

Qwik Stik

LED Retrofit @ Fluorescent Prices

Product Retrofit Guide



Proudly Assembled in the USA.



Patent Pending

WARNING



- **Installation must only be performed by a licensed electrician.**
- **To prevent death, injury or damage to property this product must be installed in accordance with the National Electric Code in the USA or Canadian Electrical Code (CSA22.1) in Canada.**
- **Install according to Kit Model: PL-RT1-001. Go to www.p-led.com for details.**



PRINCIPAL LED

PEOPLE • PERFORMANCE • PRICE

Easy Retrofit Assembly

Note: Do not insert Qwik Stik into existing sockets until ballast has been disconnected from mains and removed.



1. Disconnect Power from Mains.



2. Cut power and secondary lines to the existing ballast and remove.



3. Remove old Fluorescent Lamps from existing lamp sockets.



4. Insert Qwik Stik into lamp socket. See depth chart to determine LED direction.



5. Using UL listed 12-18 gauge hook-up wire, connect grey wire (+) and white wire (-) to the 12V power unit using waterproof wire nuts.

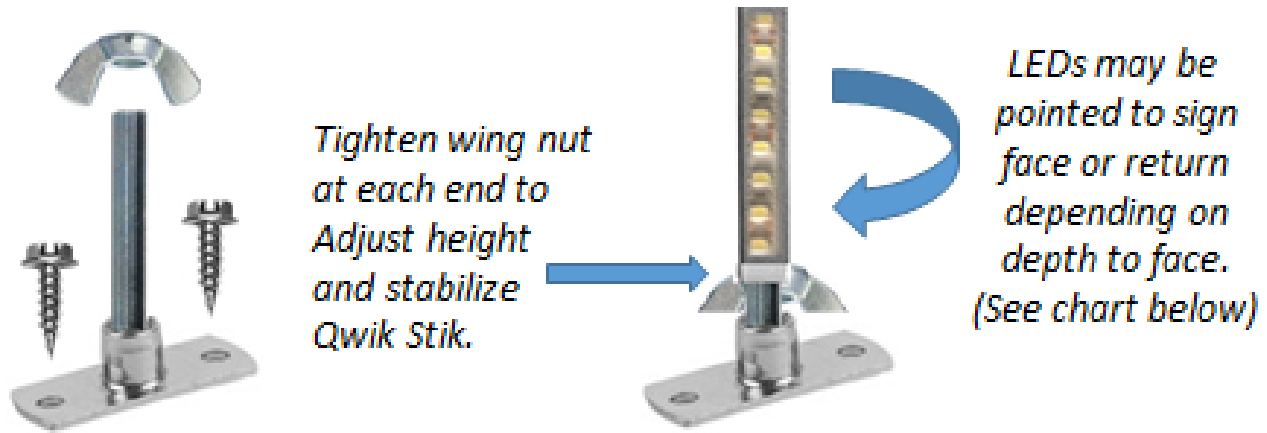


6. Connect hook-up wire to the secondary output of 12V DC Power Supply.

Qwik Stik Product Specifications

Part Number	Description	Max. Overall Length (inches)	Lumens	Watts	Max. Units per 12V, 60W PS
PL-QS18-XX-SS	Single Sided, 18" T12 HO Lamp Equivalent	15.91	280	3.0	20
PL-QS18-XX-DS	Double Sided, 18" T12 HO Lamp Equivalent	15.91	560	6.0	10
PL-QS18-XX-SH	Shallow, 360 degree, 18" T12 HO Lamp Equivalent	15.91	670	7.2	8
PL-QS24-XX-SS	Single Sided, 24" T12 HO Lamp Equivalent	21.91	560	6.0	10
PL-QS24-XX-DS	Double Sided, 24" T12 HO Lamp Equivalent	21.91	1120	12.0	5
PL-QS24-XX-SH	Shallow, 360 degree, 24" T12 HO Lamp Equivalent	21.91	935	10.0	6
PL-QS30-XX-SS	Single Sided, 30" T12 HO Lamp Equivalent	27.91	560	6.0	10
PL-QS30-XX-DS	Double Sided, 30" T12 HO Lamp Equivalent	27.91	1120	12.0	5
PL-QS30-XX-SH	Shallow, 360 degree, 30" T12 HO Lamp Equivalent	27.91	1210	13.0	4
PL-QS36-XX-SS	Single Sided, 36" T12 HO Lamp Equivalent	33.91	840	9.0	6
PL-QS36-XX-DS	Double Sided, 36" T12 HO Lamp Equivalent	33.91	1680	18.0	3
PL-QS36-XX-SH	Shallow, 360 degree, 36" T12 HO Lamp Equivalent	33.91	1480	15.8	3
PL-QS42-XX-SS	Single Sided, 42" T12 HO Lamp Equivalent	39.91	840	9.0	6
PL-QS42-XX-DS	Double Sided, 42" T12 HO Lamp Equivalent	39.91	1680	18.0	3
PL-QS42-XX-SH	Shallow, 360 degree, 42" T12 HO Lamp Equivalent	39.91	1750	18.7	3
PL-QS48-XX-SS	Single Sided, 48" T12 HO Lamp Equivalent	45.91	1120	12.0	4
PL-QS48-XX-DS	Double Sided, 48" T12 HO Lamp Equivalent	45.91	2240	24.0	2.5
PL-QS48-XX-SH	Shallow, 360 degree, 48" T12 HO Lamp Equivalent	45.91	2020	21.6	2.5
PL-QS60-XX-SS	Single Sided, 60" T12 HO Lamp Equivalent	57.91	1400	15.0	4
