

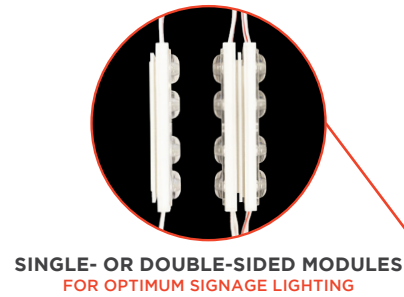


AGILIGHT TURNLOCK PRO

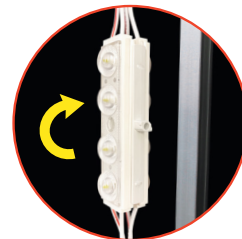
The AgiLight Turnlock PRO lets you quickly build custom LED light bars in the field or sign shop. The system features single- or double-sided high efficacy modules and our innovative Turnlock system. Simply turn and lock modules firmly in place on the sturdy Turnlock PRO I-beam bar for rigid, vibration-proof installations. Cut your light bars to fit on the fly. Turnlock PRO features Constant Current technology – each module is as bright as the first, providing even illumination in applications as shallow as 3 in. (75 mm) from the sign face. The unique Turnlock system lets you place modules exactly where they are required for fully customizable brightness.

FEATURES:

- Build custom 24V LED light bars on the fly
- Best-in-class efficacy of 170 lm/W
- Single- and double-sided options
- 6500K (other CCTs upon request)
- Turnlock system secures modules firmly in place (no screws, tape or adhesive required)
- Place modules precisely where they are required (no wasted light – fully adjustable brightness!)
- Run up to four 8-ft double-sided bars on one 100W power supply
- Use with RetroRayz PRO light bars or Lyte Series modules for matching performance
- HO End Caps available for fluorescent retrofit
- Adjustable Mounting Brackets for precise installation
- Use Couplers to build longer bars or eliminate waste by joining cut pieces
- 9-year warranty



SINGLE- OR DOUBLE-SIDED MODULES
FOR OPTIMUM SIGNAGE LIGHTING



TURNLOCK SYSTEM
FOR QUICK ASSEMBLY
AND ADJUSTABLE BRIGHTNESS



IP67

ORDERING GUIDE

Image	Description	Part No.	Ordering Unit	Contains	Suggested Quantity for 24 8-foot Bars
	6500K Single-sided Module	LS-TLP-PL4-65K-347-SS	Bag	32 module assemblies	6 bags
	6500K Double-sided Module	LS-TLP-PL4-65K-347-DS	Bag	32 module assemblies	6 bags
	Turnlock PRO Bar	LS-TLP-096-BAR	Box	24 8-foot bars	1 box
	Adjustable Mounting Bracket	LS-TLP-MNT	Bag	8 brackets	6 bags
	HO End Cap	LS-TLP-CAP	Bag	8 end caps	6 bags
	Coupler	LS-TLP-COUP	Bag	4 couplers	--
	24V 100W Power Supply	PS24-100W-GN Article No.: 28000513A	Driver	1 driver	3 drivers (SS) 6 drivers (DS)

Additional Drivers Available

	24V 30W Power Supply	PS24-30W-GN Article No.: 28000516A	Driver	1 driver	--
	24V 60W Power Supply	PS24-60W-GN Article No.: 28000512A	Driver	1 driver	--
	24V 300W Power Supply	PS24-300W-GN Article No.: 28000514A	Driver	1 driver	--



PRODUCT RATINGS

Luminous Efficacy	170 lm/W @ 6500K
Wattage per Module	1.44 W Nominal (SS) 2.88 W Nominal (DS)
Input Voltage	24 V DC
Input Current	0.06 A/ SS module
Max. Module Spacing	12 in. (305 mm)
# of Modules Per Foot	1
# of Modules Per Meter	3.28
Lumens Per Module	245 (SS) 490 (DS)
Lumens Per Foot (at max. module spacing)	245 (SS) 490 (DS)
Lumens Per Meter (at max. module spacing)	804 (SS) 1607 (DS)
Ingress Protection	IP67
Beam Angle	176°
MacAdam ellipse	3-step binning
Operating Temperature	-13° - +140° F (-25° - +60° C)
L70 Lifetime @ 60° C	50,000 hours
Warranty	9-Year Limited Warranty

POWER SUPPLY LOADING

Power Supply	Total # of Modules (SS)	Total # of Modules (DS)
30W	19	9
60W	38	19
100W	64	32
300W (100W x 3 channels)	64x3	32x3

Notes: 1. Loading calculated at 25°C.
2. Single String Max Modules values can be used with the remote mounting to power supply table.

