



12VAC Transformers: Tegan Lighting offers a variety of magnetic transformers that are compatible with the Monopoints and Trac Systems for various layouts. Q-Tran is offered as premium quality; for value pricing and quick-ship, we provide SEBCO. Refer to the linked chart on page 3 for specification details. Specify MLV controls with magnetic transformers. **Note:** Contact transformer manufacturers for more details. Contact Tegan Lighting for international transformers.

Enclosures: Q-Tran Small - 8 5/8" H x 5 3/4" W x 3 1/8" D (QT-S), Q-Tran Medium - 11" H x 7" W x 4 1/2" D (QT-M), SEBCO Small - 6 3/4" x 5" x 4 1/2" (SB-S), SEBCO Medium 8 1/4" H x 5 3/4" W x 5" D (SB-M).

Remote mounting the power supply provides a clean minimalist aesthetic that will result in a noise free installation. Install the power supply in an accessible remote location such as a closet or above a ceiling tile. Installing contractor to leave a minimum of 4" clearance around enclosure. Electrical contractor to connect electrical wire from the transformer to the system power feed utilizing the correct gauge to provide the proper voltage at the Systems/Monopoints. The wire gauge used to supply power to the trac should be sized according to the distance between the transformer and the Trac. Enclosure and power supply are provided as a kit. Q-Tran and SEBCO transformers provided with enclosures, Tegan enclosure not needed.

Material: Steel.

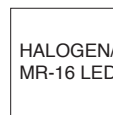
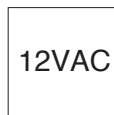
Finish: Powdercoated paint, White (Q-Tran), Grey (SEBCO).

Systems: Remote Power Supplies are required for all Spotlights and Luminaires with the specified Trac or Monopoint system(s) - except Surface Mount, Recessed Enclosure Monopoints and Decorative Power Supply with integral transformers. Refer to these linked Specsheets and Installation Sheets for details: [Centro Trac Systems](#), [Retrac System \(RTS\)](#), [Monopoint Recessed Flat Plate - Remote Power Source \(MPRFP-RP\)](#), [Monopoint Recessed Trimless - Remote Power Source \(MRTL-RP\)](#), [Monopoint Panel Mount - Remote Power Source \(MPPM-RP\)](#).

Spotlights: [Evo](#), [Arlo](#), [Claro](#), [Argent](#), [Arte-MR-16](#), [Arte-AR-111](#), [Tiro](#)

Installation: Refer to Installation Instructions for details: [Q-Tran Instructions](#), [SEBCO Instructions](#)

Labels: Refer to linked Power Supply Specsheets on the following pages for Manufacturer's listing. Interior applications only. In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on teganlighting.com are the most recent version and supersede all other versions that exist in any other printed or electronic form.



