

**Maximum allowable dead loads and deflections for given hanger arrays with no live load and one and two person live loads**

CLEANPAK Grid		Loading	Hanger Array														
			2'x4'			4'x4'			4'x8'			8'x8'			12'x8'		
			Max allow Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Max allow Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Max allow Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Max allow Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Max allow Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)
Flush with integrated lighting	Modular	Clean-Trak 2.6 TallBack Welded	DL				101	0.57	0.00	41.6	0.36	0.00	18.5	0.59	0.00		
		DL+1LL				73	0.52	0.11	34.7	0.42	0.12	13.9	0.60	0.16			
		DL+2LL				45	0.46	0.21	27.9	0.46	0.22						
		Clean-Trak 2.6 Regular Welded	DL				54	0.73	0.00	41.6	0.69	0.00	18.5	0.74	0.00		
		DL+1LL				27	0.63	0.27	27.0	0.72	0.27	13.9	0.87	0.31			
		DL+2LL															
	Stick-Built	Clean-Trak 2.6 TallBack Stick-Built	DL				29.3	0.16	0.00	14.6	0.12	0.00	9.8	0.31	0.00		
		DL+1LL					22.4	0.23	0.11	11.2	0.22	0.12	7.5	0.40	0.16		
		DL+2LL					15.5	0.29	0.20	9.8	0.29	0.21					
		Clean-Trak 2.6 Regular Stick Built	DL				29.3	0.40	0.00	14.6	0.24	0.00	9.8	0.39	0.00		
		DL+1LL					22.4	0.57	0.27	11.2	0.47	0.28	7.5	0.61	0.32		
		DL+2LL															
T-grid	Stick-Built	SealTrak	DL				18.8	0.04	0.00								
		DL+1LL				15	0.08	0.06									
		DL+2LL															
	SlimTrak	DL	27.8	0.04	0.00	14	0.08	0.00									
		DL+1LL															
		DL+2LL															
		2x3 T-Trak	DL				58.6	0.11	0.00	29.3	0.84	0.00					
			DL+1LL				44.8	0.12	0.06	22.4	0.96	0.32					
			DL+2LL				31.1	0.14	0.08	15.5	1.08	0.63					
		2x5 1/8 T-Trak	DL				58.6	0.03	0.00	29.3	0.22	0.00					
			DL+1LL				44.8	0.03	0.06	22.4	0.25	0.08					
			DL+2LL				31.1	0.04	0.06	15.5	0.28	0.16					

**NOTES**

- This document is intended for use as a general guide only. Cleanpak structural engineering must review the specifics of all jobs. Actual numbers as installed may vary due to field conditions.
- Allowable load and Typical load must include the self weight of the grid.
- Chart indicates maximum allowable loads. However, deflections should typically be limited to 0.27" on live load deflection and 0.55" on overall dead+live load deflection.

**Typical loading scenario: Deflections due to live loading at 15 psf dead load for given hanger arrays with one and two person live**

CLEANPAK Grid		Loading	Hanger Array														
			2'x4'			4'x4'			4'x8'			8'x8'			12'x8'		
			Typ Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Typ Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Typ Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Typ Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)	Typ Load (psf)	Defl due to dead + live load (in)	Defl due to live load only (in)
Flush with integrated lighting	Modular	Clean-Trak 2.6 TallBack Welded	DL				15	0.08	0.00	15	0.13	0.00	15	0.48	0.00		
		DL+1LL					15	0.19	0.11	15	0.25	0.12					
		DL+2LL					15	0.29	0.21	15	0.35	0.22					
		Clean-Trak 2.6 Regular Welded	DL				15	0.20	0.00	15	0.25	0.00	15	0.60	0.00		
		DL+1LL					15	0.47	0.27	15	0.52	0.27					
		DL+2LL															
	Stick-Built	Clean-Trak 2.6 TallBack Stick-Built	DL				15	0.08	0.00	15	0.13	0.00					
		DL+1LL					15	0.19	0.11	15	0.25	0.12					
		DL+2LL					15	0.29	0.21	15	0.35	0.22					
		Clean-Trak 2.6 Regular Stick Built	DL				15	0.20	0.00	15	0.25	0.00					
		DL+1LL					15	0.47	0.27	15	0.52	0.27					
		DL+2LL															
T-grid	Stick-Built	SealTrak	DL				15	0.03	0.00								
		DL+1LL				15	0.08	0.06									
		DL+2LL															
	SlimTrak	DL	15	0.06	0.00	14	0.08	0.00									
		DL+1LL															
		DL+2LL															
	2x3 T-Trak	DL				15	0.03	0.00	15	0.43	0.00						
		DL+1LL				15	0.07	0.06	15	0.75	0.32						
		DL+2LL				15	0.11	0.08	15	1.06	0.63						
2x5 1/8 T-Trak	DL				15	0.01	0.00	15	0.11	0.00							
	DL+1LL				15	0.02	0.06	15	0.19	0.08							
	DL+2LL				15	0.03	0.06	15	0.28	0.16							

**LEGEND**  
 DL = Dead load  
 DL+1LL = Dead load plus one 220 lb point live load  
 DL+2LL = Dead load plus two 220 lb point live loads  
 Defl = Live Load deflection at the associated Load \*

**LEGEND**  
 Not allowed  
 Preferred choices  
 Do not use except for special cases with high load requirements  
 Do not use except for special cases with very low load requirements