


# Tetra® Stick

**CABINET SIGN LIGHTING SYSTEMS**

## Stick with the brand you can trust

**Tetra® Stick** takes all the advantages of our 24V LED channel letter modules, and brings them to cabinet signs in an easily-installed system. The **Tetra® Stick** fits directly into existing sockets and requires fewer power supplies than competitors' offerings, thanks to its best-in-class loading, greatly reducing material, installation and energy costs.

## Powerful OptiLens™ X

Tetra® Stick features OptiLens™ X, our patented technology that allows for an incredible 170° viewing angle. This exclusive technology redirects otherwise wasted light to the sign face, making sure your signs shine.

## Best-in-class loading

The 24V Tetra® Stick loads to an impressive five 84” double-sided sticks per 100W power supply.

## Improved stroke spacing andinstallation

The new 24V Tetra® Stick stroke spacing is impressive, requiring less product, thanks to the new OptiLens™ X wide beam angle and increased light output. Tetra® Stick is available in two end wire lengths, making installation a snap and allowing customers to customize  their products to their needs.

## Total Reliability

To ensure every Tetra® Stick installation will operate brilliantly for years, we perform the most extensive, stringent testing in the industry. We test the LED, water and dust ingress protection, sub-system and complete system at our in-house and independent laboratories around the world. Validation of our designs, components, products and processes include high temperature, high humidity and accelerated life testing.



## Tetra® Stick Features

- Available with PowerMAX or PowerMAX HO modules
- Wide 170° beam angle
- Efficacy: 156 lm/W (PowerMAX)
  150 lm/W (PowerMAX HO)
- 24 Volt DC, Class 2 (UL)
- UL Dry or Damp Rated
- 10-year limited warranty

## Recommended Spacing

| | Depth from Stick to Face | Recommended Spacing |
|---|---|---|
| **Tetra® Stick single-sided PowerMAX and PowerMAX HO** | 5” (127 mm) | 12” (305 mm) |
| | 6” (152 mm) | 14” (356 mm) |
| | 7” (178 mm) | 16” (406 mm) |
| | ≥ 8-12” (203-305 mm) | 18” (457 mm) |

For full spacing guidelines, please see page 65

## Accessories

| SKU | Description | Package Quantity |
|---|---|---|
| 93020091 | LFL-LED Sockets | 6 sets per box (12 total) |

# Nomenclature

With 114 different product options to choose from, you can easily customize your Tetra ® Stick to perfectly fit your application. To make sure you order the right product the first time, please create your own personal product using the below product code tables:

| GETS | -- | -- | --- | 71 | -- | 1 |
|---|---|---|---|---|---|---|
| **Product Identifier** | **Module Type** | **Configuration** | **T-12 Length** | **Color Temperature** | **Whip Length** | **Product Generation** |
| GETS | PM = PowerMAX | SS = Single Sided | 018 = 18” T-12 | 71 = 7100K | B = 1.5’ | 1 = Gen1 |
| | PH = PowerMAX HO | DS = Double Sided | 024 = 24” T-12 | | | |
| | | | 030 = 30” T-12 | | | |
| | | | 036 = 36” T-12 | | | |
| | | | 042 = 42” T-12 | | | |
| | | | 048 = 48” T-12 | | | |
| | | | 060 = 60” T-12 | | | |
| | | | 064 = 64” T-12 | | | |
| | | | 072 = 72” T-12 | | | |
| | | | 084 = 84” T-12 | | | |
| | | | 096 = 96” T-12 | | | |
| | | | 108 = 108” T-12 | | | |
| | | | 117 = 117” T-12 | | | |
| | | | 120 = 120” T-12 | | | |

