



ASCENT

ARCHITECTURAL LIGHTING

PROJECT

DATE

COMMENTS



IN STOCK



ENERGY CHART

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

ORDERING LOGIC

FAMILY	SIZE	OPTIONS
RIM		
	22 2X2	EM 6W Emergency Battery
	24 2X4	

RIM ARCHITECTURAL FLAT PANEL

The Rim recessed troffer features a back-lit lens and quiet, smooth illumination. The low-profile form factor is ideal for applications where there is minimal plenum space. Rim is available in 2x2 and 2x4 sizes with field selectable CCT and field selectable wattage. Rim can be supplied with an integral 6W emergency backup.

- Commercial Office
- Classrooms
- Civic & Transportation

PHYSICAL

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

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	110-277V
Power Factor	>0.9
LED Driver	Class 2 High Efficiency
Dimming	100-10% 1-10V

EX: RIM-22





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.

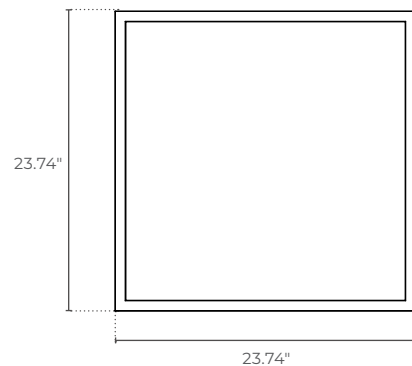
Environment: Damp location rated in operating ambient temperatures of 0°C to 50°C (32°F to 122°F).

OPTIONAL FUNCTION

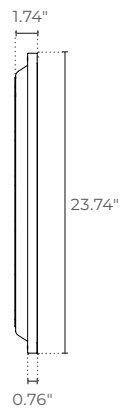
Emergency Option: Optional low voltage 100-277V emergency LED driver for lighting up to 120 minutes in event of power failure, meets critical life-safety lighting requirements

DIMENSIONS

2x2



SIDE VIEW



2x4





ADDITIONAL IMAGERY

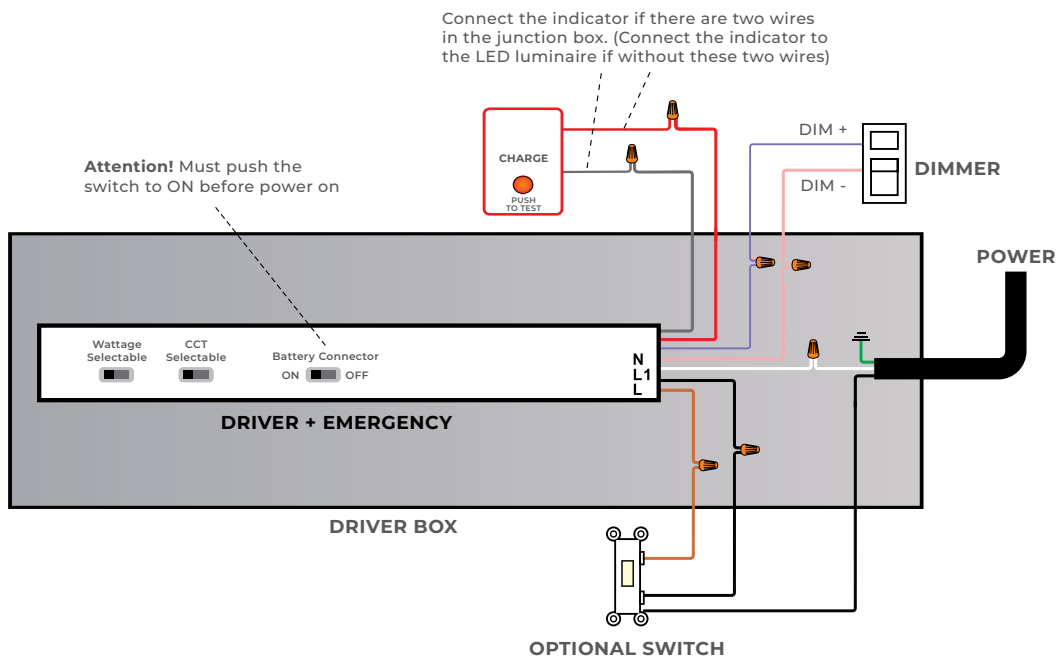
RIM-22



RIM-24



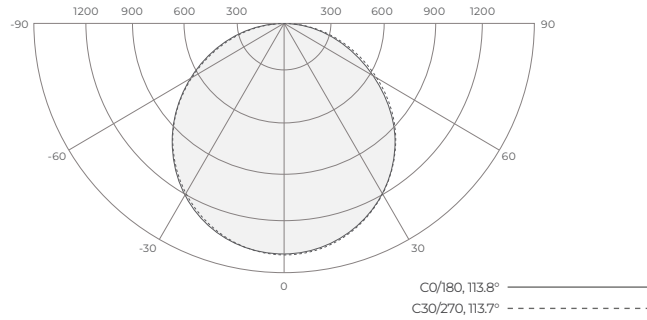
EMERGENCY BATTERY WIRING DIAGRAM





PHOTOMETRICS - 2X2 - 35W - 3500K

AVERAGE BEAM ANGLE (50%): 113.8°



LUMINANCE cd/(m2)

