



# ASCENT ARCHITECTURAL LIGHTING

PROJECT  DATE

COMMENTS



**IN STOCK**



### ENERGY CHART

SIZE	DIMENSIONS feet	DELIVERED LUMENS	WATTAGE selectable	EFFICACY lm/w
14	1X4	2750 / 3300 / 3850	25 / 30 / 35	110
22	2X2	2750 / 3300 / 3850	25 / 30 / 35	110
24	2X4	3300 / 4400 / 5500	30 / 40 / 50	110

## RIDGE TRI LENS ARCHITECTURAL FLAT PANEL

The Ridge recessed troffer features a back-lit tri lens and distinct center detail for providing quiet, smooth illumination. The low profile form factor is ideal for applications where there is minimal plenum space. Ridge is available in 1x4, 2x2, and 2x4 sizes with field selectable CCT and field selectable wattage.

- Commercial Office
- Classrooms
- Civic & Transportation

### PHYSICAL

Material	Extruded Aluminum
Mounting	Recessed
Lens	Back-Lit Tri Diffuse Lens
Finish	Powder Coat White Finish

### PERFORMANCE

Warranty	5 years
Certifications	Damp Location, UL, DLC
Rated Life	50,000 hours
Operating Temperature	0°C to 50°C (32°F to 122°F)
THD	<20%
CCT	Field Selectable: 3500K, 4000K, 5000K
CRI	80+

### ELECTRICAL

Wattage	Field Selectable: 25W, 30W, 35W, 40W, 50W
Voltage	100-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	1-10V

### ORDERING LOGIC

EX: RIDGE-14

FAMILY	SIZE	OPTIONS
<b>RIDGE</b>		
	<b>14</b> 1X4	<b>EM</b> 8W Emergency Battery
	<b>22</b> 2X2	
	<b>24</b> 2X4	





#### SPECIFICATIONS

##### CONSTRUCTION

Extruded aluminum housing.

##### FINISH

Powder coat white finish provides long term performance and a superior uniform aesthetic.

##### ELECTRICAL

LED Driver: Class 2 high efficiency LED driver with 1-10V continuous dimming to 10% that works with many types of controls. Compatible with the following types of controls:

- Leviton IP710-DL
- Leviton IP710-LF
- Lutron PowPak 0-10V Dimming
- Lutron Diva-Dvtv
- Hubbell NX Distributed Room Control
- Cooper Greengate Room Controller
- nLight nPP16D
- Wattstopper DLM

THD: < 20%

Power Factor: >0.9

Input Voltage: 100-277V

##### WARRANTY

5-year limited warranty

##### LED SYSTEM

CRI: Minimum 80 color rendering index

CCT: Field selectable CCT by dip switch includes 3500K, 4000K, and 5000K

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

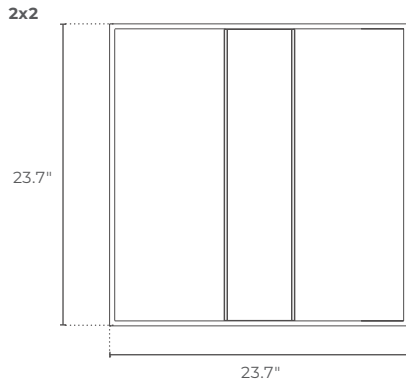
Thermal Management: Aluminum housing acts as the heat sink to maximize life.

Environment: Damp location rated in operating ambient temperatures of 0°C to 50°C (32°F to 122°F).

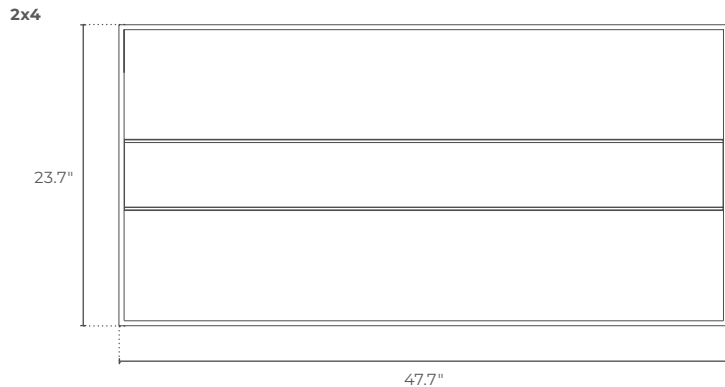
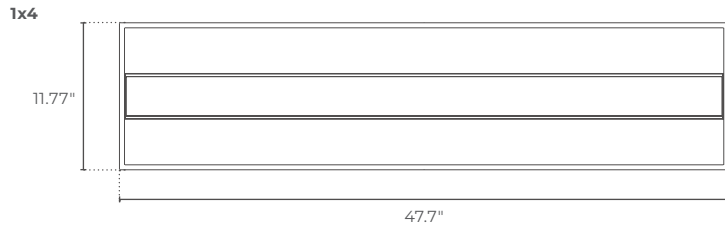
##### OPTIONAL FUNCTION

