

Catalog Number	
Notes	Type



Low-Profile T5 Striplight

Z NY

Linear Lamps
1 or 2 Lamps

FEATURES & SPECIFICATIONS

INTENDED USE — The industry's next generation in linear direct fluorescent products. This new compact, low-profile design offers our customers unique product features which improve the overall installation process and appearance while reducing labor cost, making it the most versatile solution for commercial, retail, manufacturing, warehouse, and cove and display applications.

ATTRIBUTES — Designed to accommodate a wide variety of T5 and T5HO lamp lengths. Channel offers the gripper back feature which strengthens the overall construction and allows for the use of the Z spring hanger (see back). Patent-pending channel cover offers a secure fit design allowing for quick attachment and easy access without pinching wires.

CONSTRUCTION — Constructed to comply with New York City electric code. Made in USA.

Compact designed channel and cover are formed from code-gauge cold-rolled steel. Locking lamp holder tracks bolsters strength of the overall strip construction while creating improved lamp stability. Design includes T5 socket, features rotating collar and enclosed contacts. Patent-pending "three-point" row connector locks channel together for straighter and faster rows mounting; included as standard.

FINISH — High-gloss, baked white enamel finish (white standard). Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Other channel paint finish options: black (MB), smoke gray (SKGY) and galvanized (GALV).

OPTICAL — Reflector options include solid designs in both symmetric and asymmetric configurations. Consult factory for different-apertured versions.

ELECTRICAL SYSTEM — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed.

Suitable for damp locations. AWN, TFN or THHN wire used throughout, rated for required temperatures.

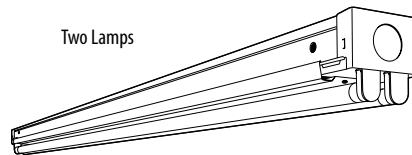
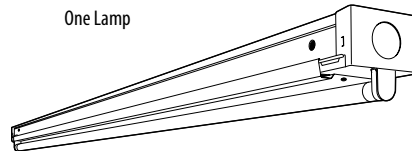
INSTALLATION — Patent-pending "three-point" row connector locks channels together for straighter and faster rows mounting; included as standard. Ideal for surface-mount or suspended.

LISTING — UL Listed, CUL Listed or CSA Certified to Canadian Standards.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

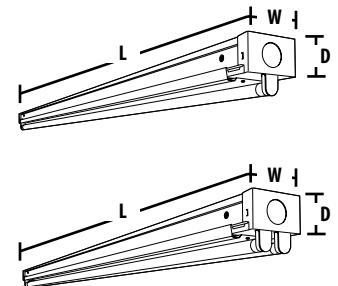
Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.



Specifications	
Length:	18 (45.7), 24 (61.0) 36 (91.4), 48 (121.9) 72 (182.9) or 96 (243.8)
Width:	2-1/8 (5.4)
Depth:	1-1/2 (3.8)

All dimensions are inches (millimeters).



ORDERING INFORMATION

For shortest lead times, configure products using **standard options (shown in bold)**.

Example: Z 1 54T5HO Z5SMR46 MVOLT GEB10PS

Series	Number of Lamps	Lamp Type	Configuration	Paint Finish	Reflector Type	Voltage
Z Compact T5 For tandem double-length unit, add prefix T. Example: TZ	1	14T5 14W T5 (22")	(blank) No reflector	(blank) White	(blank) Solid	MVOLT²
	2	21T5 21W T5 (34")	Z5ASMR46 46" asymmetric reflector	MB Matt black		120
	Not included	24T5HO 32W T8 (48")	Z5SMR46 46" symmetric reflector	GALV Galvanized		277
		28T5 28W T5 (46")	Other lengths available. See Accessories.	SKGY Smoke gray		347 ¹
		39T5HO 39W T5 HO (34")				Others available
		54T5HO 54W T5 HO (46")				

Options			
GEB10PS	T5 electronic ballast, ≤10% THD, instant start	EL55	Emergency battery pack (nominal 390-700 lumens); consult factory for additional battery packs ^{2,3}
SS	0.95 ballast factor SIMPLY SM system ⁴	EL65	Emergency battery pack (nominal 725-1325 lumens)
SS115	1.15 ballast factor SIMPLY SM system ⁴	CSA	CSA Certified
PLF_	Plug-in wiring, specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)	NOM	NOM Certified
		NY	I.B.E.W. union made, NYC code compliant

