



BOA™

Architectural

Linear

LED

RAB®
LIGHTING
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BOA™

- Upscale design, high-end performance, undeniable value
- Proprietary optics produce soft dimensional illuminance at the lens and over 700 lumens per linear foot
- Lengths offered in 2-foot increments up to 12 feet*
- Available in two light levels; 5W or 10W per linear foot
- 0-10V dimming down to 10%
- Pendant, recessed and surface mount options
- 100,000-Hour LED lifespan, no tubes to replace
- All mounting hardware included for pendant models

Specifications

UL Listing: Suitable for damp locations. Recommended for indoor use only.

LEDs: Discrete LEDs on PCB board

Drivers: 120 - 277V, 0 - 10V dimming down to 10%, 93.7% power factor, 1 kV surge protection

10W: 120V = 0.08A, 208V = 0.06A, 240V = 0.05A, 277 = 0.05A

20W: 120V = 0.16A, 208V = 0.12A, 240V = 0.11A, 277 = 0.10A

40W: 120V = 0.28A, 208V = 0.15A, 240V = 0.14A, 277 = 0.13A

80W: 120V = 0.56A, 208V = 0.30A, 240V = 0.29A, 277 = 0.26A

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

Housing: Precision extruded aluminum

Mounting:

Pendant: 12' of aircraft cable provided with cable grippers for easy adjustment after installation. **Surface:** For direct ceiling and wall mounting

Recessed: Trimless flange for seamless spackling to edge of fixture

Lens: High-transmission, microprismatic acrylic lens for smooth light distribution and uniformity

Finish: Pendant and Surface Mount: Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals. **Recessed Mount:** Natural aluminum

Color Consistency: 3-Step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Uniformity: RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Color Stability: LED color temperature warranted not to shift more than 200K in CCT in 5 years

Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

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

California Title 24: BOA complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and 0-10V dimming control. Select a vacancy sensor using catalog number LVS800. 0-10V dimmer provided by others.

2' Length, 20W

Correlated Color Temp. (CCT)	4000K	3500K	3000K
Input Watts @ 120V	17	17	17
Output Lumens	1470	1248	1230
Lumens per Watt	85	72	70
Color Accuracy (CRI)	84	82	83

4' Length, 40W

Correlated Color Temp. (CCT)	4000K	3500K	3000K
Input Watts @ 120V	34	34	34
Output Lumens	2730	2751	2581
Lumens per Watt	79	80	75
Color Accuracy (CRI)	84	82	83

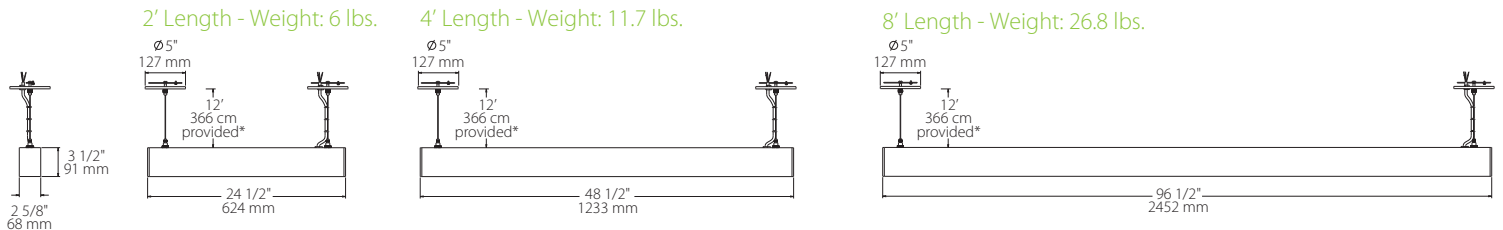
8' Length, 80W

Correlated Color Temp. (CCT)	4000K	3500K	3000K
Input Watts @ 120V	69	68	69
Output Lumens	5461	5352	5161
Lumens per Watt	79	79	75
Color Accuracy (CRI)	84	82	83

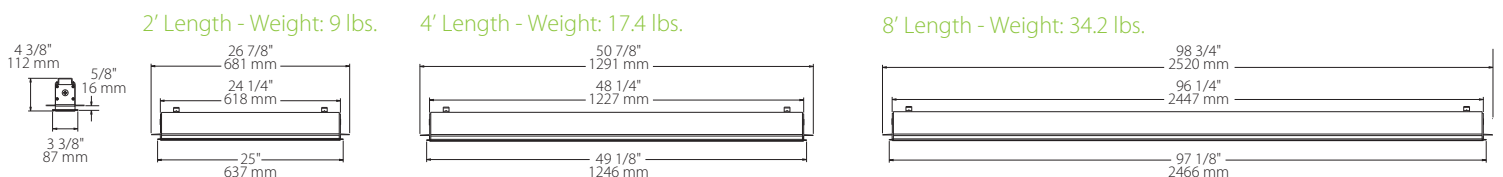
Data for 5W per linear foot models available at rabweb.com

Dimensions & Weight*

PENDANT (for surface mount, disregard pendants)

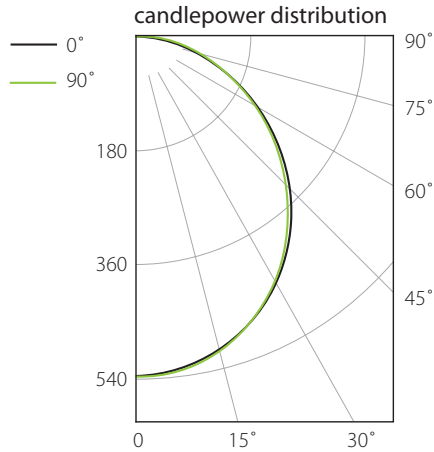


RECESSED/TRIMLESS



*6, 10 and 12 foot lengths available by special request.

