



TMU140055CL8TWH



44" 6-CCT SELECTABLE LINEARHO DC MODULE, 1400mA MAX CURRENT

- 27K/30K/35K/40K/45K/50K 6-CCT Selectable
- Extruded Aluminum material for thermal management
- Magnets pre-mounted, for ease of installation
- High lumen, high efficacy, suitable for DLC 6.0
- Accessories: Diffused lens and End-Caps available
- For use in UL Class 2 lighting systems
- Suitable for DLC applications: L70>60,000hrs / L90>60,000hrs
- Meets UL8750 recognized
- RoHS compliant
- The module is supplied by short circuit proof SELV controlgear

General Specifications

	2700K/80CRI	3000K/80CRI	3500K/80CRI	4000K/80CRI	4500K/80CRI	5000K/80CRI
Input Voltage ^①	35.2VDC	35.2VDC	35.2VDC	35.2VDC	35.2VDC	35.2VDC
Input Current ^①	1400mA(Max.)	1400mA(Max.)	1400mA(Max.)	1400mA(Max.)	1400mA(Max.)	1400mA(Max.)
Input Power ^①	49.2W	49.2W	49.2W	49.2W	49.2W	49.2W
Initial Lumens	8,045 lumens	8,276 lumens	8,507 lumens	8,729 lumens	8,905 lumens	9,050 lumens
Initial Lm/W	163 lm/W	168 lm/W	173 lm/W	177 lm/W	181 lm/W	184 lm/W
Beam Angle	120°					
CRI	80CRI Standard; 90CRI Optional					
Storage Temperature Range	-40°C to 100°C / -40°F to 212°F					
Operating Temperature Range (ta)	-40°C to 55°C / -40°F to 131°F					
Maximum Case Temperature (Tc)	L70: Tc max 105°C/ L90: Tc max 105°C					
Estimated Lumen Maintenance ^②	L70: >60,000Hrs / L90: >60,000Hrs					
Color Consistency	Binning per ANSI C78.377-2015 @ 25°C; 3 SDCM Typ.; 6 SDCM Max.					
Overall Size	44" x 1.73" x 0.453" (1120mm x 44mm x 11.5mm)					
PCB Material / Thermal Conductivity	FR4 1.0W/mK					
Extruded Material / Finish	Aluminum/surface treatment with Anodic Oxidation					
LED Quantity	108pcs CW + 108pcs WW					
Module Weight	220g / 0.48lb.					
PCB Part Number	PTL100C01M1					
Magnets Quantity / Magnetic Force	3 / 2N (.45lbf) per magnet					
Maximum Screw Installation Torque	25 inch - ounces					
Connector Type	WAGO #744-392 (2 pin connector)					
Packaging: Master Carton	20pcs.					
Thermal Feedback	Not Available					
Safety/Compliance	cURus (File # E351548) Suitable for UL Class 2 Lighting Systems RoHS Compliant Dry and Damp Location CE (IEC 62031: 2008. AMD1: 2012, AMD2: 2014) SELV					
Energy Efficiency Label (EEI-Label)	C					
Warranty	5 years @ Max. Tc from the date of manufacture					

^①Nominal ratings. Performance based on Tc mod = 25°C. See thermal de-rating chart (pg. 5) for higher temperature operation.

^②TM-21 Reported Numbers



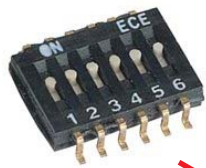
TMU140055CL8TWH



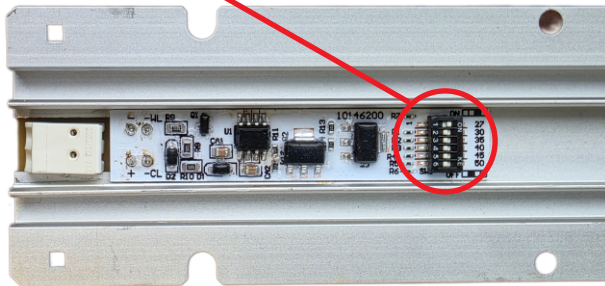
CCT Selection Indication

1. The VividHorse LinearHO DC Module is a dual-channel LED product that allows for CCT selection via a dip switch on the PCB. Available CCTs include 2700K, 3000K, 3500K, 4000K, 4500K and 5000K.
2. A pre-set CCT will come from the factory. Check the product label or packaging to see the pre-set level.
3. Change the CCT dip switch to set the desired CCT level.

NOTE: This is a Field Adjustable Color Temperature (FACT) product that enables the user to make adjustments to the Correlated Color Temperature (CCT) at the time of installation. Field adjustable parameters are not intended to be changed in the normal course of luminaire operation.