12VAC Magnetic Transformer Catalog Codes

Premium

Q-Tran Small Enclosure 50W, 120V
Cat. Code: QT-S-50W-120V^{1,2,3,4,5,9}

Q-Tran Small Enclosure 50W, 277V
Cat. Code: QT-S-50W-277V^{5,9}

Q-Tran Small Enclosure 150W, 120V
Cat. Code: QT-S-150W-120V^{5,9}

Q-Tran Small Enclosure 150W, 277V
Cat. Code: QT-S-150W-277V^{5,9}

Q-Tran Small Enclosure 300W, 120V
Cat. Code: QT-S-300W-120V^{5,7,9}

Q-Tran Small Enclosure 300W, 277V
Cat. Code: QT-S-300W-277V^{7,7,9}

Q-Tran Medium Enclosure 600W, 120V
Cat. Code: QT-M-600W-120V^{5,7,9}

Q-Tran Medium Enclosure 600W, 277V
Cat. Code: QT-M-600W-277V^{5,7,9}

Value/Quick Ship

SEBCO Small Enclosure 100W, 120V
Cat. Code: SB-S-100W-120V^{6,10}

SEBCO Small Enclosure 100W, 277V
Cat. Code: SB-S-100W-277V^{6,10}

SEBCO Small Enclosure 150W, 120V
Cat. Code: SB-S-150W-120V^{6,10}

SEBCO Small Enclosure 300W, 120V
Cat. Code: SB-S-300W-120V^{6,7,10}

SEBCO Small Enclosure 300W, 277V
Cat. Code: SB-S-300W-277V^{6,7,10}

SEBCO Medium Enclosure 600W, 120V
Cat. Code: SB-M-600W-120V^{6,7,10}


SEBCO Medium Enclosure 600W, 277V
Cat. Code: SB-M-600W-277V^{6,7,10}

Notes:

- ¹ Spotlight, Luminaire, and Systems are specified separately. Refer to the linked Specification Sheets on page 1 for more detail.
- ² See table on page 3 for Power Supply options.
- ³ Due to the rapidly evolving technology for semiconductor products, Tegan transformer options are subject to change at any time, without notice. In addition, if any of the standard transformers are out of stock or discontinued, Tegan Lighting will supply an equal as needed. Tegan can also supply alternative transformers upon request; contact the factory for details.
- ⁴ Tegan transformer standard options are subject to change at any time, without notice. Tegan can also supply alternate transformers upon request; contact the factory for details. Specify magnetic dimmer(s) for magnetic transformer(s). Contact transformer manufacturer for more details. Contact Tegan Lighting for International Transformers.
- ⁵ Q-Tran transformers are provided with Q-Tran enclosures.
- ⁶ Sebco transformers provided with Sebco enclosures.
- ⁷ Each 300W transformer should be connected to separate/isolated Trac circuits.
- ⁸ Note use ONLY magnetic 12VAC transformers for MR-16 LED lamps; electronic not recommended.
- ⁹ Q-Tran is offered as the premium quality option.
- ¹⁰ SEBCO is the value-pricing & quick-ship option.



12VAC Power Supplies - Halogen/LED Magnetic Transformers^{1,2,3,4,5,6,7}

Description	Catalog #	Watts	Min / Max Wattage ⁸	Enclosure Size ⁹	Typical Transformer Links ⁸
50W-12V-AC-Magnetic-120V	QT-S-50-120V	50W	1W / 50W	Q6-S	QTran-Q6S-50DT-120/12-1x25-CK-S
50W-12V-AC-Magnetic-277V	QT-S-50-277V	50W	1W / 50W	Q6-S	QTran-Q6S-50DT-277/12-1x25-CK-S
100W-12V-AC-Magnetic-120V	QT-S-100-120V	100W	1W / 100W	Q6-S	QTran-Q6S-100DT-120/12-1x25-CK-S
100W-12V-AC-Magnetic-277V	QT-S-100-277	100W	1W / 100W	Q6-S	QTran-Q6S-100DT-277/12-1x25-CK-S
150W-12V-AC-Magnetic-120V	QT-S-150-120V	150W	1W / 150W	Q6-S	QTran-Q6S-150DT-120/12-1x25-CK-S
150W-12V-AC-Magnetic-277V	QT-S-150-277V	150W	1W / 150W	Q6-S	QTran-Q6S-150DT-277/12-1x25-CK-S
300W-12V-AC-Magnetic-120V ¹⁰	QT-S-300-120V	300W	1W / 300W	Q6-S	QTran-Q6S-300DT-120/12-1x25-CK-S
300W-12V-AC-Magnetic-277V ¹⁰	QT-S-300-277V	300W	1W / 300W	Q6-S	QTran-Q6S-300DT-277/12-1x25-CK-S
600W-12V-AC-Magnetic-120V ^{10,11}	QT-M-600-120V	600W	1W / 600W	Q6-M	QTran-Q6M-600DT-120/12-2x25-CK-L
600W-12V-AC-Magnetic-277V ^{10,11}	QT-M-600-277V	600W	1W / 300W	Q6-M	QTran-Q6M-600DT-277/12-2x25-CK-L
Q-Tran Voltage Calculator					QTran Voltage Calculator
SEBCO-100W-Magnetic Transformer-120V	SB-S-100W-120V	100W	1W / 100W	SB-S	SEBCO-S-100W-120V
SEBCO-100W-Magnetic Transformer-277V	SB-S-100W-277V	100W	1W / 100W	SB-S	SEBCO-S-100W-277V
SEBCO-150W-Magnetic Transformer-120V	SB-S-150W-120V	150W	1W / 150W	SB-S	SEBCO-S-150W-120V
SEBCO-300W-Magnetic Transformer-120V ¹⁰	SB-S-300W-120V	300W	1W / 300W	SB-S	SEBCO-S-300W-120V
SEBCO-300W-Magnetic Transformer-277V ¹⁰	SB-S-300W-277V	600W	1W / 300W	SB-S	SEBCO-S-300W-277V
SEBCO-600W-Magnetic Transformer-120V ^{10,11}	SB-M-600W-120V	300W	1W / 600W	SB-M	SEBCO-S-600W-120V
SEBCO-600W-Magnetic Transformer-277V ^{10,11}	SB-M-600W-277V	600W	1W / 600W	SB-M	SEBCO-S-600W-277V

