panels

2x2 34W Panel

Edge-to-edge light in a clean, elegant design with optional 0-10V dimming. Delivers up to 3430 lumens with high efficacy.

Performance

Wattage	34
Replaces	2x2 fluorescent troffers

Color Temperature (CCT)	**3000K**	**3500K**	**4000K**
Input Watts	34	34	33
Output Lumens	4409	4383	4285
Lumens Per Watt	131	131	130
Color Accuracy (CRI)	82	83	83

Note: Values shown for 0-10V dimming driver. Please visit rabweb.com for details on On/Off driver.

Specifications

UL Listing
Suitable for damp locations

Lifespan
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

IC Rating
Suitable for insulated ceilings

LEDs
Long-life, high-efficiency, micro-power surface mount LEDs; binned and mixed for uniform light output and color

Driver
0-10V: Constant Current, Class 2, 100-277V, 50/60Hz, 4kV Surge Protection, 700mA, 120V: 0.29A, 208V: 0.17A, 240V: 0.15A, 277V: 0.13A, 50/60Hz, Power Factor 99%, THD ≤10%.

On/Off: Constant Current, 700mA, Class 2 with 4 kV surge protection, 120V: 0.28A, 208V: 0.17A, 240V: 0.15A, 277V: 0.13A, 50/60Hz, Power Factor 97.9%, THD ≤ 20%.

Dimming
Available as On/Off or with 0 - 10V dimming driver which dims as low as 10%

Lens
High-transmission frosted acrylic lens with excellent distribution and uniformity

Housing
Lightweight housing is constructed of extruded aluminum and steel with high reflectance paint

Installation
Modular splice box/driver compartment for quick installation. Integral Tee-grid ceiling clips make installation easy and secure.

IESNA LM-79 & LM-80 Testing
RAB LED luminaires have been tested by an independent NVLAP Certified laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Dimming control
Optional 0-10V driver available

Smooth distribution
Edge-to-edge light delivers even illumination

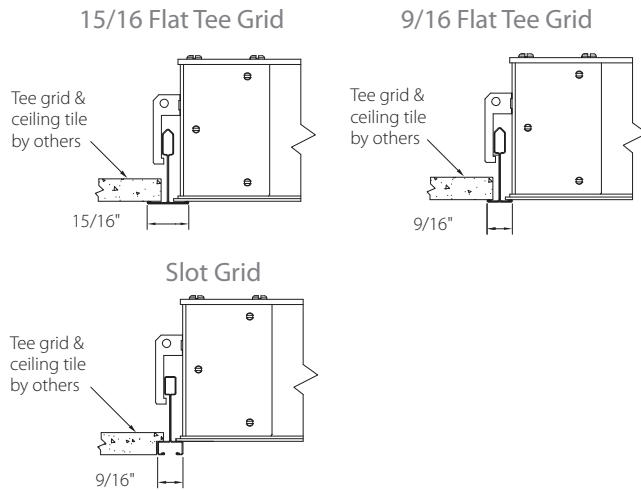**Send for backup**
Emergency battery backup option is available

Ordering information

Product Family	Size	Wattage	Color Temp	Dimming	Emergency Battery Backup
PANEL	2X2	— 34			

			Color Temp		Dimming		Emergency Battery Backup	
			Y	3000K	**Blank**	On/Off	**Blank**	None
			YN	3500K	**/D10**	0 - 10V dimming	**/E2**	120V-277V
			N	4000K				

Accessories
Recessed mounting kit: RMKPANEL2x2

Mounting

15/16 Flat Tee Grid
Tee grid & ceiling tile by others

15/16"

9/16 Flat Tee Grid
Tee grid & ceiling tile by others

9/16"

Slot Grid
Tee grid & ceiling tile by others

9/16"

Dimensions & weight

2x2 Panel
Weight: 21.0 lbs / 9.5 kg

5" / 127 mm
3" / 76 mm

23 3/4" / 603 mm

23 3/4" / 603 mm

7/8" ø / 22 mm

6 1/8" / 155 mm

12 1/8" / 308 mm
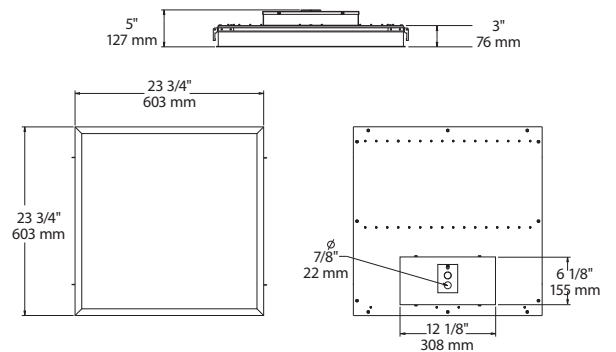
Photometrics

2X2 CEILING PANEL - 34W - 3500K

candlepower distribution

317
634
951
1268

0   15°   30°

90°
75°
60°
45°
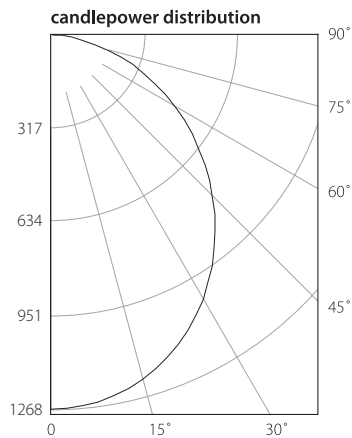
candela distribution

vertical deg.	0.0	22.5	45.0	67.5	90.0
0	1268	1268	1268	1268	1268
5	1261	1262	1263	1262	1261
15	1209	1209	1209	1209	1209
25	1103	1103	1105	1105	1103
35	956	955	956	956	956
45	778	779	781	780	782
55	587	588	589	588	591
65	392	393	393	392	394
75	203	202	202	203	203
85	39	39	39	40	39
90	0	0	0	0	0

LUMENS PER WATT: 93

Photometric Report #ITL80211MOD

spacing criteria

	0° - 180°	90° - 270°	Diagonal
	1.22	1.22	1.34

zonal lumen summary

zone	lumens	% fix.
0- 30	969	28.9
0- 40	1566	46.8
0- 60	2694	80.5
0- 90	3347	100.0
90-180	0	0.0
0-180	3347	100.0

luminance (cd/M²)

	avg. luminance		
angle	0°	45°	90°
45	3499	3513	3518
55	3258	3270	3275
65	2951	2958	2966
75	2492	2479	2492
85	1435	1435	1435