# Specifications – Single Sided PowerMAX

| SKU | T12 Length (in) | Actual Length (in) | Modules per Stick | Lumens per Stick* | Watts per Stick* | Sticks per 100W GLX Power Supply | Sticks per 100W GLX2 Power Supply | Whip Length | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 93094081G | 18 | 15.91 | 2 | 266 | 1.7 | 47 | 51 | 1.5 ft | GETSPMSS01871B1 |
| 93093359G | 24 | 21.91 | 3 | 399 | 2.5 | 32 | 34 | 1.5 ft | GETSPMSS02471B1 |
| 93094082G | 30 | 27.91 | 3 | 399 | 2.5 | 32 | 34 | 1.5 ft | GETSPMSS03071B1 |
| 93094083G | 36 | 33.91 | 4 | 532 | 3.4 | 24 | 25 | 1.5 ft | GETSPMSS03671B1 |
| 93094084G | 42 | 39.91 | 5 | 665 | 4.2 | 19 | 20 | 1.5 ft | GETSPMSS04271B1 |
| 93094085G | 48 | 45.91 | 6 | 798 | 5.0 | 16 | 17 | 1.5 ft | GETSPMSS04871B1 |
| 93094086G | 60 | 57.91 | 7 | 931 | 5.9 | 14 | 14 | 1.5 ft | GETSPMSS06071B1 |
| 93094087G | 64 | 61.91 | 8 | 1,064 | 6.7 | 12 | 12 | 1.5 ft | GETSPMSS06471B1 |
| 93094088G | 72 | 69.91 | 9 | 1,197 | 7.6 | 11 | 11 | 1.5 ft | GETSPMSS07271B1 |
| 93094089G | 84 | 81.91 | 10 | 1,330 | 8.4 | 10 | 10 | 1.5 ft | GETSPMSS08471B1 |
| 93094090 | 96 | 93.91 | 12 | 1,596 | 10.1 | 8 | 8 | 1.5 ft | GETSPMSS09671B1 |
| 93094091 | 108 | 105.91 | 13 | 1,729 | 10.9 | 7 | 7 | 1.5 ft | GETSPMSS10871B1 |
| 93094092G | 117 | 114.91 | 14 | 1,862 | 11.8 | 7 | 7 | 1.5 ft | GETSPMSS11771B1 |
| 93094093 | 120 | 117.91 | 15 | 1,995 | 12.6 | 6 | 6 | 1.5 ft | GETSPMSS12071B1 |

# Specifications – Double Sided PowerMAX

| SKU | T12 Length (in) | Actual Length (in) | Modules per Stick | Lumens per Stick* | Watts per Stick* | Sticks per 100W GLX Power Supply | Sticks per 100W GLX2 Power Supply | Whip Length | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 93094009G | 18 | 15.91 | 4 | 532 | 3.4 | 24 | 25 | 1.5 ft | GETSPMDS01871B1 |
| 93093360G | 24 | 21.91 | 6 | 798 | 5.0 | 16 | 17 | 1.5 ft | GETSPMDS02471B1 |
| 93094080G | 30 | 27.91 | 6 | 798 | 5.0 | 16 | 17 | 1.5 ft | GETSPMDS03071B1 |
| 93093963G | 36 | 33.91 | 8 | 1,064 | 6.8 | 12 | 12 | 1.5 ft | GETSPMDS03671B1 |
| 93094010G | 42 | 39.91 | 10 | 1,330 | 8.4 | 10 | 10 | 1.5 ft | GETSPMDS04271B1 |
| 93093964 | 48 | 45.91 | 12 | 1,596 | 10.0 | 8 | 8 | 1.5 ft | GETSPMDS04871B1 |
| 93093965 | 60 | 57.91 | 14 | 1,862 | 11.8 | 7 | 7 | 1.5 ft | GETSPMDS06071B1 |
| 93094011G | 64 | 61.91 | 16 | 2,128 | 13.4 | 6 | 6 | 1.5 ft | GETSPMDS06471B1 |
| 93093386 | 72 | 69.91 | 18 | 2,394 | 15.2 | 5 | 5 | 1.5 ft | GETSPMDS07271B1 |
| 93093365 | 84 | 81.91 | 20 | 2,660 | 16.8 | 5 | 5 | 1.5 ft | GETSPMDS08471B1 |
| 93093363G | 96 | 93.91 | 24 | 3,192 | 20.2 | 4 | 4 | 1.5 ft | GETSPMDS09671B1 |
| 93094006 | 108 | 105.91 | 26 | 3,458 | 21.8 | 3 | 3 | 1.5 ft | GETSPMDS10871B1 |
| 93094012G | 117 | 114.91 | 28 | 3,724 | 23.6 | 3 | 3 | 1.5 ft | GETSPMDS11771B1 |
| 93093364G | 120 | 117.91 | 30 | 3,990 | 25.2 | 3 | 3 | 1.5 ft | GETSPMDS12071B1 |

