed termination protection of FloppyFlex Large, IP67.



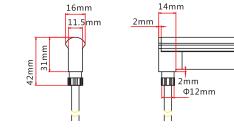


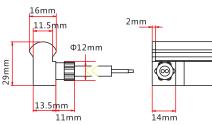
### **Molded End Entry Connection**

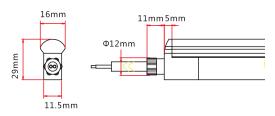
Connects two pieces of FloppyFlex Large together with a flexible cable, IP67. Cable length available in 0.3 - 1 m. Maximum 8 jumpers per 20 m Maximum 4 jumpers per 10 m

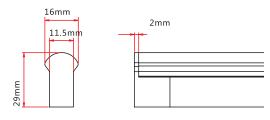
### **Molded T-Feed Connection**

Connects two pieces of FloppyFlex Large together with powered T-joint, IP67. L1 and L2 length available in 0.15-0.5 m. L3 length available in 0.3 - 1 m Maximum 8 T-Feeds per 20 m Maximum 4 T-Feeds per 10 m

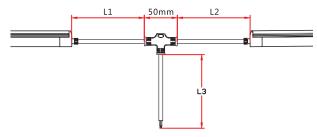












### Exclusive Distribution – The Americas, Europe, and Asia

sales@tmb.com

London Los Angeles +44 (0)20.8574.9700 +1 818.899.8818



New York +1 201.896.8600 Beijing +86 10.8492.1587

Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information

## DOUBLE-MOLDED LARGE CONNECTORS **IP68 PVC ONLY**

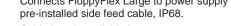


### **Double-Molded Bottom Entry Connection**

Connects FloppyFlex Large to power supply with pre-installed end feed cable, IP68. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.

### **Double-Molded Side Entry Connection**

Connects FloppyFlex Large to power supply with Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



**Double-Molded End Entry Connection** 

Connects FloppyFlex Large to power supply with pre-installed end feed cable, IP68. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.

**Double-Molded End Cap** 

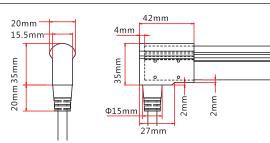
FloppyFlex Large, IP68.

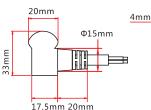
Pre-installed termination protection of

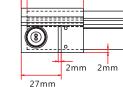
Connects two pieces of FloppyFlex Large together with a flexible cable, IP68. Cable length available in 0.3 - 1 m. Maximum 8 jumpers per 20 m Maximum 4 jumpers per 10 m

**Double-Molded T-Feed Connection** 

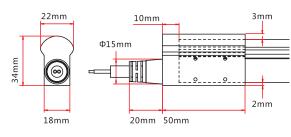
Connects two pieces of FloppyFlex Large together with powered T-joint, IP68. L1 and L2 length available in 0.15-0.5 m. L3 length available in 0.3 - 1 m Maximum 8 T-Feeds per 20 m

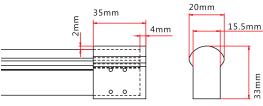


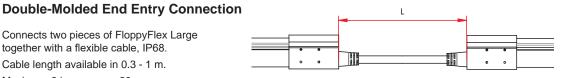


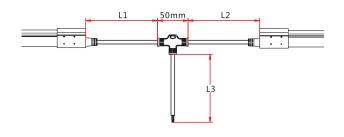


42mm









# Maximum 4 T-Feeds per 10 m

sales@tmb.com

London Los Angeles +44 (0)20.8574.9700 +1 818.899.8818



Exclusive Distribution – The Americas, Europe, and Asia

New York +1 201.896.8600

Beijing +86 10.8492.1587 Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information

# EZ-CONNECT LARGE CONNECTORS IP67



### **EZ-Connect Bottom Entry**

Connects FloppyFlex Large to power supply with user-installable end feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



### **EZ-Connect Side Entry**

Connects FloppyFlex Large to power supply with user-installable side feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



### **EZ-Connect End Entry**

Connects FloppyFlex Large to power supply with user-installable end feed cable, IP67. Cable length available in 0.3 m, 1 m, 3 m, 5 m, 10 m.



### **EZ-Connect End Cap**

User-installable termination protection of FloppyFlex Large, IP67.



### **EZ-Connect End Entry**

Connects two pieces of FloppyFlex Large together with a flexible cable, user-installable, IP67.

