

FINELITE

Better Lighting For A Better Workplace

*A Unique Family with
Beauty & Performance*

Series 12





Series 12-ID with white curved perforated louver.

Series 12-ID with semi-specular parabolic louver.

NEW to Series 12!

A Family of Indirect/Direct Fixtures.

Symmetry of form and family is achieved with the addition of this indirect/direct luminaire to the Series 12 product offering.

The downlight component of Series 12-ID balances the optical offering of the family, and components have been meticulously collected, designed, and combined to work together enhancing the visual appeal of the low profile curved form.

Series 12WM-ID Wall Mount

The Series 12WM-ID wall mount luminaire delivers a strong downlight component, and is available in three mounting styles including a diecast standoff that matches the curved endcap, a bracket bar mount that speeds installation, and a flush-to-wall mount.



Series 12WM-ID with white curved perforated louver, and standoff mount.



Standoff Mount



Bracket Bar Mount



Flush-to-Wall Mount

Enhanced Performance

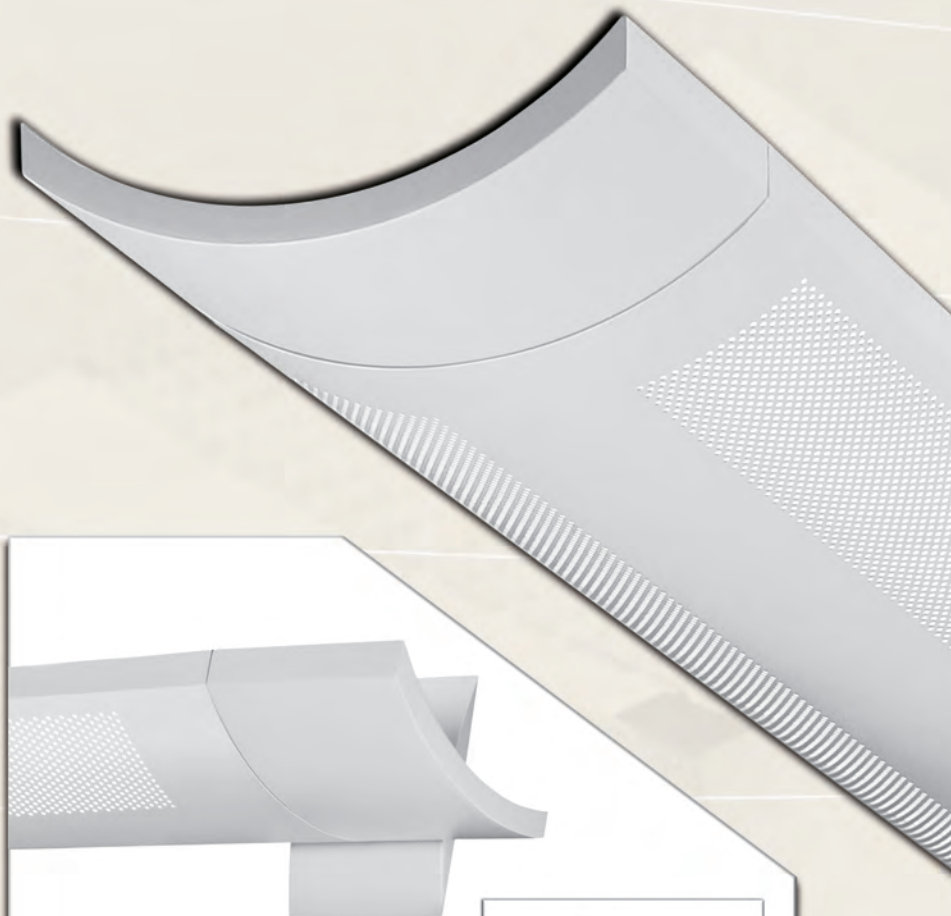
with Series 12-P!

The perforated curved shape is the standard for many applications and **Series 12-P** gives today's lighting professional a great way to light low ceiling environments. Finelite incorporated unique design elements like the **ClearPerf™ Lens** and **Wide Spread Optic**, which come together to improve light output and ceiling uniformity when suspended just **12"** from the ceiling.