***Typical performance at 25C +/-10%.**

# Specifications – Single Sided PowerMAX HO

| SKU | T12 Length (in) | Actual Length (in) | Modules per Stick | Lumens per Stick* | Watts per Stick* | Sticks per 100W GLX Power Supply | Sticks per 100W GLX2 Power Supply | Whip Length | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 93094067 | 18 | 15.91 | 2 | 360 | 2.4 | 33 | 36 | 1.5 ft | GETSPHSS01871A1 / GETSPHSS01871B1 |
| 93093361G | 24 | 21.91 | 3 | 540 | 3.6 | 22 | 24 | 1.5 ft | GETSPHSS02471A1 / GETSPHSS02471B1 |
| 93094068 | 30 | 27.91 | 3 | 540 | 3.6 | 22 | 24 | 1.5 ft | GETSPHSS03071A1 / GETSPHSS03071B1 |
| 93094069 | 36 | 33.91 | 4 | 720 | 4.8 | 16 | 18 | 1.5 ft | GETSPHSS03671A1 / GETSPHSS03671B1 |
| 93094070 | 42 | 39.91 | 5 | 900 | 6.0 | 13 | 14 | 1.5 ft | GETSPHSS04271A1 / GETSPHSS04271B1 |
| 93094071 | 48 | 45.91 | 6 | 1,080 | 7.2 | 11 | 12 | 1.5 ft | GETSPHSS04871A1 / GETSPHSS04871B1 |
| 93094072 | 60 | 57.91 | 7 | 1,260 | 8.4 | 9 | 10 | 1.5 ft | GETSPHSS06071A1 / GETSPHSS06071B1 |
| 93094073 | 64 | 61.91 | 8 | 1,440 | 9.6 | 8 | 9 | 1.5 ft | GETSPHSS06471A1 / GETSPHSS06471B1 |
| 93097074 | 72 | 69.91 | 9 | 1,620 | 10.8 | 7 | 8 | 1.5 ft | GETSPHSS07271A1 / GETSPHSS07271B1 |
| 93094075 | 84 | 81.91 | 10 | 1,800 | 12.0 | 7 | 7 | 1.5 ft | GETSPHSS08471A1 / GETSPHSS08471B1 |
| 93094076G | 96 | 93.91 | 12 | 2,160 | 14.4 | 6 | 6 | 1.5 ft | GETSPHSS09671A1 / GETSPHSS09671B1 |
| 93094077G | 108 | 105.91 | 13 | 2,340 | 15.6 | 5 | 5 | 1.5 ft | GETSPHSS10871A1 / GETSPHSS10871B1 |
| 93094078G | 117 | 114.91 | 14 | 2,520 | 16.8 | 5 | 5 | 1.5 ft | GETSPHSS11771A1 / GETSPHSS11771B1 |
| 93094079 | 120 | 117.91 | 15 | 2,700 | 18.0 | 4 | 4 | 1.5 ft | GETSPHSS12071A1 / GETSPHSS12071B1 |