CCT Selection Dip Switch



CCT Indication Table

	1	2	3	4	5	6
2700K	ON	OFF	OFF	OFF	OFF	OFF
3000K	OFF	ON	OFF	OFF	OFF	OFF
3500K	OFF	OFF	ON	OFF	OFF	OFF
4000K	OFF	OFF	OFF	ON	OFF	OFF
4500K	OFF	OFF	OFF	OFF	ON	OFF
5000K	OFF	OFF	OFF	OFF	OFF	ON

2700K

3000K

3500K

4000K

4500K

5000K



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Electrical and Optical Specifications

2700K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @2700K/80 CRI	Nom. Efficacy @2700K/80 CRI	Nom. Lum. Flux per foot @2700K/80CRI	Nom. Lum. Flux per string @2700K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1190 lm	188 lm/W	325 lm/ft	132 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1490 lm	187 lm/W	406 lm/ft	166 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	1789 lm	186 lm/W	488 lm/ft	199 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2087 lm	185 lm/W	569 lm/ft	232 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2384 lm	184 lm/W	650 lm/ft	265 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	2680 lm	183 lm/W	731 lm/ft	298 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	2975 lm	182 lm/W	811 lm/ft	331 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3268 lm	181 lm/W	891 lm/ft	363 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	3561 lm	180 lm/W	971 lm/ft	396 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	3852 lm	178 lm/W	1050 lm/ft	428 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4142 lm	177 lm/W	1130 lm/ft	460 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4430 lm	176 lm/W	1208 lm/ft	492 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	4717 lm	175 lm/W	1287 lm/ft	524 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5003 lm	174 lm/W	1365 lm/ft	556 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5288 lm	173 lm/W	1442 lm/ft	588 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	5571 lm	172 lm/W	1519 lm/ft	619 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	5852 lm	171 lm/W	1596 lm/ft	650 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6132 lm	170 lm/W	1672 lm/ft	681 lm/string
1100 mA	34.4 V	37.8 W	37 V	41 W	6410 lm	169 lm/W	1748 lm/ft	712 lm/string		
1150 mA	34.5 V	39.7 W	37 V	43 W	6687 lm	169 lm/W	1824 lm/ft	743 lm/string		
1200 mA	34.6 V	41.6 W	37 V	44 W	6962 lm	168 lm/W	1899 lm/ft	774 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	7235 lm	167 lm/W	1973 lm/ft	804 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	7507 lm	166 lm/W	2047 lm/ft	834 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	7777 lm	164 lm/W	2121 lm/ft	864 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	8045 lm	163 lm/W	2194 lm/ft	894 lm/string		

3000K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @3000K/80 CRI	Nom. Efficacy @3000K/80 CRI	Nom. Lum. Flux per foot @3000K/80CRI	Nom. Lum. Flux per string @3000K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1225 lm	193 lm/W	334 lm/ft	136 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1533 lm	192 lm/W	418 lm/ft	170 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	1841 lm	191 lm/W	502 lm/ft	205 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2147 lm	190 lm/W	586 lm/ft	239 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2453 lm	189 lm/W	669 lm/ft	273 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	2757 lm	188 lm/W	752 lm/ft	306 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	3060 lm	187 lm/W	835 lm/ft	340 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3362 lm	186 lm/W	917 lm/ft	374 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	3663 lm	185 lm/W	999 lm/ft	407 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	3962 lm	184 lm/W	1081 lm/ft	440 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4261 lm	183 lm/W	1162 lm/ft	473 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4558 lm	181 lm/W	1243 lm/ft	506 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	4853 lm	180 lm/W	1324 lm/ft	539 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5147 lm	179 lm/W	1404 lm/ft	572 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5440 lm	178 lm/W	1484 lm/ft	604 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	5731 lm	177 lm/W	1563 lm/ft	637 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	6020 lm	176 lm/W	1642 lm/ft	669 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6308 lm	175 lm/W	1720 lm/ft	701 lm/string
1100 mA	34.4 V	37.8 W	37 V	41 W	6595 lm	174 lm/W	1799 lm/ft	733 lm/string		
1150 mA	34.5 V	39.7 W	37 V	43 W	6879 lm	173 lm/W	1876 lm/ft	764 lm/string		
1200 mA	34.6 V	41.6 W	37 V	44 W	7162 lm	172 lm/W	1953 lm/ft	796 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	7443 lm	171 lm/W	2030 lm/ft	827 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	7723 lm	170 lm/W	2106 lm/ft	858 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	8000 lm	169 lm/W	2182 lm/ft	889 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	8276 lm	168 lm/W	2257 lm/ft	920 lm/string		



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Electrical and Optical Specifications

3500K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @3500K/80 CRI	Nom. Efficacy @3500K/80 CRI	Nom. Lum. Flux per foot @3500K/80CRI	Nom. Lum. Flux per string @3500K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1259 lm	199 lm/W	343 lm/ft	140 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1576 lm	198 lm/W	430 lm/ft	175 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	1892 lm	197 lm/W	516 lm/ft	210 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2207 lm	196 lm/W	602 lm/ft	245 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2521 lm	194 lm/W	688 lm/ft	280 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	2834 lm	193 lm/W	773 lm/ft	315 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	3146 lm	192 lm/W	858 lm/ft	350 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3456 lm	191 lm/W	943 lm/ft	384 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	3765 lm	190 lm/W	1027 lm/ft	418 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	4073 lm	189 lm/W	1111 lm/ft	453 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4380 lm	188 lm/W	1194 lm/ft	487 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4685 lm	187 lm/W	1278 lm/ft	521 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	4989 lm	185 lm/W	1361 lm/ft	554 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5291 lm	184 lm/W	1443 lm/ft	588 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5592 lm	183 lm/W	1525 lm/ft	621 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	5891 lm	182 lm/W	1607 lm/ft	655 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	6189 lm	181 lm/W	1688 lm/ft	688 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6485 lm	180 lm/W	1769 lm/ft	721 lm/string
		1100 mA	34.4 V	37.8 W	37 V	41 W	6779 lm	179 lm/W	1849 lm/ft	753 lm/string
		1150 mA	34.5 V	39.7 W	37 V	43 W	7071 lm	178 lm/W	1929 lm/ft	786 lm/string
1200 mA	34.6 V	41.6 W	37 V	44 W	7362 lm	177 lm/W	2008 lm/ft	818 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	7651 lm	176 lm/W	2087 lm/ft	850 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	7939 lm	175 lm/W	2165 lm/ft	882 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	8224 lm	174 lm/W	2243 lm/ft	914 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	8507 lm	173 lm/W	2320 lm/ft	945 lm/string		