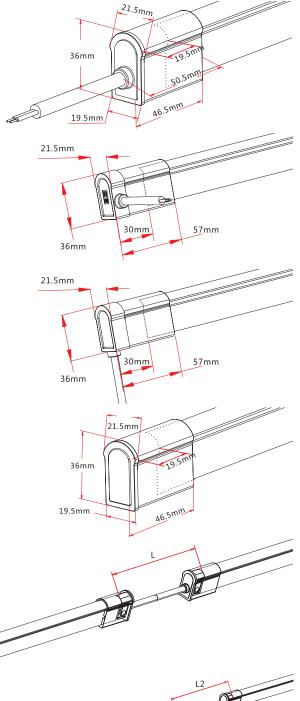
Cable length available in 0.3 m, 1 m, and 3 m.

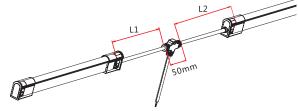


### **EZ-Connect T-Feed**

Connects two pieces of FloppyFlex Large together with powered T-joint, user-installable, IP67.

L1 and L2 length available in 0.3 m. L3 length available in 1 m





### Exclusive Distribution – The Americas, Europe, and Asia

sales@tmb.com

Los Angeles London +1 818.899.8818 +44 (0)20.8574.9700



New York +1 201.896.8600

Beijing Toror +86 10.8492.1587 +1 519.53

Toronto +1 519.538.0888

© 2021, TMB. All rights reserved. LITFFDIGILARGE Effective: 20 January 2021 Specifications are subject to change without notice. This information supersedes all previously supplied information

# FLOPPy FLeX°

## MINI TOOL KIT ASSEMBLY TOOLS



The FloppyFlex Mini Tool Kit includes the tools needed to properly cut and terminate FloppyFlex LED Neon with EZ-Connect field-installable connectors. Correct installation ensures proper electrical contact, IP rating integrity, and warranty compliance.

Includes cutter, insertion spreaders, and grippers.

We recommend using these tools for optimum installation results and reduced risk of damage to the product.



Cutter



Insertion Spreaders



Grippers

### Exclusive Distribution - The Americas, Europe, and Asia





New York +1 201.896.8600 Beijing +86 10.8492.1587

## FLOPPYDRIVE DIGITAL DMX DRIVES



## FloppyDrive Digital DIN Rail Mount

- DMX multi-pixel dimming for FloppyFlex Digital RGB or RGBW
- Addressing, monitoring and reporting of all functions, via RDM ٠
- 1200Hz flicker-free refresh rate
- Pluggable Terminal Block (PTB) screw terminals for bare-wire, installation flexibility
- Requires external 24 VDC Power Supply



## FloppyDrive Digital PortableMount

- One 24 VDC, FloppyFlex Digital output. Up to 1x 15-meter run (varies with product type).
- Color LCD Display with easy function control buttons for easy setup and configuration
- Rugged, tour-ready ProPlex "Blue Box" PortableMount chassis. Packaged for extreme conditions. Shock-mounted circuitry. Advanced thermal management
- Heavy-duty yoke for truss mounting. Optional RackMount Kit available.
- RDM functionality for complete system monitoring and addressing via RDM
- Self-healing overcurrent / short circuit protection
- Neutrik connectors throughout

More information and full specification sheets at https://tmb.com/proplex-floppydrives

### Exclusive Distribution – The Americas, Europe, and Asia





New York +1 201.896.8600

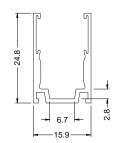
Beijing +86 10.8492.1587

# FLOPPy FLeX<sup>®</sup>

## SELF-LOCKING ALUMINUM PROFILE V3 FFACLK\*MV3

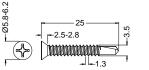
Versatile self-locking profile can be used to mount FloppyFlex Large or Small LED neon in any orientation including overhead at any angle. Extruded 6063 aluminum construction with elastic serrated grip tape hold the FloppyFlex neon firmly through varying temperatures of -20 to +70 °C.

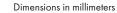


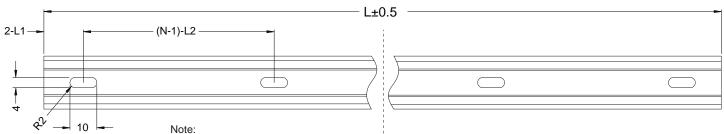


Tolerance: ±0.2 mm









1. 2-L1 refers to two of symmetric L1 in each piece of profile. 2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the table below.