G(DEC)	C0/180	C90/270
85	5710	6959
80	8237	9024
75	9886	10364
70	11104	11353
65	11904	12049
60	12443	12564
55	12825	12951
50	13097	13207
45	13302	13388

UNIT: lm

ZONAL FLUX DIAGRAM

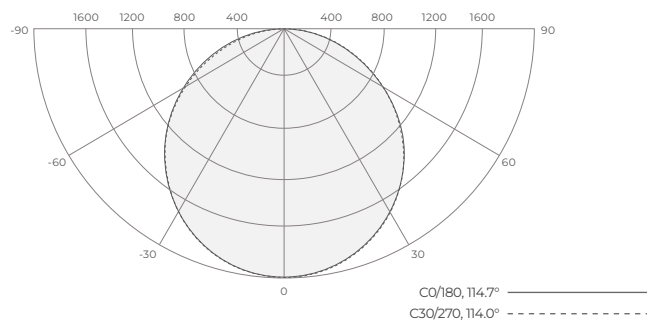
T	C0	C45	C90	C135	C180
10	1366	1367	1368	1368	1368
20	1297	1298	1300	1299	1299
30	1183	1186	1188	1187	1186
40	1030	1034	1036	1036	1033
50	841.1	847.6	848.8	850.5	846.0
60	621.6	629.5	628.2	633.3	627.7
70	379.4	387.7	388.3	391.6	387.0
80	142.9	150.2	156.7	154.6	149.9
90	0.0014	0.0844	0.0842	0.2041	0
100	0.1674	0.0878	0	0	0
110	0.5039	0.3689	0.0844	0.3705	0.1662
120	1.347	0.9283	0.4783	0.7703	0.6749
130	1.335	0.9984	1.255	0.7183	1.264
140	1.302	0.2535	1.201	0.4218	1.433
150	1.269	0	1.114	0	1.433
160	1.134	0	1.043	0	1.433
170	1.369	0	1.093	0	1.433
180	1.433	0.2531	1.266	0	1.433
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMENS

T	φ TOTAL
0-10	131.6
10-20	509.1
20-30	1083
30-40	1779
40-50	2506
50-60	3165
60-70	3666
70-80	3945
80-90	4010
90-100	4010
100-110	4010
110-120	4010
120-130	4011
130-140	4012
140-150	4013
150-160	4013
160-170	4013
170-180	4013
UNIT: lm	

PHOTOMETRICS - 2X4 - 35W - 3500K

AVERAGE BEAM ANGLE (50%): 114.3°



LUMINANCE cd/(m2)

G(DEC)	C0/180	C90/270
85	10468	12586
80	13573	14498
75	15495	15700
70	16691	16666
65	17496	17408
60	18115	18012
55	18587	18470
50	18938	18834
45	19204	19112

UNIT: lm

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	1949	1959	1952	1946	1946
20	1856	1870	1857	1848	1849
30	1699	1713	1698	1688	1692
40	1483	1496	1481	1470	1477
50	1215	1226	1211	1204	1211
60	904.3	913.2	900.7	897.6	903.8
70	570.0	577.5	570.1	568.0	572.8
80	235.3	248.8	251.8	247.7	247.6
90	0.2569	0.6989	1.349	6.798	0
100	0	0.4724	1.151	2.045	0
110	0	0.4982	1.137	0.7072	0.2640
120	0.6089	0.6486	0	0.5700	0.6816
130	0.8588	0.6124	0	0.6712	0.8550
140	0.8223	0	0	0	0.9294
150	0.7007	0	0	0	1.004
160	0.4954	0	0.0904	0	1.162
170	0.6586	0.0877	0.1390	0	1.237
180	0.6998	0.0877	0.1730	0	1.225
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMENS

T	φ TOTAL
0-10	187.5
10-20	726.2
20-30	1547
30-40	2544
40-50	3585
50-60	4530
60-70	5257
70-80	5683
80-90	5798
90-100	5799
100-110	5800
110-120	5800
120-130	5801
130-140	5801
140-150	5801
150-160	5801
160-170	5801
170-180	5801
UNIT: lm	