4000K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @4000K/80 CRI	Nom. Efficacy @4000K/80 CRI	Nom. Lum. Flux per foot @4000K/80CRI	Nom. Lum. Flux per string @4000K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1292 lm	204 lm/W	352 lm/ft	144 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1617 lm	203 lm/W	441 lm/ft	180 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	1941 lm	202 lm/W	529 lm/ft	216 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2265 lm	201 lm/W	618 lm/ft	252 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2587 lm	200 lm/W	705 lm/ft	287 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	2908 lm	198 lm/W	793 lm/ft	323 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	3227 lm	197 lm/W	880 lm/ft	359 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3546 lm	196 lm/W	967 lm/ft	394 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	3863 lm	195 lm/W	1054 lm/ft	429 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	4179 lm	194 lm/W	1140 lm/ft	464 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4494 lm	193 lm/W	1226 lm/ft	499 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4807 lm	191 lm/W	1311 lm/ft	534 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	5118 lm	190 lm/W	1396 lm/ft	569 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5429 lm	189 lm/W	1481 lm/ft	603 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5737 lm	188 lm/W	1565 lm/ft	637 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	6044 lm	187 lm/W	1648 lm/ft	672 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	6349 lm	186 lm/W	1732 lm/ft	705 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6653 lm	185 lm/W	1814 lm/ft	739 lm/string
		1100 mA	34.4 V	37.8 W	37 V	41 W	6955 lm	184 lm/W	1897 lm/ft	773 lm/string
		1150 mA	34.5 V	39.7 W	37 V	43 W	7255 lm	183 lm/W	1979 lm/ft	806 lm/string
1200 mA	34.6 V	41.6 W	37 V	44 W	7554 lm	182 lm/W	2060 lm/ft	839 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	7850 lm	181 lm/W	2141 lm/ft	872 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	8145 lm	180 lm/W	2221 lm/ft	905 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	8438 lm	178 lm/W	2301 lm/ft	938 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	8729 lm	177 lm/W	2381 lm/ft	970 lm/string		



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Electrical and Optical Specifications

4500K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @4500K/80 CRI	Nom. Efficacy @4500K/80 CRI	Nom. Lum. Flux per foot @4500K/80CRI	Nom. Lum. Flux per string @4500K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1318 lm	208 lm/W	359 lm/ft	146 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1650 lm	207 lm/W	450 lm/ft	183 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	1980 lm	206 lm/W	540 lm/ft	220 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2310 lm	205 lm/W	630 lm/ft	257 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2639 lm	204 lm/W	720 lm/ft	293 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	2966 lm	202 lm/W	809 lm/ft	330 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	3293 lm	201 lm/W	898 lm/ft	366 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3617 lm	200 lm/W	987 lm/ft	402 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	3941 lm	199 lm/W	1075 lm/ft	438 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	4263 lm	198 lm/W	1163 lm/ft	474 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4584 lm	196 lm/W	1250 lm/ft	509 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4904 lm	195 lm/W	1337 lm/ft	545 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	5222 lm	194 lm/W	1424 lm/ft	580 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5538 lm	193 lm/W	1510 lm/ft	615 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5853 lm	192 lm/W	1596 lm/ft	650 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	6166 lm	191 lm/W	1682 lm/ft	685 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	6477 lm	190 lm/W	1767 lm/ft	720 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6787 lm	189 lm/W	1851 lm/ft	754 lm/string
		1100 mA	34.4 V	37.8 W	37 V	41 W	7095 lm	188 lm/W	1935 lm/ft	788 lm/string
		1150 mA	34.5 V	39.7 W	37 V	43 W	7402 lm	187 lm/W	2019 lm/ft	822 lm/string
1200 mA	34.6 V	41.6 W	37 V	44 W	7706 lm	185 lm/W	2102 lm/ft	856 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	8009 lm	184 lm/W	2184 lm/ft	890 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	8309 lm	183 lm/W	2266 lm/ft	923 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	8608 lm	182 lm/W	2348 lm/ft	956 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	8905 lm	181 lm/W	2429 lm/ft	989 lm/string		