Series 12-I

Series 12-I is **100% indirect** and has a clean look which is enhanced with the addition of the curved end cap. Incorporate indirect fixtures into daylight harvesting designs for a consistent appearance throughout the full dimming range.



Series 12WM-P Wall Mount

The Series 12WM-P wall mount luminaire offers a subtle downlight component, and is available in three mounting styles including a diecast standoff that matches the curved endcap, a bracket bar mount that speeds installation, and a flush-to-wall mount.



Standoff Mount



Bracket Bar Mount



Flush-to-Wall Mount

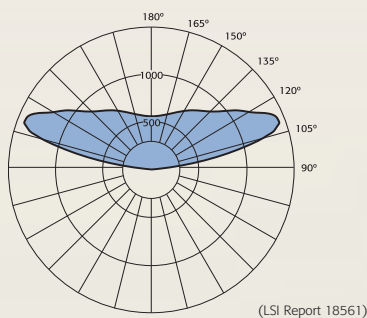
Optical PERFORMANCE

SERIES 12-P - WSO - 1 T5HO

Distribution: 98% up / 2% down

Efficiency: 87.7%

Peak Candella Value: 1379@ 115°



ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	14	0.33	0.38
0-40	24	0.54	0.62
0-60	45	1.02	1.16
0-90	73	1.63	1.85
40-90	48	1.08	1.23
60-90	27	0.61	0.69
90-180	3875	86.11	98.15
0-180	3948	87.74	100.00

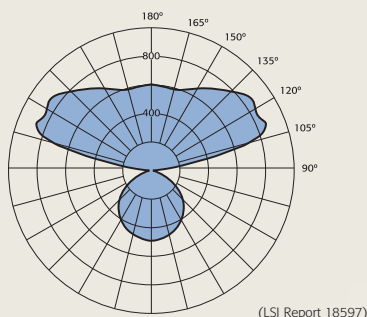
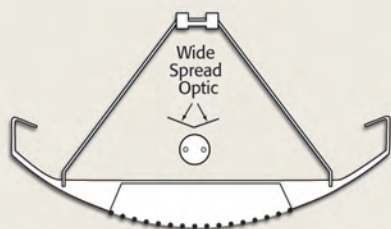
CANDLEPOWER SUMMARY					
	0.0	22.5	45	67.5	90 Lumens
0	19	19	19	19	19
5	19	20	20	19	2
15	19	18	18	19	5
25	18	17	17	17	8
35	15	15	16	16	10
45	12	12	14	14	11
55	9	10	12	14	11
65	6	8	11	13	14
75	4	6	10	12	10
85	2	3	7	9	7
90	0	6	5	10	8
95	29	243	191	155	226
105	121	462	995	1134	810
115	225	430	874	1226	821
125	319	456	713	991	640
135	398	483	666	806	502
145	462	511	627	719	388
155	509	535	587	644	273
165	541	552	569	587	161
175	557	560	561	562	54
180	559	559	559	559	

SERIES 12-ID - WSO - 1 T5HO - WCB

Distribution: 74% up / 26% down

Efficiency: 92.1%

Peak Candella Value: 866@ 125°



ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	352	7.82	8.50
0-40	555	12.35	13.41
0-60	905	20.12	21.85
0-90	1063	23.63	25.66
40-90	507	11.28	12.25
60-90	157	3.51	3.81
90-180	3080	68.45	74.34
0-180	4143	92.08	100.00

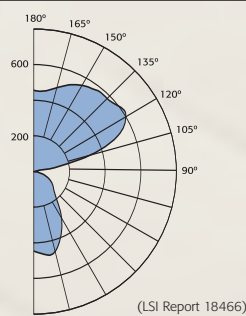
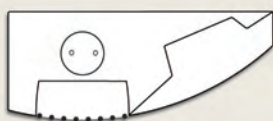
CANDLEPOWER SUMMARY					
	0.0	22.5	45	67.5	90 Lumens
0	494	494	494	494	494
5	482	483	486	490	47
15	430	434	445	460	126
25	363	371	386	412	180
35	290	298	320	354	204
45	216	221	245	281	195
55	136	144	168	200	155
65	86	86	95	99	94
75	44	45	46	42	38
85	11	13	17	16	17
90	0	10	9	20	11
95	24	123	109	102	126
105	113	351	583	655	493
115	220	395	644	777	584
125	323	421	641	813	551
135	413	457	613	736	466
145	486	504	587	666	369
155	542	549	570	612	268
165	580	585	584	587	166
175	598	602	600	599	58
180	601	601	601	601	