Notes

- Only available with 28W and 54W.
- MVOLT (120-277V), 50-60HZ.
- Specify voltage.
- SIMPLYSM system includes a 13' S5SSC RELOC[®] wiring system. Specify voltage unless hardwire (HW) or PWS is ordered.
- Available with 3', 4' and 8' lengths only.
- 120-277V only for power feed.
- Standard wire size for power feed is 18 gauge. For 12 gauge add 12AWG to the end of catalog number. Consult factory for length of runs and required wire size.
- 347V only.
- One cable per package.

Accessories: Order as separate catalog number.					
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")	Z5SMR34	Symmetric reflector, 34" white	WGZ5SMR46	46" wireguard, white, for symmetric reflector
ZSPRG J2	Tong and T-grid hanger, for 15/16" T-grid (1 pair)	Z5ASR34	Asymmetric reflector, 34" white	WGZ5ASR46	46" wireguard, white, for asymmetric reflector
Z5SMR46	Symmetric reflector, 46" white	Z5SMR22	Symmetric reflector, 22" white	MSSACF_	Adjustable aircraft cable system with power feed (specify length as 36, 72 or 108 inches) ⁹
Z5ASR46	Asymmetric reflector, 46" white	Z5ASR22	Asymmetric reflector, 22" white	MSSAC_	Adjustable aircraft cable system (specify 36, 72 or 108 inches) ⁹
		WGZ46	46" wireguard, white		

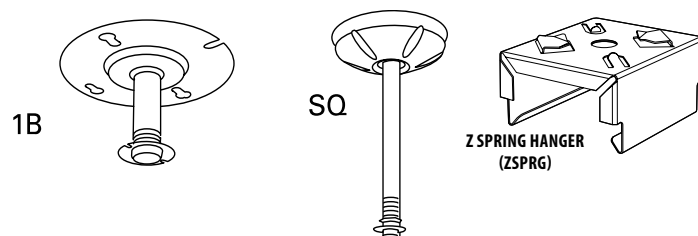
Z T5 Compact Striplight

MOUNTING DATA

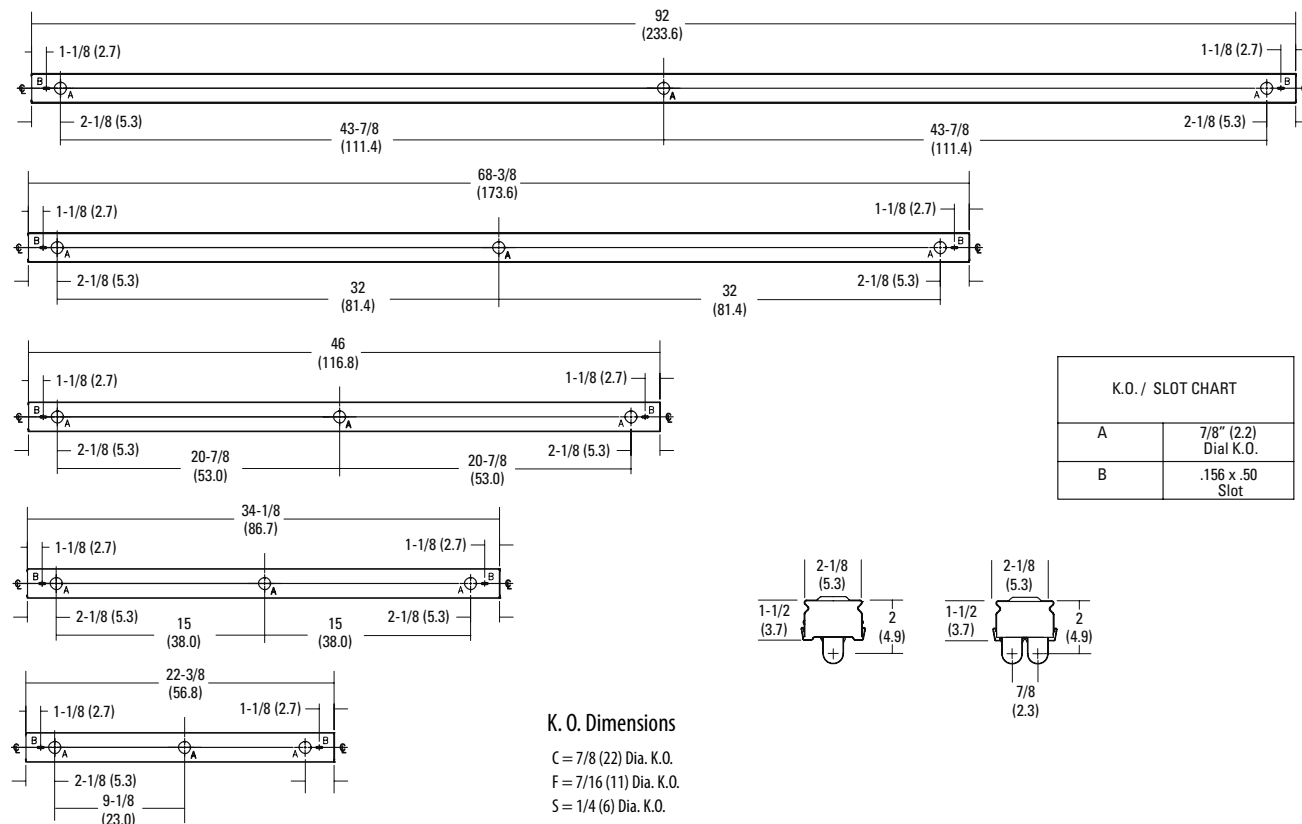
For unit or row installation, surface or stem mounting.