5000K CCT

LED Module Part Number	Number of LED	Input Current	Nom. Forward Voltage	Nom. Rated Power	Max. Fwd. Voltage	Max. Rated Power	Nom. Lum. Flux @5000K/80 CRI	Nom. Efficacy @5000K/80 CRI	Nom. Lum. Flux per foot @5000K/80CRI	Nom. Lum. Flux per string @5000K/80CRI
TMU140055CL8TWH (44")	108+108	200 mA	31.7 V	6.3 W	34 V	7 W	1339 lm	212 lm/W	365 lm/ft	149 lm/string
		250 mA	31.9 V	8.0 W	34 V	9 W	1677 lm	211 lm/W	457 lm/ft	186 lm/string
		300 mA	32.1 V	9.6 W	34 V	10 W	2013 lm	209 lm/W	549 lm/ft	224 lm/string
		350 mA	32.2 V	11.3 W	34 V	12 W	2348 lm	208 lm/W	640 lm/ft	261 lm/string
		400 mA	32.4 V	13.0 W	35 V	14 W	2682 lm	207 lm/W	731 lm/ft	298 lm/string
		450 mA	32.6 V	14.7 W	35 V	16 W	3015 lm	206 lm/W	822 lm/ft	335 lm/string
		500 mA	32.7 V	16.4 W	35 V	18 W	3346 lm	204 lm/W	913 lm/ft	372 lm/string
		550 mA	32.9 V	18.1 W	35 V	19 W	3677 lm	203 lm/W	1003 lm/ft	409 lm/string
		600 mA	33.1 V	19.8 W	35 V	21 W	4006 lm	202 lm/W	1092 lm/ft	445 lm/string
		650 mA	33.2 V	21.6 W	36 V	23 W	4333 lm	201 lm/W	1182 lm/ft	481 lm/string
		700 mA	33.3 V	23.3 W	36 V	25 W	4659 lm	200 lm/W	1271 lm/ft	518 lm/string
		750 mA	33.5 V	25.1 W	36 V	27 W	4984 lm	198 lm/W	1359 lm/ft	554 lm/string
		800 mA	33.6 V	26.9 W	36 V	29 W	5307 lm	197 lm/W	1447 lm/ft	590 lm/string
		850 mA	33.7 V	28.7 W	36 V	31 W	5629 lm	196 lm/W	1535 lm/ft	625 lm/string
		900 mA	33.9 V	30.5 W	36 V	32 W	5949 lm	195 lm/W	1622 lm/ft	661 lm/string
		950 mA	34.0 V	32.3 W	36 V	34 W	6267 lm	194 lm/W	1709 lm/ft	696 lm/string
		1000 mA	34.1 V	34.1 W	37 V	37 W	6584 lm	193 lm/W	1796 lm/ft	732 lm/string
		1050 mA	34.3 V	36.0 W	37 V	39 W	6898 lm	192 lm/W	1881 lm/ft	766 lm/string
		1100 mA	34.4 V	37.8 W	37 V	41 W	7212 lm	191 lm/W	1967 lm/ft	801 lm/string
		1150 mA	34.5 V	39.7 W	37 V	43 W	7523 lm	190 lm/W	2052 lm/ft	836 lm/string
1200 mA	34.6 V	41.6 W	37 V	44 W	7832 lm	188 lm/W	2136 lm/ft	870 lm/string		
1250 mA	34.8 V	43.5 W	37 V	46 W	8140 lm	187 lm/W	2220 lm/ft	904 lm/string		
1300 mA	34.9 V	45.4 W	37 V	48 W	8445 lm	186 lm/W	2303 lm/ft	938 lm/string		
1350 mA	35.0 V	47.3 W	37 V	50 W	8749 lm	185 lm/W	2386 lm/ft	972 lm/string		
1400 mA*	35.2 V	49.2 W	38 V	53 W	9050 lm	184 lm/W	2468 lm/ft	1006 lm/string		



TMU140055CL8TWH



Thermal Specifications

LinearHO Module

Storage Temperature Range	-40 to +100°C / -40 to +212°F
Operating Ambient Temperature Range (ta)	-40 to 55°C / -40 to 131°F
Maximum Case Temperature (Tc)	L70 = 105°C (221°F) / L90 = 105°C (221°F)

Thermal De-Rating:

Tc vs. Luminous Flux vs. Forward Voltage

Module Case Temperature (Tc)	Total Vf Multiplier	Luminous Flux Multiplier
25°C	1.000	1.000
30°C	0.998	0.995
35°C	0.996	0.990
40°C	0.994	0.985
45°C	0.992	0.979
50°C	0.990	0.974
55°C	0.988	0.968
60°C	0.986	0.962
65°C	0.985	0.956
70°C	0.983	0.950
75°C	0.981	0.944
80°C	0.979	0.938
85°C	0.977	0.931
90°C	0.975	0.925
95°C	0.974	0.918
100°C	0.972	0.911
105°C	0.970	0.904

Luminous Flux De-Rating: CRI Multipliers

CRI 80(R9> 0)	1.00
CRI 90(R9>50)	0.85

NOTES:

- 1) Performance based on Tc mod = 25°C. See thermal de-rating chart (pg. 6) for higher temperature operation
- 2) Standard lumen output and efficacy is calculated for standard options. Reference CCT & CRI vs Luminous Flux chart for lumen ratio calculation.
- 3) Specifications are subject to change without notice.
- 4) The LED DC Module can be configure with different LED chip quantities, series and parallel design configurations to meet a specific design requirement. Contact Fulham for further assistance.
- 5) * Indicates maximum rated current. Modules may be operated at a current less than or equal to this value, below the Tc rating.
- 6) 70CRI is NOT available.