SERIES 12WM-ID - 1 T8 - WCB - EP

Distribution: 65% up / 35% down

Efficiency: 83.4%

Peak Candella Value: 612@ 125°

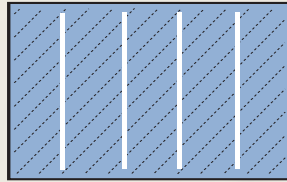


ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	328	10.97	13.15
0-40	499	16.64	19.95
0-60	744	24.83	29.78
0-90	870	29.03	34.82
40-90	371	12.39	14.87
60-90	125	4.20	5.04
90-180	1630	54.34	65.18
0-180	2500	83.37	100.00

CANDLEPOWER SUMMARY					
	0.0	22.5	45	67.5	90 Lumens
0	447	447	447	447	447
5	442	444	449	453	22
15	402	418	444	463	61
25	345	377	378	375	85
35	281	317	282	272	88
45	210	227	187	169	75
55	140	146	120	125	59
65	81	82	79	91	42
75	39	45	42	48	23
85	9	14	8	13	6
90	0	0	2	1	2
95	16	78	25	25	29
105	92	220	310	325	136
115	172	285	439	539	198
125	248	338	462	560	200
135	315	382	486	559	181
145	373	413	490	544	150
155	416	430	481	519	110
165	445	444	461	475	65
175	460	454	449	450	22
180	457	457	457	457	

OPEN OFFICE APPLICATION

Product: S12P-1T5HO-WSO
Ceiling Height: 9'6"
Ballast Factor: 1.0 for T5HO
Light Loss Factor: 0.85 for T5HO
IES File: LSI #18561

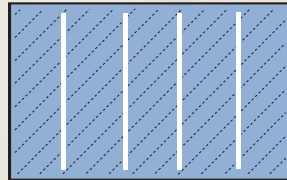


Suspension	12"			15"		
Row Spacing	10'	12'	14'	10'	12'	14'
Room Dimension	40' x ≥40'	48' x ≥40'	60' x ≥40'	40' x ≥40'	48' x ≥40'	60' x ≥40'
# of Rows	4 - 28'	4 - 32'	4 - 36'	4 - 28'	4 - 32'	4 - 36'
Avg FC Maintained	51 fc	46 fc	46 fc	50.4 fc	45.7 fc	45.8 fc
Ceiling Uniformity (Max/Min)	6:1	8:1	12:1	4:1	5:1	7:1
Power Density (w/Ft ²)	1.1	1.05	0.95	1.1	1.05	0.95

See the Series 12 AppGuide for more layout examples.

OPEN OFFICE APPLICATION

Product: S12ID-1T5HO-WSO
Ceiling Height: 9'6"
Ballast Factor: 1.0 for T5HO
Light Loss Factor: 0.85 for T5HO
IES file: LSI #18597



Suspension	12"			15"		
Row Spacing	10'	12'	14'	10'	12'	14'
Room Dimension	40' x ≥40'	48' x ≥40'	60' x ≥40'	40' x ≥40'	48' x ≥40'	60' x ≥40'
# of Rows	4 - 28'	4 - 32'	4 - 36'	4 - 28'	4 - 32'	4 - 36'
Avg FC Maintained	59 fc	54 fc	52.3 fc	58.6 fc	53.9 fc	52.4 fc
Ceiling Uniformity (Max/Min)	8:1	10:1	13:1	5:1	7:1	9:1
Power Density (w/Ft ²)	1.1	1.05	0.95	1.1	1.05	0.95

