

TLFR-AA-LED / TLFR-SS-LED WITH 13% PERFORATED FACE - 2" FILTER

6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.306	0.376	0.448	0.524	0.602	0.767	0.854	0.944	1.132
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.243	0.299	0.359	0.421	0.487	0.625	0.698	0.775	0.936
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.117	0.147	0.180	0.215	0.251	0.333	0.377	0.423	0.522
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.224	0.272	0.321	0.372	0.423	0.529	0.584	0.640	0.755
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.099	0.121	0.144	0.168	0.192	0.244	0.271	0.298	0.357
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.078	0.097	0.114	0.134	0.154	0.197	0.219	0.243	0.292
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.214	0.243	0.271	0.306	0.336	0.368	0.437	0.470	0.593
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.169	0.191	0.214	0.242	0.266	0.292	0.347	0.374	0.474
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.206	0.233	0.259	0.291	0.318	0.347	0.409	0.438	0.547
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.161	0.181	0.201	0.227	0.248	0.271	0.319	0.343	0.428
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

PERFORMANCE NOTES

- Performance data includes initial resistance of optional HEPA-R Filter with 2" thick filter media
- Data obtained in accordance with ASHRAE Standard 70-2006
- NC Values are based on a room absorption of 10 dB
- NC levels less than 15 dB are shown as "-"
- All pressures are in inches of water

TLFR-AA-LED / TLFR-SS-LED WITH 23% PERFORATED FACE - 2" FILTER

6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.301	0.368	0.438	0.510	0.585	0.742	0.824	0.909	1.086
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.238	0.292	0.350	0.409	0.472	0.603	0.672	0.744	0.895
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.116	0.146	0.178	0.212	0.248	0.328	0.371	0.416	0.513
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.221	0.267	0.315	0.363	0.413	0.513	0.565	0.618	0.726
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.098	0.119	0.142	0.165	0.188	0.239	0.265	0.291	0.347
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.078	0.096	0.113	0.132	0.152	0.193	0.215	0.238	0.286
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.209	0.237	0.264	0.297	0.325	0.355	0.420	0.451	0.566
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.166	0.187	0.209	0.236	0.259	0.284	0.336	0.362	0.457
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.201	0.227	0.252	0.282	0.307	0.334	0.392	0.419	0.519
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.158	0.177	0.197	0.221	0.241	0.263	0.309	0.331	0.411
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

PERFORMANCE NOTES

- Performance data includes initial resistance of optional HEPA-R Filter with 2" thick filter media
- Data obtained in accordance with ASHRAE Standard 70-2006
- NC Values are based on a room absorption of 10 dB
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- All pressures are in inches of water

TLFR-AA-LED / TLFR-SS-LED WITH 33% PERFORATED FACE - 2" FILTER

6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.299	0.366	0.436	0.507	0.581	0.736	0.817	0.900	1.074
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.237	0.291	0.348	0.406	0.468	0.598	0.665	0.736	0.885
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.116	0.145	0.177	0.212	0.247	0.327	0.370	0.414	0.511
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.220	0.266	0.314	0.361	0.410	0.509	0.560	0.612	0.719
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.098	0.119	0.141	0.165	0.188	0.238	0.264	0.289	0.345
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.078	0.095	0.113	0.132	0.152	0.193	0.215	0.237	0.284
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.208	0.235	0.262	0.295	0.323	0.352	0.416	0.446	0.559
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.165	0.186	0.208	0.235	0.258	0.282	0.334	0.359	0.453
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.200	0.225	0.250	0.280	0.305	0.331	0.388	0.415	0.513
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.157	0.176	0.196	0.220	0.240	0.261	0.306	0.328	0.406
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

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TLFR-AA-LED / TLFR-SS-LED WITH 13% PERFORATED FACE

6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.036	0.052	0.070	0.092	0.116	0.173	0.206	0.242	0.322
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.035	0.050	0.068	0.089	0.113	0.168	0.200	0.235	0.313
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.028	0.041	0.056	0.073	0.092	0.138	0.164	0.193	0.256
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.014	0.020	0.027	0.036	0.045	0.068	0.081	0.095	0.126
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.010	0.015	0.020	0.026	0.033	0.049	0.058	0.068	0.091
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.009	0.014	0.018	0.024	0.030	0.046	0.054	0.064	0.085
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.024	0.030	0.036	0.045	0.053	0.062	0.083	0.094	0.137
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.021	0.026	0.032	0.039	0.046	0.054	0.072	0.081	0.119
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.016	0.020	0.024	0.030	0.035	0.041	0.055	0.062	0.091
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.013	0.016	0.019	0.024	0.028	0.033	0.044	0.050	0.073
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

PERFORMANCE NOTES

- Performance data includes pressure loss associated with optional snap-in equalization baffle
- Performance data does not account for optional filter pressure loss
- Data obtained in accordance with ASHRAE Standard 70-2006
- NC Values are based on a room absorption of 10 dB
- NC levels less than 15 dB are shown as "-"
- All pressures are in inches of water

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6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.031	0.044	0.060	0.078	0.099	0.148	0.176	0.207	0.276
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.030	0.043	0.059	0.077	0.098	0.146	0.174	0.204	0.272
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.027	0.040	0.054	0.070	0.089	0.133	0.158	0.186	0.247
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.011	0.015	0.021	0.027	0.035	0.052	0.062	0.073	0.097
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.009	0.013	0.018	0.023	0.029	0.044	0.052	0.061	0.081
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.009	0.013	0.017	0.022	0.028	0.042	0.050	0.059	0.079
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.019	0.024	0.029	0.036	0.042	0.049	0.066	0.075	0.110
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.018	0.022	0.027	0.033	0.039	0.046	0.061	0.069	0.102
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.011	0.014	0.017	0.021	0.024	0.028	0.038	0.043	0.063
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.010	0.012	0.015	0.018	0.021	0.025	0.034	0.038	0.056
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

PERFORMANCE NOTES

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- NC levels less than 15 dB are shown as "-"
- All pressures are in inches of water

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6" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.029	0.042	0.058	0.075	0.095	0.142	0.169	0.198	0.264
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 24" Module	Total Pressure	0.029	0.042	0.057	0.074	0.094	0.141	0.167	0.196	0.262
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41
24" x 48" Module	Total Pressure	0.027	0.039	0.053	0.070	0.088	0.132	0.157	0.184	0.245
	NC (Noise Criteria)	-	-	-	-	23	30	33	36	41

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
60" x 12" Module	Total Pressure	0.010	0.014	0.020	0.025	0.032	0.048	0.057	0.067	0.090
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
48" x 24" Module	Total Pressure	0.009	0.013	0.017	0.023	0.029	0.043	0.051	0.059	0.079
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
24" x 60" Module	Total Pressure	0.009	0.012	0.017	0.022	0.028	0.042	0.050	0.058	0.077
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.018	0.022	0.027	0.034	0.040	0.046	0.062	0.070	0.103
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28
60" x 24" Module	Total Pressure	0.017	0.021	0.026	0.032	0.038	0.044	0.059	0.066	0.098
	NC (Noise Criteria)	-	-	-	-	-	-	-	21	28

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.010	0.012	0.015	0.019	0.022	0.025	0.034	0.039	0.057
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21
60" x 24" Module	Total Pressure	0.009	0.011	0.014	0.017	0.020	0.023	0.031	0.035	0.051
	NC (Noise Criteria)	-	-	-	-	-	-	-	-	21

PERFORMANCE NOTES

- Performance data includes pressure loss associated with optional snap-in equalization baffle
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- Data obtained in accordance with ASHRAE Standard 70-2006
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