TMU140055CL8TWH



Certification Chart

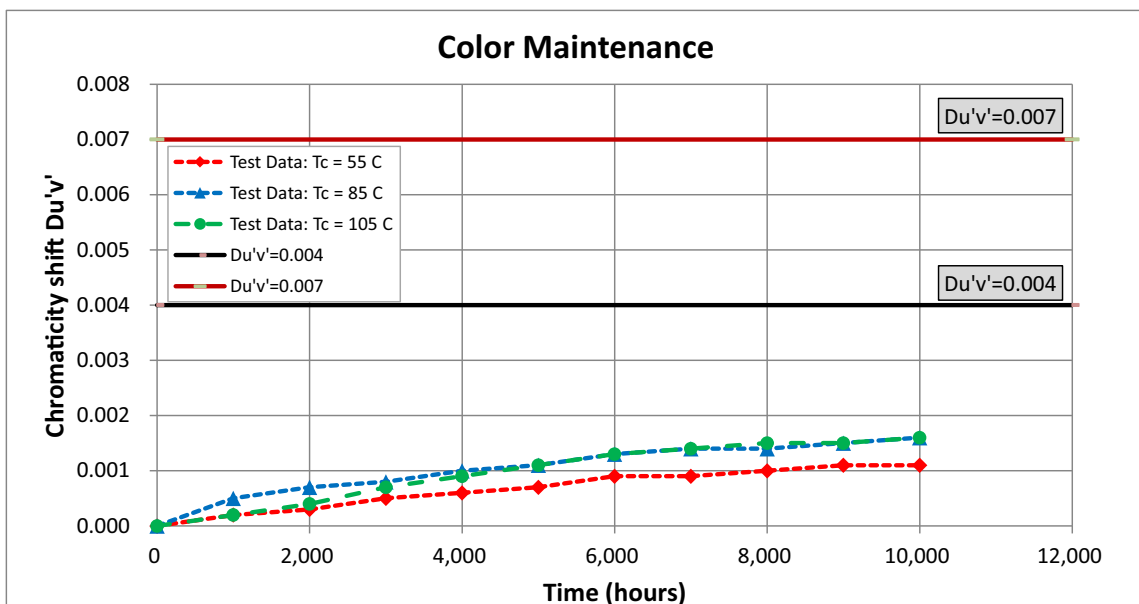
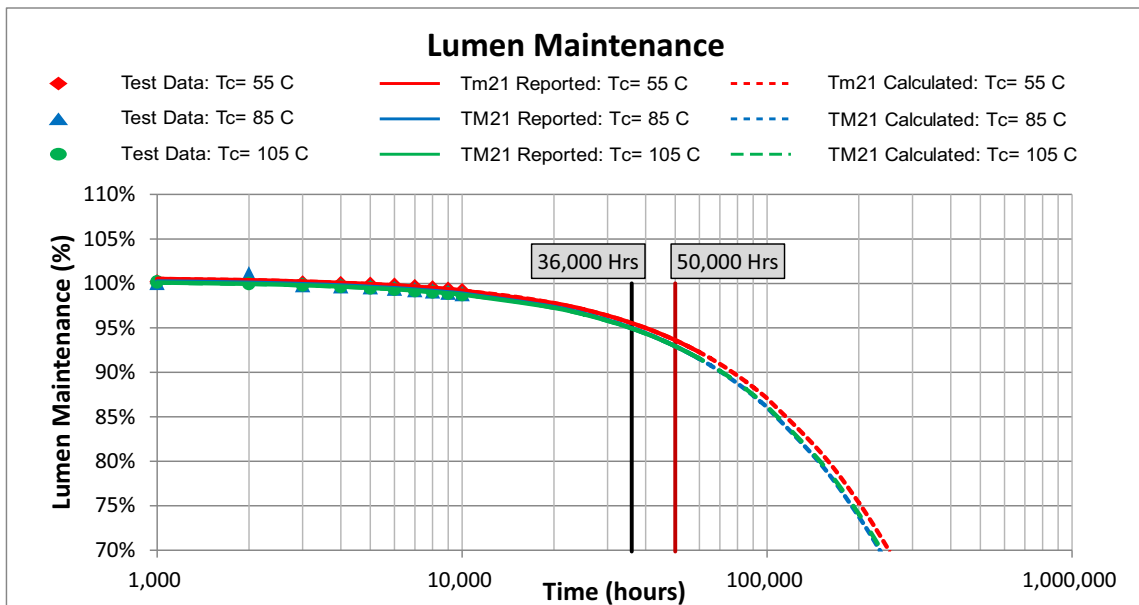
Classification	Model	TMU140055CL8TWH
		YES
		YES
		YES
Energy Efficiency Label (EEI-Label)		C
Suitable for UL Class 2 Lighting System		YES

Energy Star™ TM-21 Calculator Data

Tc Module	Reported L70	Reported L90
55°C	>60,000 Hrs	>60,000 Hrs
85°C	>60,000 Hrs	>60,000 Hrs
105°C	>60,000 Hrs	>60,000 Hrs

Tc Module	Calculated L70	Calculated L90
55°C	250,000 Hrs	77,000 Hrs
85°C	234,000 Hrs	70,000 Hrs
105°C	237,000 Hrs	71,000 Hrs

