

Distance Legibility Chart

Many factors impact clear signage design visibility. ClearPath has compiled specifications for determining character distance legibility into the three charts below. The information provided below is only accurate when the character design has an acceptable contrast ratio compared to substrate. For example, black lettering on a primary yellow background will give the highest contrast ratio and clearest visibility.

character height	inches	mm	legible viewing distance	feet	meters	recommended character height for ClearPath profiles	insert profiles	flat profiles	box profiles
	5/16"	8		7'	2.13		-	-	-
1/2"	13	12'	3.66	TL15S	-	-	-	-	
3/4"	19	18'	5.49	TL31S	-	-	-	-	
1"	25	25'	7.62	-	TL31	-	-	-	
1-1/2"	38	36'	10.97	-	TL46	-	-	-	
1-3/4"	44	42'	12.80	-	-	TLB50	-	-	
2"	51	49'	14.94	TL62S	-	TLBCON	-	-	
2-1/4"	57	55'	16.76	-	TL62	-	-	-	
3"	76	74'	22.56	TL93S	-	-	-	-	
3-1/2"	89	93'	28.35	-	TL93	TLB100	-	-	
4"	102	113'	34.44	-	-	-	-	-	
4-1/4"	108	120'	36.58	TL124S	-	-	-	-	
4-3/4"	121	127'	38.71	-	TL124	-	-	-	
5-1/2"	140	136'	41.45	TL155S	TL155	TLB150	-	-	
6"	152	150'	45.72	-	-	-	-	-	
6-3/4"	171	188'	57.30	TL186S	TL186	TLB200	-	-	
8"	203	200'	60.96	TL217S	TL217	-	-	-	
9"	229	300'	91.44	-	TL248	TLB250	-	-	
12"	305	395'	120.40	-	-	-	-	-	
14"	356	440'	134.11	-	-	-	-	-	
18"	457	560'	170.69	-	-	-	-	-	
24"	610	750'	228.60	-	-	-	-	-	
36"	914	1130'	344.42	-	-	-	-	-	
48"	1219	1500'	457.20	-	-	-	-	-	
72"	1829	2230'	679.70	-	-	-	-	-	
96"	2438	3000'	914.40	-	-	-	-	-	

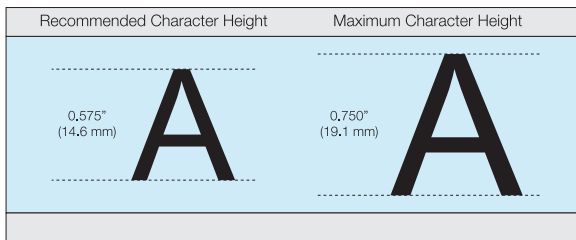


Diagram A: ClearPath Insert Profile
Scale: Actual Size

The recommended character height for ClearPath profiles is 5/8 of the total height. The chart above gives the *maximum* character height capable of fitting within the space on the profile.

Diagram A is a TL31S-S profile with a total height of 1.22" (31 mm). The left "A" shows the recommended 5/8 height proportion. The right "A" shows the maximum height we recommend using with our profiles.

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