Emergency Option: Optional low voltage 100-277V emergency LED driver for lighting up to 120 minutes in event of power failure, meets critical life-safety lighting requirements

#### DIMENSIONS



##### SIDE VIEW



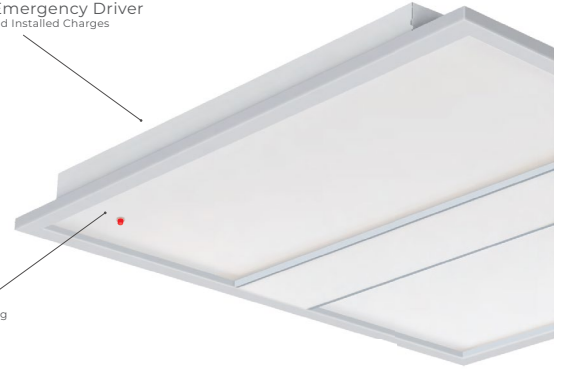


**ADDITIONAL IMAGERY**

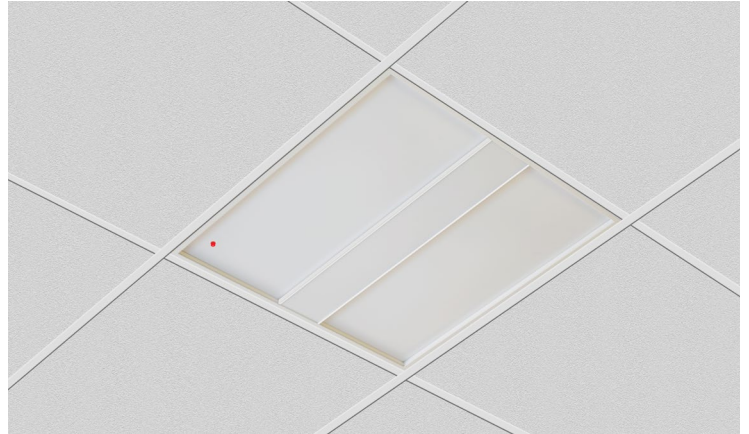


Built-In LED Emergency Driver  
Eliminates Field Installed Charges

Indicator  
Code Required Testing

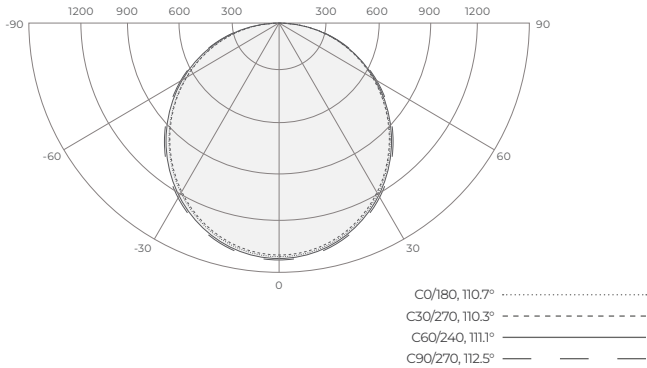


**RIDGE-22-EM**



**PHOTOMETRICS - 2X2-35W-3500K**

AVERAGE BEAM ANGLE (50%): 111.1°


**LUMINANCE cd/(m2)**

G(DEG)	C0/180	C90/270
85	1430	3315
80	2514	3304
75	3089	3354
70	3452	3620
65	3701	3828
60	3878	3995
55	4013	4079
50	4120	4172
45	4205	4266