Unit installation — Minimum of two hangers required.

Row installation — One hanger per channel plus one per row required. Hanging devices illustrated.



DIMENSIONS



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

TEST NO: LTL17092
LUMINAIRE CATALOG NO.: Z 1 54T5HO MVOLT GEB10PS
LUMENS PER LAMP: 4450

Coefficients of Utilization												
50%			80%			70%			50%			
50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pc	pw		pc	pw		pc	pw		pc	pw		
102	102	102	109	109	109	106	106	106	99	99	99	
83	79	75	1	92	87	83	89	85	81	84	80	77
70	64	59	2	79	72	66	76	70	64	72	66	61
61	54	48	3	68	60	53	66	59	52	62	56	50
53	46	40	4	60	51	44	58	50	44	55	48	42
47	40	34	5	53	44	38	52	43	37	49	41	36
42	35	29	6	48	39	32	46	38	32	44	36	31
38	31	25	7	43	34	28	42	34	28	40	32	27
35	28	22	8	39	31	25	38	30	25	36	29	24
32	25	20	9	36	28	22	35	27	22	33	26	21
30	23	18	10	33	25	20	32	25	20	30	24	19

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	809.8	18.2	19.5
0° - 40°	1366.0	30.7	32.9
0° - 60°	2625.8	59.0	63.2
0° - 90°	3806.5	85.5	91.6
90° - 180°	347.8	7.8	8.4
0° - 180°	4154.3	93.4	100.0

TEST NO: LTL17070
LUMINAIRE CATALOG NO.: Z 2 54T5HO MVOLT GEB10PS
LUMENS PER LAMP: 4450

Coefficients of Utilization												
50%			80%			70%			50%			
50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pc	pw		pc	pw		pc	pw		pc	pw		
119	119	119	115	115	115	106	106	106	99	99	99	
99	93	88	95	90	85	88	84	80	81	76	69	61
84	76	69	81	73	67	75	68	63	64	57	51	
73	63	56	70	61	54	64	57	51	56	49	42	
64	54	46	61	52	45	56	49	42	54	45	38	
56	46	39	54	45	38	50	42	36	48	39	32	
50	40	33	48	39	32	45	37	31	44	35	28	
45	36	29	44	35	28	40	33	27	37	29	24	
41	32	25	39	31	25	36	28	22	34	26	21	
37	28	22	36	28	22	33	25	20	31	24	19	
34	26	20	33	25	20	30	24	19				

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1451.4	16.3	15.8
0° - 40°	2517.9	28.3	27.4
0° - 60°	5023.5	56.4	54.7
0° - 90°	7793.5	87.6	84.8
90° - 180°	1392.3	15.6	15.2
0° - 180°	9185.9	103.2	100.0