LED Lumen & Color Maintenance Data per LM-80 report and TM-21 Calculator



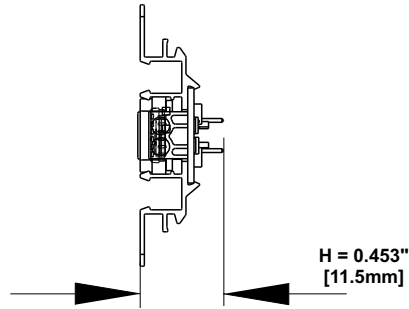


TMU140055CL8TWH



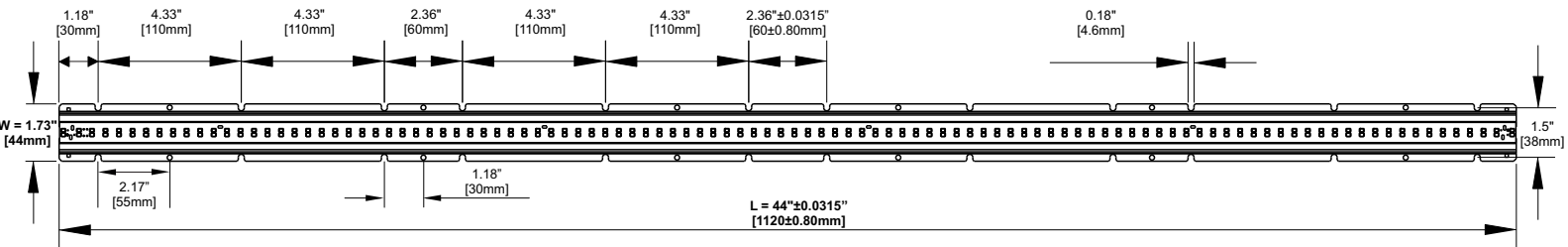
Mechanical Drawings

44"
[1120mm]

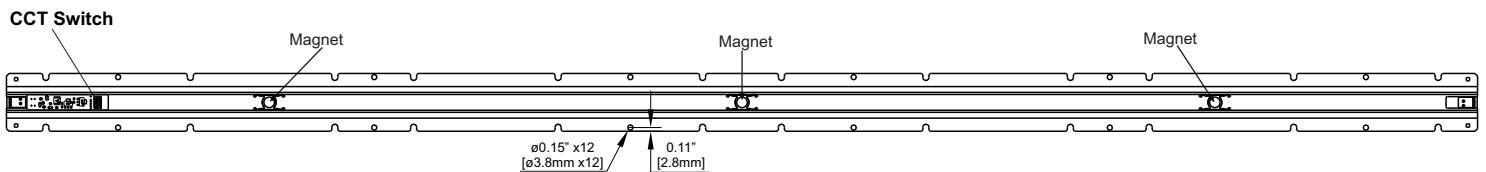


SIDE VIEW

Overall Dimensions	
Length	44" [1120mm]
Width	1.73" [44mm]
Height	0.453" [11.5mm]



TOP VIEW



BOTTOM VIEW

Unmarked General Tolerance
 <4" [100mm]: ±0.0138" [±0.35mm]
 4"~11.8" [100~300mm]: ±0.0197" [±0.5mm]
 >11.8" [300mm]: ±0.0236" [±0.6mm]
 HOLES: ±0.002" [±0.05mm]



TMU140055CL8TWH

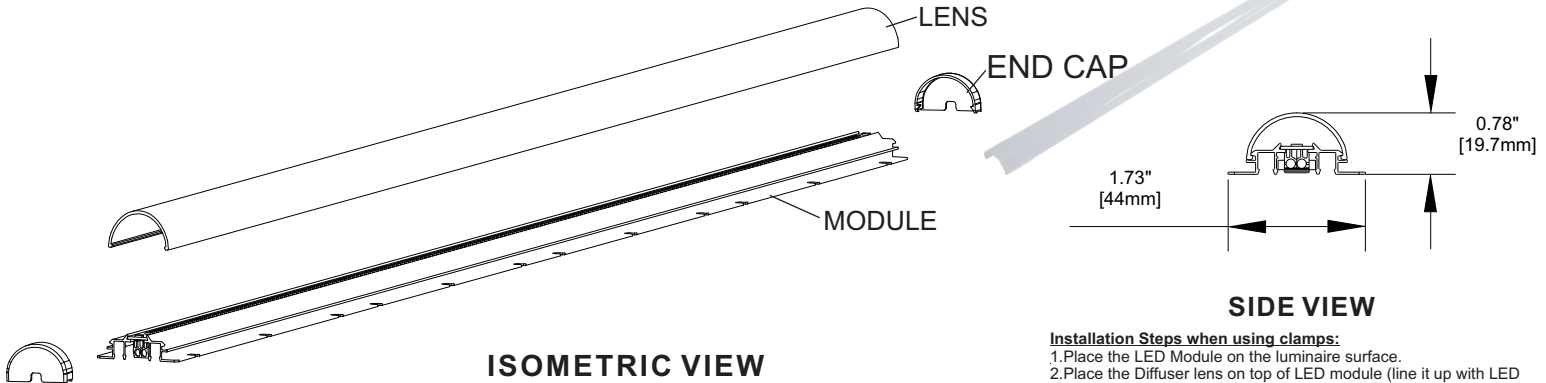


Accessories

44" Diffuser Lens

Fulham Part Number: **TLE-OPT-120-013**

- White polycarbonate diffuser lens - 82% transmissivity at nominally rated currents.