UNIT: lm

**ZONAL FLUX DIAGRAM**

T	C0	C45	C90	C135	C180
5	1419	1408	1405	1408	1420
10	1398	1383	1385	1383	1398
15	1363	1352	1361	1351	1367
20	1317	1313	1310	1313	1319
25	1260	1252	1255	1251	1261
30	1190	1181	1201	1180	1193
35	1114	1106	1117	1105	1115
40	1029	1026	1033	1024	1028
45	932.4	925	946.1	921.0	931.1
50	830.5	823.9	841.1	816.0	828.2
55	721.9	721.3	733.7	709.4	719.9
60	608.0	603.6	626.4	591.4	604.3
65	490.5	486.1	507.4	474.9	486.5
70	370.2	367.4	388.3	358.9	365.4
75	250.8	251.3	272.2	243.7	245.1
80	136.9	144.2	179.9	138.3	124.9
85	39.08	72.18	90.61	68.99	30.60
90	0.2886	1.808	1.312	1.529	0.2382
95	0.5084	1.778	1.428	1.586	0.3787
100	0.5323	1.749	1.544	1.638	0.5276
105	0.7128	1.751	1.664	1.733	0.7256
110	0.9203	1.789	1.823	1.855	0.7463
115	1.155	1.832	1.987	1.985	1.145
120	1.385	1.950	2.151	2.106	1.348
125	1.610	2.106	2.280	2.266	1.537
130	1.773	2.257	2.393	2.498	1.686
135	1.944	2.385	2.504	2.622	1.858
140	2.111	2.464	2.615	2.591	2.011
145	2.241	2.522	2.667	2.565	2.151
150	2.368	2.587	2.694	2.552	2.286
155	2.458	2.656	2.718	2.573	2.399
160	2.548	2.681	2.742	2.610	2.503
165	2.624	2.696	2.736	2.647	2.597
170	2.665	2.704	2.725	2.677	2.665
175	2.697	2.712	2.713	2.698	2.724
180	2.701	2.701	2.701	2.701	2.733

LUMINOUS INTENSITY: cd

**ZONAL LUMENS**

T	Φ TOTAL
0-5	33.87
5-10	133.9
10-15	296.8
15-20	516.9
20-25	786.1
25-30	1096
30-35	1435
35-40	1792
40-45	2155
45-50	2512
50-55	2849
55-60	3157
60-65	3425
65-70	3642
70-75	3805
75-80	3912
80-85	3971
85-90	3989
90-95	3990
95-100	3990
100-105	3991
105-110	3992
110-115	3993
115-120	3993
120-125	3994
125-130	3995
130-135	3996
135-140	3997
140-145	3998
145-150	3998
150-155	3999
155-160	4000
160-165	4000
165-170	4000
170-175	4001
175-180	4001

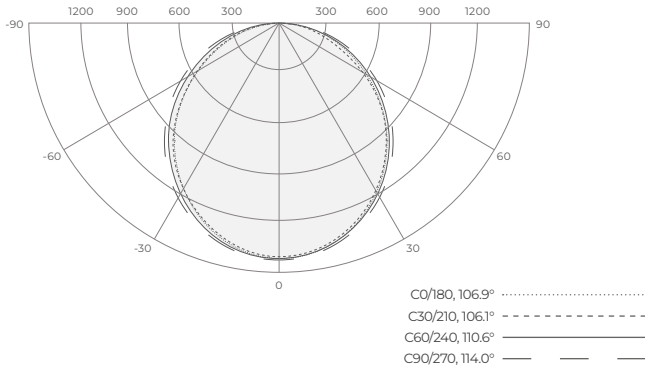
UNIT: lm





**PHOTOMETRICS - 1X4-35W-3500K**

AVERAGE BEAM ANGLE (50%): 109.4°



**LUMINANCE cd/(m2)**

G(DEG)	C0/180	C90/270
85	1015	3454
80	1997	3411
75	2752	3456
70	3221	3757
65	3548	3990
60	3789	4175
55	3973	4260
50	4118	4355
45	4237	4450