Notes

- ¹ MR-16 LED lamp (contact factory for options) can operate on any 12VAC transformer.
- ² 24VDC LED Spots/Luminaires can not operate on the same system as 12VAC Halogen Spots.
- ³ Note use ONLY magnetic 12VAC transformers for MR-16 LED lamps; electronic not recommended.
- ⁴ Contact factory for lower wattage magnetic transformer options.
- ⁵ Tegan transformer standard options are subject to change at any time, without notice. Tegan can also supply alternate transformers upon request; contact the factory for details. Specify ELV controls with electronic halogen transformers and MLV controls with magnetic transformers. Contact transformer manufacturer for more details.
- ⁶ Refer to manufacturer's spec sheets for recommended remote mount distance.
- ⁷ Q-Tran is offered as premium quality; for value pricing and quick-ship, we provide SEBCO.
- ⁸ Minimum and maximum wattage information provided by the transformer manufacturer, refer to linked transformer specification sheets for the most current detail.
- ⁹ Q-Tran and SEBCO transformers are provided with a UL Listed enclosure. Tegan enclosure is not needed.
- ¹⁰ Each 300W/ transformer should be connected to separate/isolated Trac circuits.
- ¹¹ Note two (2) 300W transformers are used/specified for the 600W option. Minimum and maximum wattage for each transformer.



12V Magnetic Transformer Guide

Q-Tran 12VAC Magnetic Transformers ^{1,2,3,4} Specsheet Link							
120V/277V Transformer Watts	Soraa Lamp Watts/Qty					Transformer Code	Finish
	6W Lamp	7.5W Lamp	9W Lamp	12.5W Lamp	18.5W Lamp		
50W							
Non-Dimming	5	4	3	2	1	QT-S-50W-120V QT-S-50W-277V	White
Dimming	4	3	2	2	1		
150W							
Non-Dimming	17	14	11	8	5	QT-S-150W-120V QT-S-150W-277V	White
Dimming	12	10	8	6	4		
300W							
Non-Dimming	35	28	23	17	11	QT-S-300W-120V QT-S-300W-277V	White
Dimming	25	20	16	12	8		
600W							
Non-Dimming	70	56	46	34	23	QT-M-600W-120V QT-M-600W-277V	White
Dimming	50	40	32	24	16		
VALUE - SEBCO 12VAC Magnetic Transformers ^{1,2,3,4} Specsheet Link							
120V/277V Transformer Watts	Soraa Lamp Watts/Qty					Transformer Code	Finish
	6W Lamp	7.5W Lamp	9W Lamp	12.5W Lamp	18.5W Lamp		
100W							
Non-Dimming	11	9	7	5	3	SB-S-100W-120V SB-S-100W-277V	Dark Grey
Dimming	8	6	5	4	2		
150W							
Non-Dimming	17	14	11	8	5	SB-S-150W-120V	Dark Grey
Dimming	12	10	8	6	4		
300W							
Non-Dimming	35	28	23	17	11	SB-S-300W-120V SB-S-300W-277V	Dark Grey
Dimming	25	20	16	12	8		
600W							
Non-Dimming	70	56	46	34	23	SB-M-600W-120V SB-M-600W-277V	Dark Grey
Dimming	50	40	32	24	16		