PL-QS60-XX-DS	Double Sided, 60" T12 HO Lamp Equivalent	57.91	2800	30.0	2
PL-QS60-XX-SH	Shallow, 360 degree, 60" T12 HO Lamp Equivalent	57.91	2550	27.4	2
PL-QS64-XX-SS	Single Sided, 64" T12 HO Lamp Equivalent	61.91	1400	15.0	4
PL-QS64-XX-DS	Double Sided, 64" T12 HO Lamp Equivalent	61.91	2800	30.0	2
PL-QS64-XX-SH	Shallow, 360 degree, 64" T12 HO Lamp Equivalent	61.91	2650	28.4	2
PL-QS72-XX-SS	Single Sided, 72" T12 HO Lamp Equivalent	69.91	1680	18.0	3
PL-QS72-XX-DS	Double Sided, 72" T12 HO Lamp Equivalent	69.91	3360	36.0	1.5
PL-QS72-XX-SH	Shallow, 360 degree, 72" T12 HO Lamp Equivalent	69.91	3100	33.1	1.5
PL-QS84-XX-SS	Single Sided, 84" T12 HO Lamp Equivalent	81.91	1960	21.0	2
PL-QS84-XX-DS	Double Sided, 84" T12 HO Lamp Equivalent	81.91	3920	42.0	1
PL-QS84-XX-SH	Shallow, 360 degree, 84" T12 HO Lamp Equivalent	81.91	3630	38.9	1.5
PL-QS96-XX-SS	Single Sided, 96" T12 HO Lamp Equivalent	93.91	2240	24.0	2
PL-QS96-XX-DS	Double Sided, 96" T12 HO Lamp Equivalent	93.91	4480	48.0	1
PL-QS96-XX-SH	Shallow, 360 degree, 96" T12 HO Lamp Equivalent	93.91	4160	44.6	1
PL-QS108-XX-SS	Single Sided, 108" T12 HO Lamp Equivalent	105.91	2520	27.0	2
PL-QS108-XX-DS	Double Sided, 108" T12 HO Lamp Equivalent	105.91	5040	54.0	1
PL-QS108-XX-SH	Shallow, 360 degree, 108" T12 HO Lamp Equivalent	105.91	4700	50.4	1
PL-QS117-XX-SS	Single Sided, 120" T12 HO Lamp Equivalent	114.91	2800	30.0	2
PL-QS117-XX-DS	Double Sided, 120" T12 HO Lamp Equivalent	114.91	5600	60.0	1
PL-QS117-XX-SH	Shallow, 360 degree, 120" T12 HO Lamp Equivalent	114.91	5140	55.2	1
PL-QS120-XX-SS	Single Sided, 120" T12 HO Lamp Equivalent	117.91	2800	30.0	2
PL-QS120-XX-DS	Double Sided, 120" T12 HO Lamp Equivalent	117.91	5600	60.0	1
PL-QS120-XX-SH	Shallow, 360 degree, 120" T12 HO Lamp Equivalent	117.91	5240	56.2	1

Note: For **New Construction** mounting brackets are available (PN / PL-QS-MB1) as a mounting Base on each side of the cabinet as shown.



1. Mount base to each side of the return.

2. Insert Qwik Stik onto threaded base and adjust using wing nut to desired position and tighten.

Depth Chart (Double Sided)

Depth to Face	On-Center Spacing	Qwik Stik Type	Mounting
<4"	<i>not recommended</i>		
4-6"	8"	Qwik Stik 360 (4 sided)	Brackets
6-8"	12"	Qwik Stik 360 (4 sided)	Existing Sockets
8"-16"	12"	QS Double Sided	Existing Sockets
>16"	12"	QS Single Sided x2"	Brackets



Qwik Stik 360°
4-sided, 360° emission
for shallow cabinets!

*Note: For cabinet depths greater than 32" (DS) or 16" (SS), mount single sided Qwik Stiks, 12" deep and facing toward the sign face on each side of the cabinet.

Troubleshooting:

1. Check Power to sign.
2. Check power connection to the driver
3. Check polarity on the DC side (Grey+ / White-)
4. Check wire nut connections to each stick