

INTREPID AIR

Architectural Surface

Type:

Fixture:



► Optics

Ultra-thin semi-transparent vertical optics, enveloped in a signature sloping silhouette where the frame meets the optics.

► Finish

Extruded aluminum housing with powder coat white finish.

► Electrical

Mini Internal LED Driver It is powered by Class 2 high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: Lutron® Diva-Dvtv, Leviton® IP-710-DL.

THD <20%

Power Factor >0.9

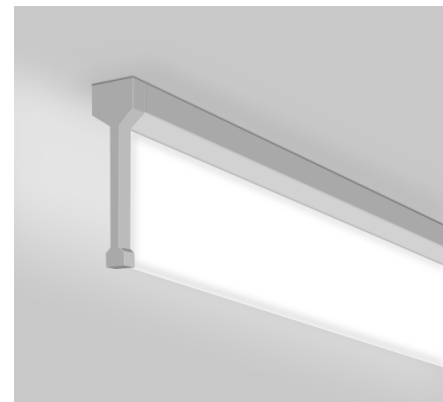
Input Voltage Standard electronic drivers are UL recognized and available for 110-277V or 110-347V* AC input voltage.

► LED System

CRI Minimum 90 color rendering index

CCT CCT adjustable from 3000K, 3500K and 4000K with a great color consistency.

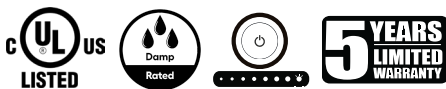
LED Minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.



DESCRIPTION

The Intrepid Air offers a surface-reverted design, boasting a modern and unobtrusive appearance that makes it an excellent choice for architectural lighting applications. It's particularly well-suited for areas like corridors, stairwells, and more. The Intrepid Air's distinctive sloped profile adds a touch of elegance, with a straightforward installation method involving screws or threaded studs that secure the luminaire in place.

With its adjustable wattage and color temperature (CCT) options, the Intrepid Air provides versatile lighting solutions for various environments. It delivers an impressive brightness of up to 1600 lumens per foot with a high Color Rendering Index (CRI) of over 90+.



ORDERING INFORMATION

Series	Size	Lumen Package	Voltage	CCT
IAS - (Intrepid Air Surface)	2 - (2') 3 - (3') 4 - (4')	2024 - (4000LM/40W) 4040 - (4000LM/40W) 4060 - (4000LM/40W)	U - (120 - 277V)	3CCT - Adjustable (3000K/3500K/4000K)

INTREPID AIR

Architectural Surface

Type:

Fixture:

Model#	Length	Lumen Package			
		Wattage	3000K	3500K(DLC Qualification)	4000K(DLC Qualification)
IAS-2-2024	2'	20W	1150lm/ft, 115lm/w	1250lm/ft, 125lm/w	1200lm/ft, 120lm/w
IAS-3-4040	3'	20W/30W/40W Selectable	750~1500lm/ft, 115lm/w	800~1650lm/ft, 125lm/w	800~1600lm/ft, 120lm/w
IAS-4-4060	4'	20W/30W/40W Selectable	550~1150lm/ft, 115lm/w	600~1250lm/ft, 125lm/w	600~1200lm/ft, 120lm/w

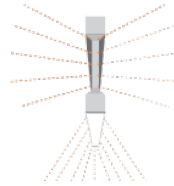
*All efficacy is ±5% base on different CCT. Check the IES file to gain the accurate data.