# Specifications – Double Sided PowerMAX HO

| SKU | T12 Length (in) | Actual Length (in) | Modules per Stick | Lumens per Stick* | Watts per Stick* | Sticks per 100W GLX Power Supply | Sticks per 100W GLX2 Power Supply | Whip Length | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 93094015G | 18 | 15.91 | 4 | 720 | 4.8 | 16 | 18 | 1.5 ft | GETSPHDS01871A1 / GETSPHDS01871B1 |
| 93093362 | 24 | 21.91 | 6 | 1,080 | 7.2 | 11 | 12 | 1.5 ft | GETSPHDS02471A1 / GETSPHDS02471B1 |
| 93094056G | 30 | 27.91 | 6 | 1,080 | 7.2 | 11 | 12 | 1.5 ft | GETSPHDS03071A1 / GETSPHDS03071B1 |
| 93094057G | 36 | 33.91 | 8 | 1,440 | 9.6 | 8 | 9 | 1.5 ft | GETSPHDS03671A1 / GETSPHDS03671B1 |
| 93094058G | 42 | 39.91 | 10 | 1,800 | 12.0 | 7 | 7 | 1.5 ft | GETSPHDS04271A1 / GETSPHDS04271B1 |
| 93094059G | 48 | 45.91 | 12 | 2,160 | 14.4 | 5 | 6 | 1.5 ft | GETSPHDS04871A1 / GETSPHDS04871B1 |
| 93094060 | 60 | 57.91 | 14 | 2,520 | 16.8 | 5 | 5 | 1.5 ft | GETSPHDS06071A1 / GETSPHDS06071B1 |
| 93094061 | 64 | 61.91 | 16 | 2,880 | 19.2 | 4 | 4 | 1.5 ft | GETSPHDS06471A1 / GETSPHDS06471B1 |
| 93094062G | 72 | 69.91 | 18 | 3,240 | 21.6 | 4 | 4 | 1.5 ft | GETSPHDS07271A1 / GETSPHDS07271B1 |
| 93093962G | 84 | 81.91 | 20 | 3,600 | 24.0 | 3 | 3 | 1.5 ft | GETSPHDS08471A1 / GETSPHDS08471B1 |
| 93094063G | 96 | 93.91 | 24 | 4,320 | 28.8 | 3 | 3 | 1.5 ft | GETSPHDS09671A1 / GETSPHDS09671B1 |
| 93094064G | 108 | 105.91 | 26 | 4,680 | 31.2 | 2 | 2 | 1.5 ft | GETSPHDS10871A1 / GETSPHDS10871B1 |
| 93094065G | 117 | 114.91 | 28 | 5,040 | 33.6 | 2 | 2 | 1.5 ft | GETSPHDS11771A1 / GETSPHDS11771B1 |
| 93094066 | 120 | 117.91 | 30 | 5,400 | 36.0 | 2 | 2 | 1.5 ft | GETSPHDS12071A1 / GETSPHDS12071B1 |

***Typical performance at 25C +/-10%.**

# Additional Specifications

| | | | | | |
|---|---|---|---|---|---|
| **Dimmable** | Yes (with dimmable power supply) | | | | |
| **Quantity per Box** | 5 | | | | |
| **Cutting Resolution** | Cut on wire between every module | | | | |
| **Power Supply** | Tetra 24V power supplies | | | | |
| **Maximum Supply Wire Limits** | | **18 AWG/0.82 mm² Supply Wire** | **16 AWG/1.31 mm² Supply Wire** | **14 AWG/2.08 mm² Supply Wire** | **12 AWG/3.31 mm² Supply Wire** |
| | 25W Power Supply | 120 ft./36.6 m | - | - | - |
| | 100W Power Supply | 20 ft./6.1 m | 25 ft./7.6 m | 35 ft./10.6 m | 40 ft./12.1 m |
| | 180W Power Supply | 20 ft./6.1 m | 25 ft./7.6 m | 35 ft./10.6 m | 40 ft./12.1 m |
| | 300W Power Supply | 20 ft./6.1 m | 25 ft./7.6 m | 35 ft./10.6 m | 40 ft./12.1 m |
| **Operating Environment** | -40 °C to +60 °C (-40 °F to +140 °F) | | | | |
| **Warranty** | Limited system warranty of up to ten (10) years | | | | |
| **System Certifications** | UL Recognized (C-US) #E219167 for dry or damp locations, UL Classified (C-US) #E229508, ROHS. | | | | |



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(Rev 08/25/26)
**SIGN221_R03**