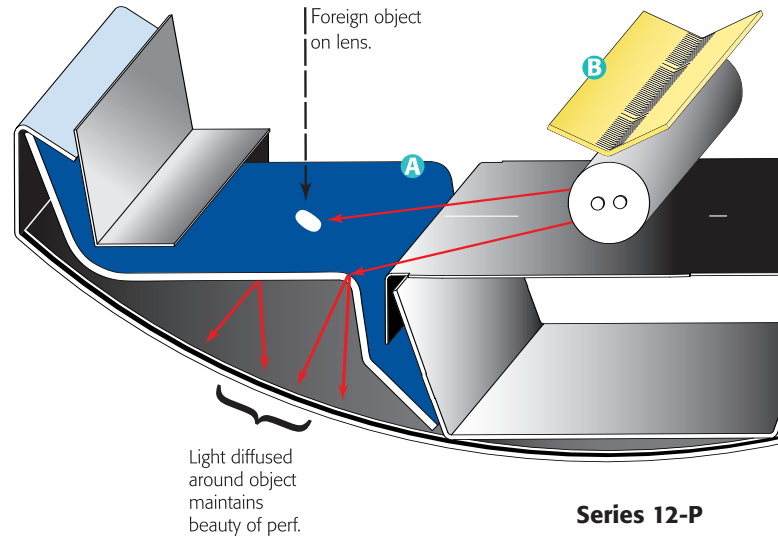
See the Series 12 AppGuide for more layout examples.

CORRIDOR/HALLWAY

Product: S12WM-ID-WCB
Corridor Dimensions: 6' x ≥30'
Ceiling Height: 9'6"
Mounting Height: 7'6"
Ballast Factor: 0.88 for T8
Light Loss Factor: 0.75 for T8
IES Files: LSI #18466, 18467



T8	# of Lamps	1	2
	Avg. FC Maintained	30.5 fc	52.9 fc
	Power Density (w/Ft ²)	1.2	2.4



Series 12-P

ClearPerf™ Lens - (A) Dark Blue

The optional extruded ClearPerf lens diffuses light around objects that may have fallen into the luminaire so the perf remains shadow free. This unique lens is gasketed at the ends to help seal the chamber against small items and insects. The uniformity of perf brightness is enhanced which is especially important for one lamp cross sections.

Results

- Perf remains clean and shadow-free
- Improved perf uniformity
- Easy to clean

Wide Spread Optic - (B) Yellow

Finelite innovated the Wide Spread Optic (WSO) to improve ceiling uniformity for lower ceiling applications. Designed for the 1 T5HO cross-section, the WSO is shaped to spread the light at optimal angles, and slotted to distribute just enough light above the luminaire for enhanced ceiling uniformity.

Results

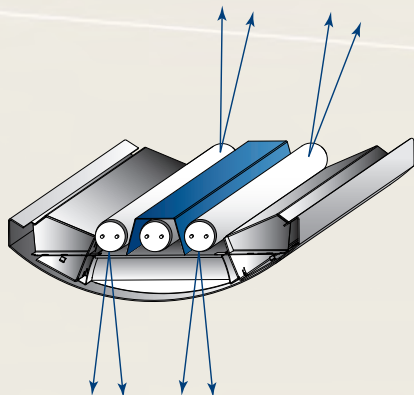
- Improved lower ceiling performance
- Improved ceiling uniformity
- High luminaire efficiency

Distinctive FEATURES

Solutions for Audio Visual Presentations

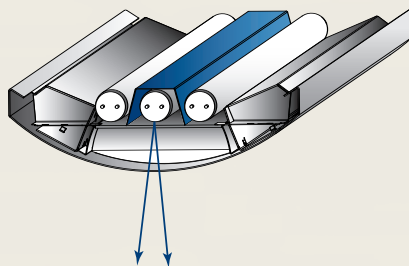
Controlled Center Optics (CCO)

Highly reflective **Controlled Center Optics** improves flexibility by delivering two distinct lighting modes, making it ideal for use in schools or conference rooms where audiovisual presentations are made.



General Mode

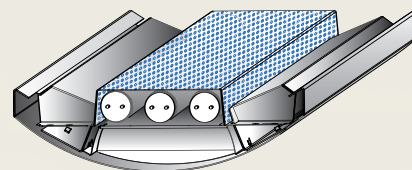
- 2 or 3 T8 lamps turned on for general illumination.
- Contact Finelite for integrated control switch wiring designs for maximum energy management control.