REMOTE MOUNTING DISTANCE

Power Supply	18AWG (ft/m)	16AWG (ft/m)	14AWG (ft/m)	12AWG (ft/m)
30W	83/25.397	135/41.026	213/65.041	336/102.56
60W	42/12.698	67/20.513	107/32.520	168/51.28
100W	25/7.619	40/12.308	64/19.512	101/30.77
300W*	25/7.619	40/12.308	64/19.512	101/30.77

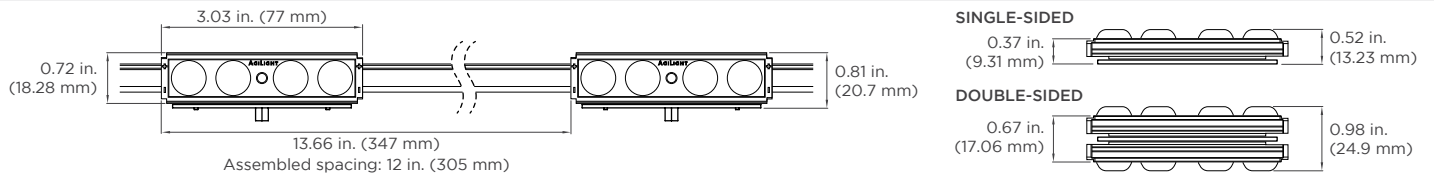
Notes: 1. These values are good for use with Power Supply Loading Table Single String Max Module values
* Values are per output. The 300W power supply provides three 100W outputs. Outputs cannot be combined.

LAYOUT GUIDE (based on 12 in. | 305 mm module spacing)

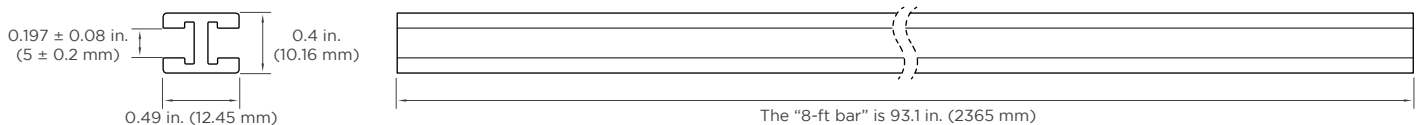
Channel Depth	Bar Spacing	Channel Depth	Bar Spacing
3 in. (75 mm)	10 in. (250 mm)	6 in. (150 mm)	18 in. (450 mm)
4 in. (100 mm)	12 in. (300 mm)	8 in. (200 mm)	22 in. (550 mm)
5 in. (125 mm)	14 in. (350 mm)		

DIMENSION DRAWING

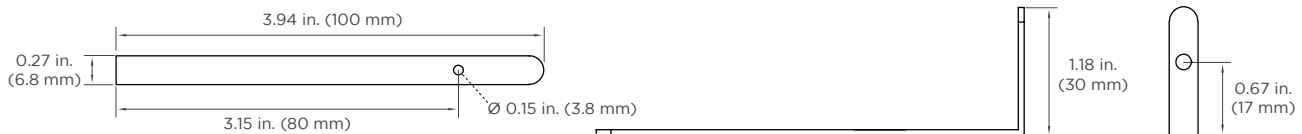
Single- and Double-sided Modules



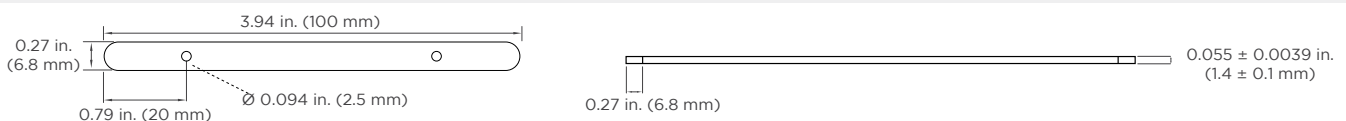
Turnlock PRO Bar



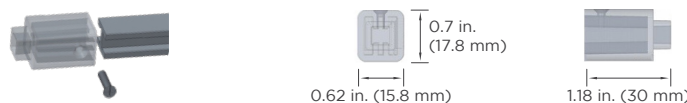
Adjustable Mounting Bracket



Coupler



HO End Cap

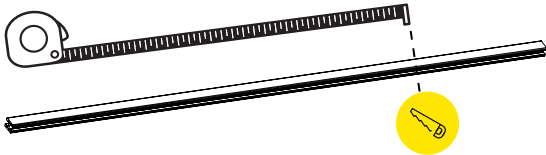




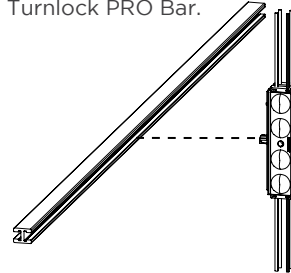
INSTALLATION

NOTE: a. You can either install the Turnlock PRO Bar and then add the modules (between steps 1 and 2) OR you can attach the modules and then install the Turnlock PRO Bar (between steps 6 and 7).
b. When using single-sided modules, ensure that modules face the intended direction.