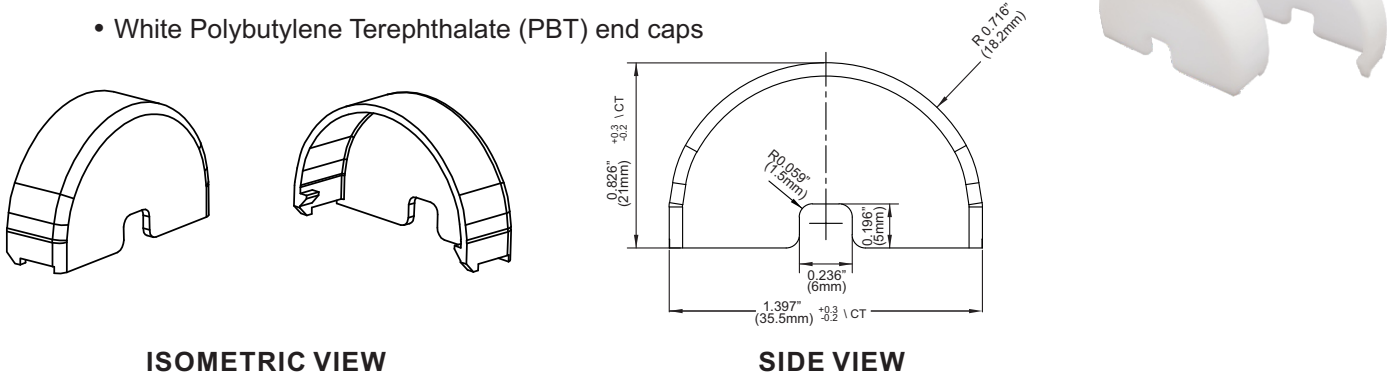


Installation Steps when using clamps:
 1. Place the LED Module on the luminaire surface.
 2. Place the Diffuser lens on top of LED module (line it up with LED module mounting edges).
 3. Push down to snap into place.

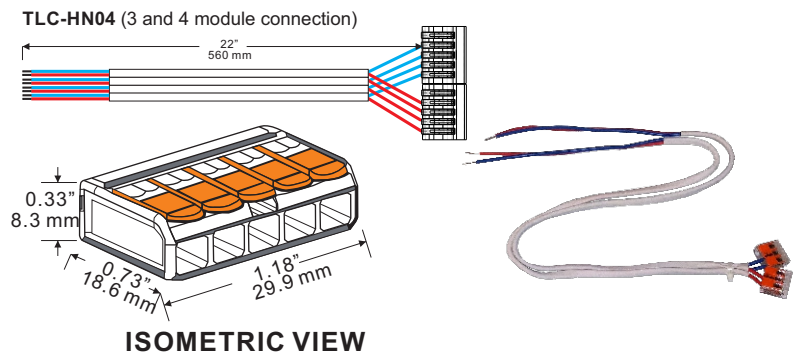
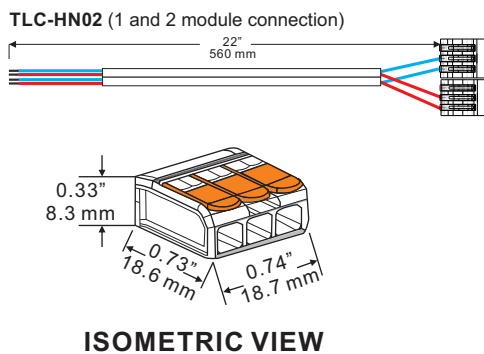
End Caps

Fulham Part Number: **TLE-OPT-120-020**

- White Polybutylene Terephthalate (PBT) end caps

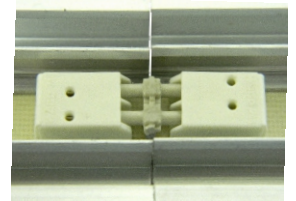


Harness



Interconnects

- Interconnect Type: WAGO Double pins to interconnect Modules (#2060-952/028-000)
- Approvals: cURus, UL 1977, and RoHS Compliant



BOTTOM VIEW

NOTES:

- 1) Interconnects are NOT sold by Fulham.
- 2) Do not connect LinearHO Modules in parallel (end to end) if the current exceeds the maximum module rated current. This type of wiring would cause the pass-through current on the first module to exceed the rated current. This setup is in reference to wiring diagram #2 per Fulham's wiring diagram (see link on page #8). If the current is higher than the rated max, it is recommended to use wiring diagram #3.

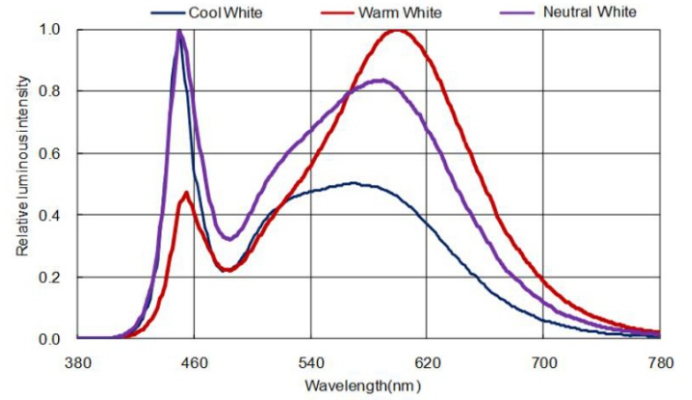
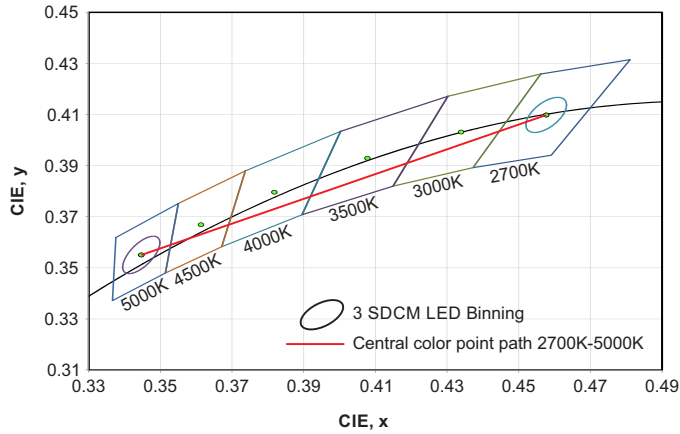


TMU140055CL8TWH



Color and Binning

Optical Spectrum



NOTES:

- 1) The Color and Binning and Optical Spectrum charts are for reference only. For more detailed info, contact factory.
- 2) Reference LED Chromaticity Diagram for Color and Binning. Binning per ANSI C78.377-2015 @ 25°C; 3 SDCM.
- 3) The Optical Spectrum values vary depending on product type and color rank.