A/V Mode

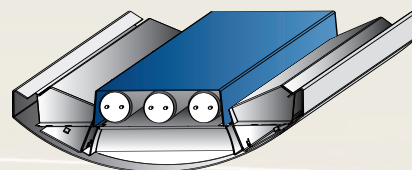
- Outside lamps are turned off.
- Ideal for note taking during audiovisual presentations.
- Eliminates veiling reflections on projection screens.

Increased Downlight



Soft Top Optics (STO)

- Highly reflective perforated material.
- Use where more downlight is needed with soft gentle up light.



Total Direct Optics (TDO)

- Use in applications where maximum downlight is needed.



Shielding Options

Series 12-ID features two shielding options, a white curved perforated louver and a semi-specular parabolic louver (*shown above*). The parabolic louver is finished at each end with a curved blade for a nice, clean look.

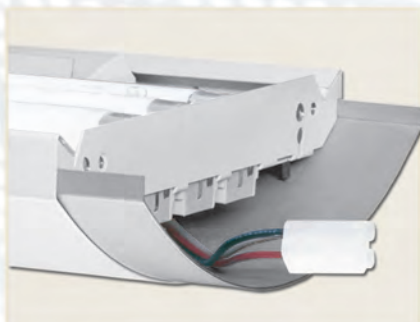
Endcap Choices

The standard endcap for the Series 12 family is a **flat endcap** which is designed to eliminate light leak for a nice clean appearance.

The die-cast aluminum **curved endcap** (*shown below*) adds richness to the overall design by extending the luminaire and visually reducing the profile.



Product SPECIFICATIONS



Die-Formed Aligner Sleeve

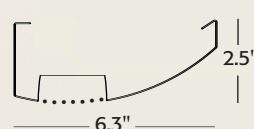
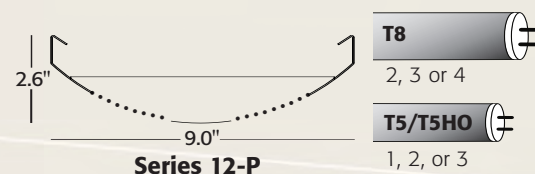
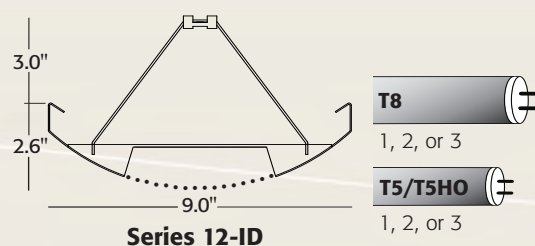
Factory installed die-formed aligner sleeves double the metal thickness at the joint adding significant strength and stability. Aligner sleeves help ensure long, straight rows and provide 100% light leak protection at each joint.



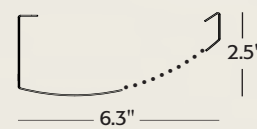
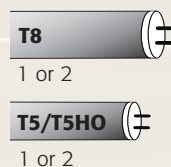
Wire Management Channel

The wire management channel prevents wires from becoming visible from below – a common punch list item.

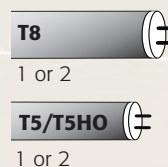
Dimensions and Lamping



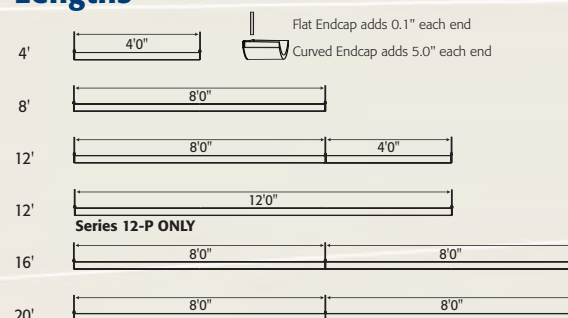
Series 12WM-ID



Series 12WM-P



Lengths



Fixture lengths of 4' and 8' and 12' (S12-P only) can be combined to make runs as long as required.

On Grid™ Wire Management
Ease of Mounting



FINELITE

Better Lighting For A Better Workplace

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