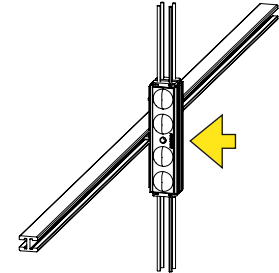
1. Measure Turnlock PRO Bar to determine desired length, number of modules and placement. Cut Turnlock PRO Bar to fit.*



2. Align module so that it is perpendicular to Turnlock PRO Bar.

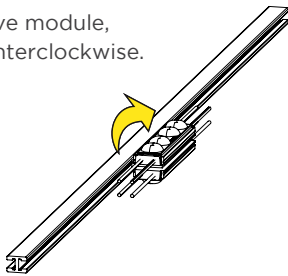


3. Push module fully into Turnlock PRO Bar.

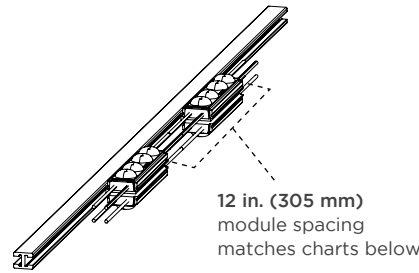


4. Rotate module clockwise until it locks into place, parallel with Turnlock PRO Bar.

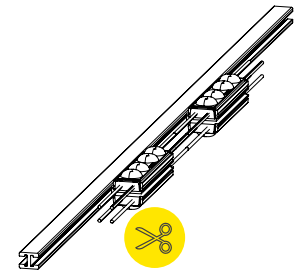
To remove module, turn counterclockwise.



5. Move to the next module in the string and repeat.



6. Cut wires to fit. Cap end wires.



7. Attach to power supply. Please reference Power Supply Loading table on page 2.



Up to **64** Single-sided Modules
or
Up to **32** Double-sided Modules

* We recommend using End Caps to retrofit HO fixtures and Adjustable Mounting Brackets to retrofit one- or two-pin fixtures. The figures in this chart are for standard HO end cap fixtures. Installer should double-check lengths before cutting. AgiLight is not responsible for slight dimension variations.

Standard fluorescent lengths		Suggested # of modules per bar	Cut Turnlock PRO Bars to (then add end caps)	Standard fluorescent lengths		Suggested # of modules per bar	Cut Turnlock PRO Bars to (then add end caps)
F18T12	15.8 in. / 401 mm	2	15.1 in./383.5 mm	F15T8	17.2 in. / 438 mm	2	16.5 in. / 419 mm
F24T12	21.8 in. / 554 mm	2	21.1 in./535.9 mm	F18T8	22.8 in. / 580 mm	2	22.1 in. / 561 mm
F30T12	27.8 in. / 706 mm	3	27.1 in./688.3 mm	F30T8	33.8 in. / 859 mm	3	33.1 in. / 841 mm
F36T12	33.8 in. / 858.5 mm	3	33.1 in./840.7 mm	F36T8	47.2 in. / 1200 mm	4	46.5 in. / 1181 mm
F42T12	39.8 in. / 1011 mm	4	39.1 in./993.1 mm	F58T8	59.1 in. / 1500 mm	5	58.4 in. / 1483 mm
F48T12	45.8 in. / 1163 mm	4	45.1 in./1145.5 mm	F70T8	69.4 in. / 1763 mm	6	68.7 in. 1745 mm
F60T12	57.8 in. / 1468 mm	5	57.1 in./1450.3 mm				
F64T12	61.8 in. / 1570 mm	5	61.1 in./1551.9 mm	F14T5	21.6 in. / 549 mm	2	20.9 in. / 531 mm
F72T12	69.8 in. / 1773 mm	6	69.1 in./1755.1 mm	F18T5	23.0 in. / 585 mm	2	22.3 in. / 566 mm
F84T12	81.8 in. / 2078 mm	7	81.1 in./2059.9 mm	F21T5	33.4 in. / 849 mm	3	32.7 in. / 831 mm
F96T12	93.8 in. / 2383 mm	8	*93.1 in./2364.7 mm	F28T5	45.2 in. / 1149 mm	4	44.5 in. / 1130 mm
F108T12	105.8 in. / 2687 mm	9	**105.1 in./2669.5 mm	F32T5	47.0 in. / 1195 mm	4	46.3 in. / 1176 mm
F117T12	114.8 in. / 2916 mm	10	**114.1 in./2898.1 mm	F35T5	57.0 in. / 1449 mm	5	56.3 in. / 1430 mm
F120T12	117.8 in. / 2992 mm	10	**117.1 in./2974.3 mm				

* full bar/no cut needed ** 2 pieces with coupler