Part Number	Length	L1	L2	Slotted Hole	Number of Holes
FFACLK20MMV3	20 mm [0.787 in]	10 mm [0.39 in]	N/A	4x10 mm [0.16x0.39 in]	1
FFACLK.5MV3	500 mm [19.68 in]	50 mm [1.97 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	3
FFACLK1MV3	1000 mm [39.37 in]	100 mm [3.93 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	5
FFACLK2MV3	2000 mm [78.74 in]	100 mm [3.93 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	10

### Exclusive Distribution – The Americas, Europe, and Asia

Los Angeles +1 818.899.8818 sales@tmb.com

London +44 (0)20.8574.9700



New York +1 201.896.8600

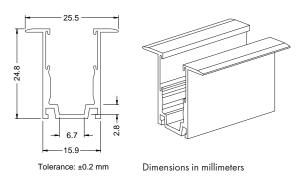
Beijing +86 10.8492.1587

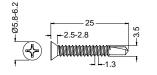
# FLOPPy FLeX®

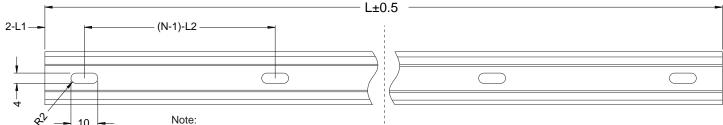
## RECESSED SELF-LOCKING ALUMINUM **PROFILE V3** FFACLKR\*MV3



Versatile self-locking profile can be used to mount recessed FloppyFlex Large or Small LED neon in any orientation including overhead at any angle. Extruded 6063 aluminum construction with elastic serrated grip tape hold the FloppyFlex neon firmly through varying temperatures of -20 to +70 °C.







2-L1 refers to two of symmetric L1 in each piece of profile.
(N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile.
"N" hereby stands for its corresponding "Hole Number" in the table below.

Part Number	Length	L1	L2	Slotted Hole	Number of Holes
FFACLKR20MMV3	20 mm [0.787 in]	10 mm [0.39 in]	N/A	4x10 mm [0.16x0.39 in]	1
FFACLKR.5MV3	500 mm [19.68 in]	50 mm [1.97 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	3
FFACLKR1MV3	1000 mm [39.37 in]	100 mm [3.93 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	5
FFACLKR2MV3	2000 mm [78.74 in]	100 mm [3.93 in]	200 mm [7.87 in]	4x10 mm [0.16x0.39 in]	10

### Exclusive Distribution – The Americas, Europe, and Asia

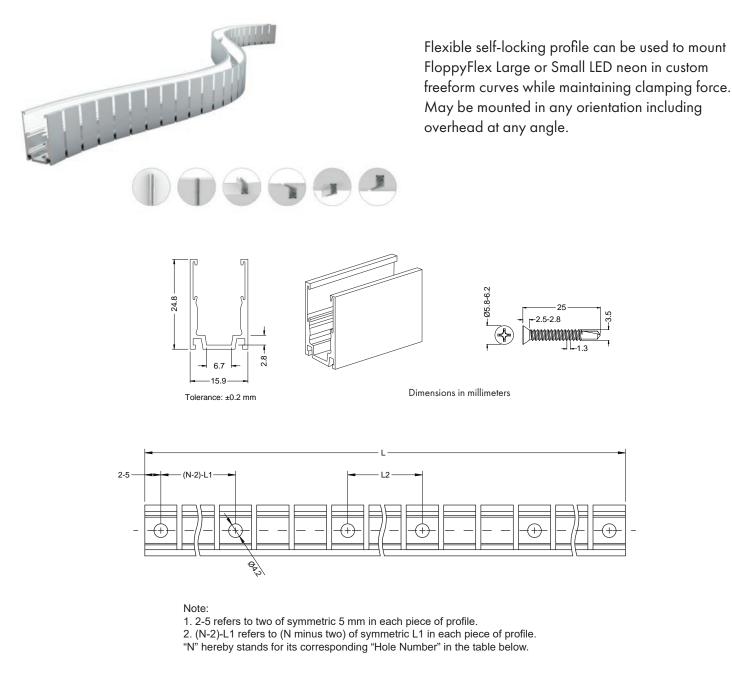


**GADD** www.tmb.com

New York +1 201.896.8600

# FLOPPy FLeX°

## FLEXIBLE SELF-LOCKING ALUMINUM **PROFILE** FFACFLK\*M



Part Number	Length	L1	L2	Screw Hole	Number of Holes
FFACFLK.5M	500 mm [19.68 in]	116.5 mm [4.59 in]	23.3 mm [0.92 in]	Ø4.2 mm [0.17 in]	6
FFACFLK1M	1000 mm [39.37 in]	116.5 mm [4.59 in]	58.2 mm [2.29 in]	Ø4.2 mm [0.17 in]	10

### Exclusive Distribution – The Americas, Europe, and Asia

sales@tmb.com +1 818.899.8818 +44 (0)20.8574.9700

New York +1 201.896.8600

rk Beijing 3600 +86 10.8492.1587