¹ Note that when used with MR16 and AR-111 LED lamps, the lamp has higher in-rush current than its rated wattage and has to be taken into consideration when specifying the system and power supply. Dimming and non-dimming; all power supplies. Visit this link for a calculator as a guideline for system sizing: [In-Rush Current Calculator](#). Contact Soraa or additional information.


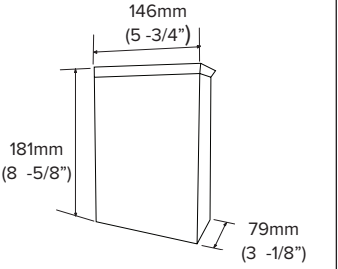

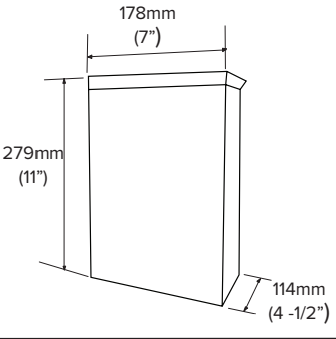

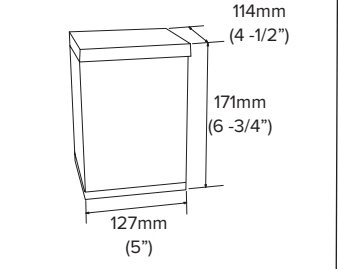

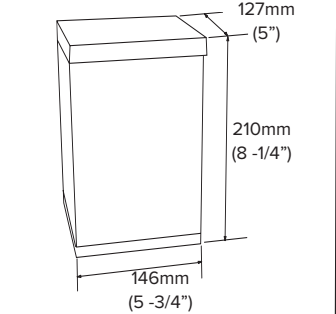
² Refer to 12VAC Magnetic Transformer Specsheet for minimum and maximum driver ratings. Installation must be within Power Supply specifications. An incorrect installation will result in unfavorable operating results and will damage the components.

³ Each 300W transformer should be connected to separate/isolated Trac circuits.

⁴ Remote Mount Distance: An AC (alternating current) electronic transformer should not be placed any farther than 10 feet from the lighting system. If it should be placed farther away than 10 feet from the lighting system, part or all of the lighting system will experience a lower voltage (known as voltage drop) and may result in dimmer lamps. Also, the longer the distance from the AC electronic transformer and the lighting system, the greater the chance that it might create radio frequency interference (RFI) with other electronic components in the area. Refer to the manufacturers Specsheets for remote mount distances.



Magnetic Transformer - Enclosures

<p>Small Q-Tran Power Supply Enclosure (QT-S)</p> 	 <p>146mm (5 - 3/4")</p> <p>181mm (8 - 5/8")</p> <p>79mm (3 - 1/8")</p>	<p>Medium Q-Tran Power Supply Enclosure (QT-M)</p> 	 <p>178mm (7")</p> <p>279mm (11")</p> <p>114mm (4 - 1/2")</p>
<p>Small SEBCO Power Supply Enclosure (SB-S)</p> 	 <p>114mm (4 - 1/2")</p> <p>171mm (6 - 3/4")</p> <p>127mm (5")</p>	<p>Medium SEBCO Power Supply Enclosure (SB-M)</p> 	 <p>127mm (5")</p> <p>210mm (8 - 1/4")</p> <p>146mm (5 - 3/4")</p>

Q-Tran and SEBCO Power Supply Enclosures are suitable for magnetic Halogen/MR-16 LED transformers. Powder coated steel painted finish. Choose Q-Tran for premium quality; SEBCO for value-pricing and quick-ship.