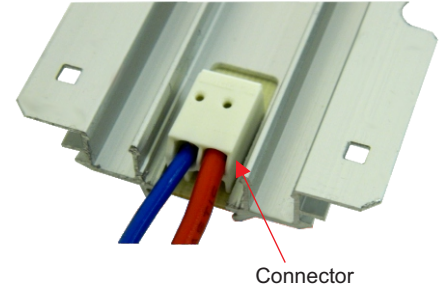
TMU140055CL8TWH



Guidelines

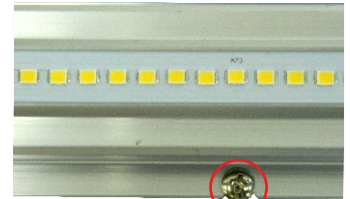
Termination Notes

- Connector Type: WAGO #744-392 (2 pin push wire connector)
 - AWG: 20...16 solid wire
 - Strip length: 8...9mm / 0.31...0.35in
 - Connector Max amp. rating: 6 Amps.



Fastening Notes

- If fastening by screw hole, use any screw with diameter less than 0.185 in (4.7mm). Use all available screw holes to ensure good contact between back side of module and mounting surface. Refer to max specified torque for installation. Suggested screw sizes: #6 or M4 Pan Head screw.
- If fastening using double-sided tape, start with clean, oil-free and dust-free surface. Peel backing and place LED module on mounting surface. Firmly press down on the module to ensure good adherence. Follow the double-side tape manufacturer's installation instructions.
- BJB P2F (Push-to-Fix) fixing elements for PCBs can be used to fasten LED modules to mounting surface. Reference BJB's website for ordering information and specific model to use: <http://www.bjb.com/index.php?pid=376706&lid=10>.



Environmental Rating / Conformal Coating

- The DC LinearHO Modules have been evaluated for use in dry or damp locations only. If used in wet locations, acceptability and the need for additional evaluation shall be determined in the end product.
- Fulham's LinearHO modules are available with conformal coating; made to order with MOQ and lead time will apply. The conformal coating is a silicone based material which is double sprayed on the module only (LEDs and PCB). Conformal coating is recommended for the following applications: near ocean where salt is present, constant moisture, refrigeration, continuously high humidity, or outdoor applications. An IP rating of IP64 or IP65 is achieved when the conformal coating is used, but other factors should be considered. Fulham still recommends the luminaire also meet an IP64/65 rating.

Electrostatic Sensitive Product (ESD)

- Fulham LED products should be handled with proper measures to protect against any potential ESD damage.
- When servicing, personnel should be ground and direct contact with LED should be avoided.

Thermal Management

- Proper thermal management should be employed to ensure life and reliability of product. Max Tc of module should not be exceeded.
- Use of thermal grease, paste, pad, or other material interface is highly recommended.

Polarity Notes

- DC Modules are polarity sensitive.
- Ensure that "positive" from LED Driver is connected to "positive" of LED modules and that "negative" from LED Driver is connected to "negative" of LED modules.
- Polarities of modules are marked with "+" for positive and "-" for negative.



TMU140055CL8TWH



Part Number Matrix

T M U 140 055 CL 8 TW H

<u>Type</u> M = Module (UL Class 2)	<u>Control Type</u> U = None	<u>Input Current</u> 140 = 1400mA Max.	<u>Max. Power</u> 055 = 55W	<u>Shape</u> CL=Linear	<u>CRI</u> ⊙8 = 80 9 = 90	<u>Color Temperature</u> TW = 2700-5000K Tunable White Selectable	<u>Option</u> H = High Efficacy ⊙K = Conformal Coating (MTO)
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⊙Standard Product offering (All other options are made to order with MOQ and lead time)
 ⊙See page #11 for Conformal Coating information. Made to order (MTO).

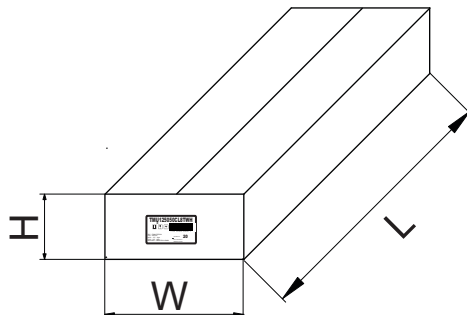
Product Image: LinearHO Module



TOP VIEW

Packaging

Master Carton



OUTER DIMENSION		
L	W	H
45.47"(1155mm)	10.63"(270mm)	4.33"(110mm)
Net Weight	Gross Weight	QUANTITY
10.58 lbs. (4.8kg)	13.34 lbs. (6.05kg)	20pc.