UNIT: lm

**ZONAL FLUX DIAGRAM**

T	C0	C45	C90	C135	C180
5	1412	1400	1399	1400	1411
10	1387	1371	1376	1370	1385
15	1349	1337	1351	1333	1345
20	1299	1295	1300	1290	1294
25	1238	1231	1247	1225	1232
30	1167	1159	1194	1152	1159
35	1087	1084	1111	1075	1076
40	996.5	1003	1029	989.9	985.2
45	898.8	899.8	944.0	867.6	885.7
50	794.2	789.9	839.7	741.6	779.4
55	683.7	673.7	733.0	615.3	667.1
60	568.3	546.1	626.2	489.1	551.4
65	449.8	424.2	505.8	369.8	433.5
70	330.5	309.1	385.5	263.5	314.5
75	213.7	201.3	268.4	170.4	190.5
80	104.1	108.0	177.7	89.26	80.47
85	26.55	55.32	90.32	45.07	16.14
90	0.5366	2.823	2.949	3.048	0.5788
95	0.9564	3.362	3.782	3.844	0.3154
100	1.195	3.903	4.615	4.631	0.5049
105	1.489	3.916	5.343	4.846	0.8196
110	1.669	3.803	5.232	4.940	1.073
115	1.645	3.622	5.017	4.809	1.262
120	1.533	3.523	4.802	4.477	1.497
125	1.732	3.462	4.581	4.233	1.682
130	1.930	3.430	4.334	4.046	1.889
135	2.124	3.492	4.084	3.942	2.092
140	2.305	3.418	3.833	3.666	2.277
145	2.453	3.334	3.777	3.439	2.426
150	2.589	3.177	3.632	3.269	2.588
155	2.710	3.133	3.475	3.167	2.723
160	2.796	3.080	3.319	3.106	2.814
165	2.877	3.058	3.175	3.085	2.917
170	2.940	3.049	3.110	3.058	2.985
175	2.985	3.030	3.054	3.033	3.039
180	2.999	2.999	2.999	2.999	3.066

LUMINOUS INTENSITY: cd

**ZONAL LUMENS**

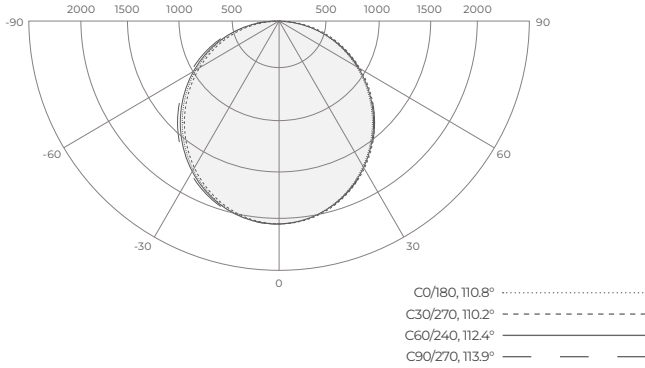
T	φ TOTAL
0-5	33.74
5-10	133.3
10-15	295.2
15-20	513.6
20-25	780.4
25-30	1087
30-35	1422
35-40	1774
40-45	2130
45-50	2478
50-55	2803
55-60	3094
60-65	3342
65-70	3540
70-75	3685
75-80	3778
80-85	3829
85-90	3846
90-95	3848
95-100	3849
100-105	3850
105-110	3852
110-115	3853
115-120	3855
120-125	3856
125-130	3857
130-135	3858
135-140	3859
140-145	3860
145-150	3861
150-155	3862
155-160	3862
160-165	3863
165-170	3863
170-175	3863
175-180	3863

UNIT: lm



**PHOTOMETRICS - 2X4-50W-3500K**

AVERAGE BEAM ANGLE (50%): 111.8°


**ZONAL FLUX DIAGRAM**

T	C0	C45	C90	C135	C180
5	2030	2022	2021	2021	2030
10	2001	1992	2002	1993	1998
15	1953	1950	1950	1950	1948
20	1889	1881	1897	1879	1881
25	1810	1805	1813	1800	1798
30	1715	1709	1728	1702	1701
35	1606	1598	1614	1591	1589
40	1483	1479	1500	1470	1463
45	1349	1338	1358	1319	1326
50	1203	1193	1215	1160	1178
55	1046	1019	1052	982.2	1019
60	883.7	844.9	889.5	807.5	854.0
65	712.7	668.5	713.8	629.6	683.4
70	539.7	496.0	538.2	462.2	511.6
75	370.7	327.7	372.4	306.6	341.6
80	209.4	183.4	206.6	174.8	173.6
85	63.77	73.47	104.8	72.74	38.72
90	0.5907	3.238	2.868	3.301	0.7403
DEG	LUMINOUS INTENSITY: cd				

**ZONAL LUMENS**

T	φ TOTAL
0-5	48.56
5-10	192.5
10-15	426.9
15-20	743.8
20-25	1133
25-30	1580
30-35	2071
35-40	2588
40-45	3155
45-50	3632
50-55	4121
55-60	4564
60-65	4946
65-70	5255
70-75	5485
75-80	5635
80-85	5713
85-90	5737
	UNIT: lm

**LUMINANCE cd/(m2)**

G(DEG)	C0/180	C90/270
85	1180	1939
80	1945	1919
75	2310	2321
70	2545	2538
65	2720	2724
60	2851	2869
55	2942	2959
50	3017	3049
45	3076	3097

UNIT: lm