ACCESSORIES



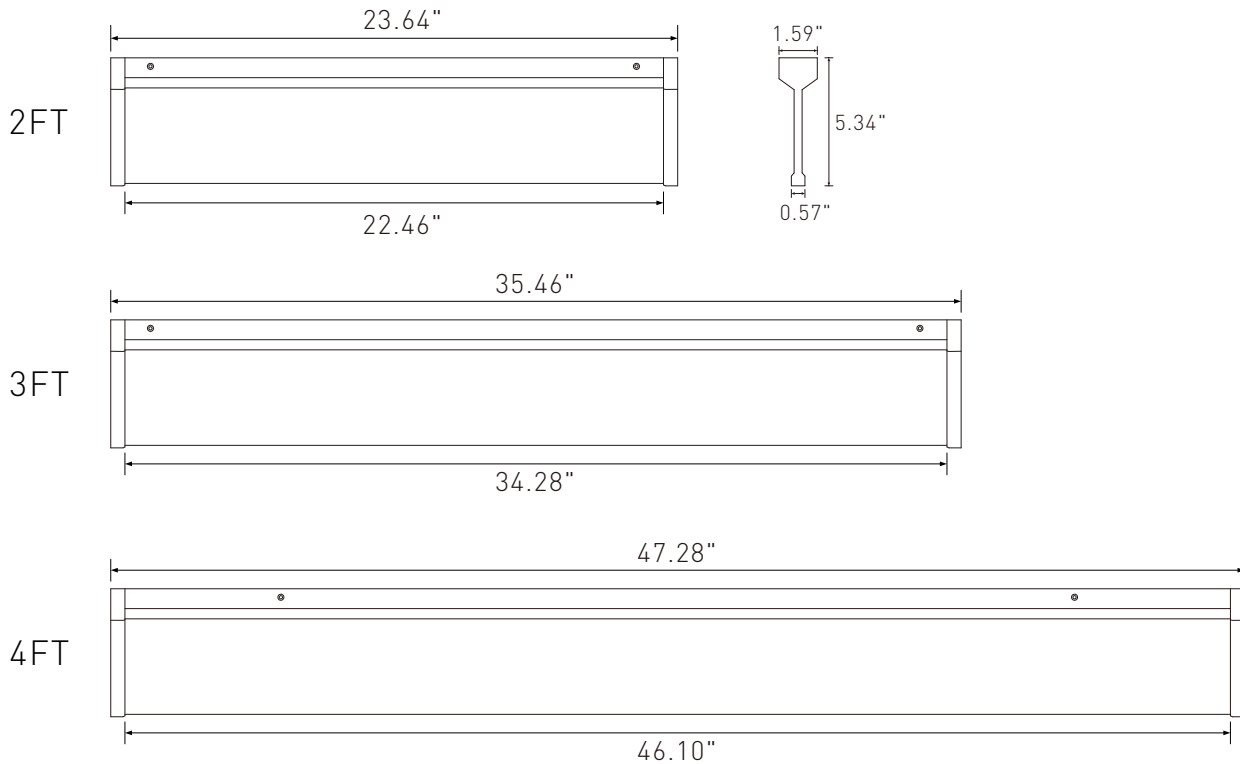
EMB12 Field installed 12W inverter

LIGHTING DISTRIBUTION



When suspended, the Intrepid Air Surface can provide smooth distribution, allowing for wider spacing between fixtures and better ceiling light uniformity.

DIMENSIONS



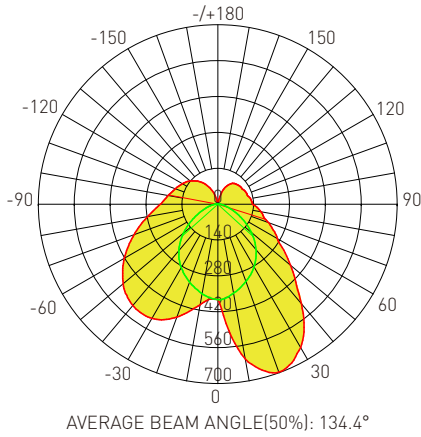
Architectural Surface

Type:

Fixture:

DISTRIBUTION DIAGRAM

2' / 3500K



Test Number: IAS-2-2024
 Lumens: 2513.51 Lm
 Watts: 20 W
 LPW: 128.60 Lm/W CCT:
 3500K

UNIT: cd
 — C0/180, 172.9°
 — C90/270, 95.9°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	611.9	529.4	353.2	372.8	398.2
20	696.7	605.3	321.0	405.9	469.0
30	646.1	587.6	282.2	434.1	514.3
40	507.3	499.5	233.0	434.4	516.3
50	370.0	396.0	170.6	406.3	482.6
60	268.7	307.9	105.5	362.4	421.9
70	210.5	241.7	52.89	308.1	347.6
80	170.9	192.0	21.38	254.4	278.2
90	136.0	150.2	3.729	208.8	224.7
100	129.3	141.9	0.7169	183.8	197.2
110	120.7	132.4	0	162.4	176.9
120	114.5	124.7	0	141.2	160.3
130	111.3	111.7	0	116.5	142.0
140	105.3	91.46	0	88.58	117.5
150	89.30	64.69	0	13.74	46.12
160	58.63	13.33	0	13.74	46.12
170	8.001	0.8131	0.0901	0.9910	3.441
180	0.2742	0.7223	0	0.5422	0.4570
DEG	LUMINOUS INTENSITY:cd				

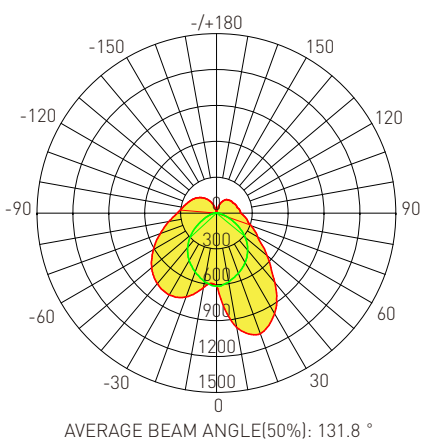
Zonal Lumens

τ	φ total
0-10	39.83
10-20	172.8
20-30	397.3
30-40	682.1
40-50	983.6
50-60	1270
60-70	1524
70-80	1740
80-90	1916
90-100	2066
100-110	2195
110-120	2305
120-130	2392
130-140	2455
140-150	2494
150-160	2511
160-170	2513
170-180	2514
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	17757	1235
80	9862	1231
75	7136	1355
70	6166	1547
65	5669	1817
60	5384	2111
55	5481	2397
50	5768	2655
45	6108	2868

3' / 3500K



Test Number: IAS-3-4040
 Lumens: 3805.84 Lm
 Watts: 30 W
 LPW: 129.55 Lm/W CCT:
 3500K

UNIT: cd
 — C0/180, 172.9°
 — C90/270, 95.9°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	968.4	858.3	586.1	597.8	633.0
20	1072	963.6	535.2	660.6	745.3
30	972.4	923.5	479.4	697.2	789.7
40	757.5	777.0	406.5	682.9	769.8
50	553.5	609.8	312.5	629.3	709.0
60	398.3	471.7	199.2	552.8	610.2
70	309.8	364.6	97.10	467.8	501.6
80	250.9	289.9	36.16	386.2	403.0
90	202.5	228.2	6.695	316.2	328.8
100	193.1	215.6	1.550	278.3	286.8
110	179.4	200.2	1.094	245.4	257.0
120	166.7	184.9	1.094	211.2	231.5
130	159.7	163.4	1.094	172.7	205.0
140	147.2	131.9	1.277	131.6	166.7
150	123.3	86.11	1.277	86.34	122.4
160	89.04	20.26	2.183	26.9	67.01
170	14.40	2.257	4.102	2.546	8.510
180	1.548	2.162	4.195	1.819	1.640
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-10	64.38
10-20	276.1
20-30	628.3
30-40	1069
40-50	1530
50-60	1963
60-70	2343
70-80	2662
80-90	2924
90-100	3147
100-110	3340
110-120	3502
120-130	3630
130-140	3721
140-150	3776
150-160	3801
160-170	3806
170-180	3806
	UNIT: lm

Luminance cd/(m2)

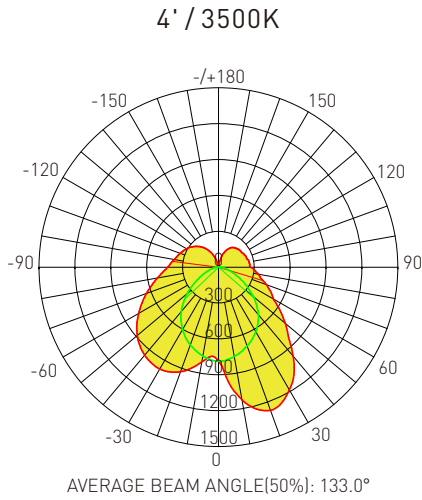
G(DEG)	C0/180	C90/270
85	26130	2103
80	14462	2074
75	10471	2379
70	9068	2827
65	8384	3404
60	7975	3967
55	8151	4462
50	8620	4840
45	9128	5102

Architectural Surface

Type:

Fixture:

DISTRIBUTION DIAGRAM



Test Number: IAS-4-4060
 Lumens: 4593.3 Lm Watts:
 40 W
 LPW: 125.53Lm/W CCT:
 3500K

UNIT: cd
 — C0/180,170.5°
 — C90/270,95.5°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1124	1022	758.9	760.8	803.3
20	1273	1138	701.6	829.5	929.4
30	1185	1112	606.1	866.8	983.1
40	973.0	958.4	519.0	842.6	961.5
50	729.5	773.1	379.3	774.9	887.5
60	531.8	612.2	230.6	686.5	770.2
70	426.6	486.9	117.9	585.1	640.8
80	340.1	390.7	50.83	486.0	519.1
90	269.6	309.6	9.746	399.4	426.1
100	259.8	293.4	1.830	352.8	377.8
110	247.9	274.0	1.542	312.7	342.5
120	236.4	254.7	1.541	268.5	310.9
130	227.1	227.3	1.540	219.2	271.1
140	213.0	184.6	1.599	164.2	221.8
150	184.7	114.4	1.665	102.2	158.7
160	125.8	49.61	1.731	33.69	82.85
170	34.73	13.20	2.806	3.606	13.88
180	2.040	3.092	2.889	2.495	1.943
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

τ	φ total
0-10	79.88
10-20	340.0
20-30	774.2
30-40	1323
40-50	1904
50-60	2453
60-70	2941
70-80	3358
80-90	3702
90-100	3994
100-110	4251
110-120	4468
120-130	4639
130-140	4764
140-150	4839
150-160	4873
160-170	4881
170-180	4881
	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	35045	3092
80	19601	2920
75	14272	3084
70	12484	3438
65	11396	3990
60	10646	4599
55	10947	5289
50	11358	5885
45	11738	6380