2' Length - 20W - 4000K (Photometric Report #RAB00778)



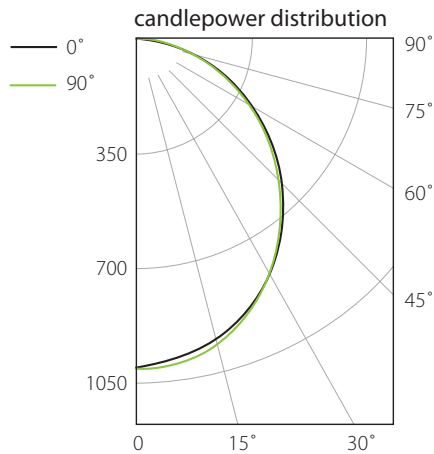
vertical deg.	0.0	22.5	45.0	67.5	90.0
0	537	537	537	537	537
5	532	532	535	537	537
15	511	511	513	513	513
25	470	469	469	467	467
35	414	413	412	410	408
45	340	340	338	335	333
55	261	260	257	255	254
65	177	177	177	175	174
75	98	97	97	97	98
85	29	29	30	30	30
90	3	2	3	3	3

Efficacy: 85 lm/W **Spacing Criteria** 0° - 1.2 90° - 1.2

0- 30	411	28.0%
0- 40	668	45.4%
0- 60	1158	78.8%
0- 90	1470	100.0%
90-180	0	0.0%
0-180	1470	100.0%

angle	0°	45°	90°
45	12586	12512	12327
55	11911	11728	11591
65	10963	10963	10777
75	9911	9810	9911
85	8710	9010	9010

4' Length - 40W - 4000K (Photometric Report #RAB00775)



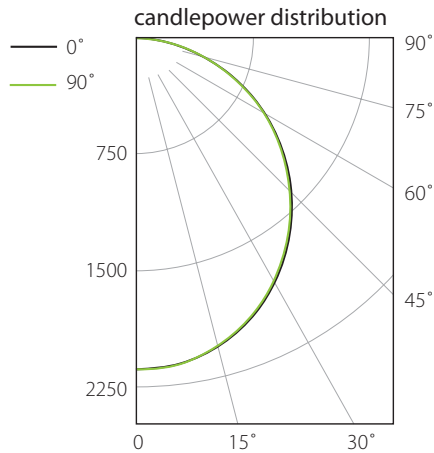
vertical deg.	0.0	22.5	45.0	67.5	90.0
0	1006	1006	1006	1006	1006
5	988	992	1006	1009	1007
15	949	953	964	965	964
25	873	875	881	876	875
35	761	763	764	754	750
45	627	627	624	614	610
55	480	480	475	466	463
65	332	331	328	323	321
75	183	183	182	181	181
85	59	58	59	60	59
90	5	6	7	9	9

Efficacy: 79 lm/W **Spacing Criteria** 0° - 1.2 90° - 1.2

0- 30	769	28.2%
0- 40	1244	45.6%
0- 60	2146	78.6%
0- 90	2729	99.9%
90-180	2	0.1%
0-180	2730	100.0%

angle	0°	45°	90°
45	11731	11675	11413
55	11071	10956	10679
65	10393	10268	10048
75	9354	9303	9252
85	8956	8956	8956

8' Length - 80W - 4000K (Photometric Report #RAB00775MOD)



vertical deg.	0.0	22.5	45.0	67.5	90.0
0	2012	2012	2012	2012	2012
5	1982	1990	2020	2024	2024
15	1898	1906	1928	1930	1928
25	1746	1750	1762	1752	1750
35	1522	1526	1528	1508	1500
45	1254	1254	1248	1228	1220
55	960	960	950	932	926
65	664	662	656	646	642
75	366	366	364	362	362
85	118	116	118	120	118
90	10	12	14	18	18

Efficacy: 79 lm/W **Spacing Criteria** 0° - 1.2 90° - 1.2

0- 30	1538	28.2%
0- 40	2488	45.6%
0- 60	4292	78.6%
0- 90	5457	99.9%
90-180	3	0.1%
0-180	5460	100.0%

angle	0°	45°	90°
45	11694	11638	11377
55	11036	10921	10645
65	10360	10235	10017
75	9324	9273	9222
85	8927	8927	8927



BOA™ recessed linear LED

Ordering Information

Surface or Pendant Mount

Product Family	Length*	Mounting	Wattage (5W/ft or 10W/ft)	Driver	Optics	Color Temperature	Finish Color
BOA				D10	40		
	2 2 ft.	S Surface	10 2ft (5W/ft)	0-10V dimming	40° reflector	N 4000K	W Matte White
	4 4 ft.	P Pendant	20 2ft (10W/ft), 4ft (5W/ft)			YN 3500K	S Matte Silver
	6 6 ft.		30 6ft (5W/ft)			Y 3000K	B Matte Black**
	8 8 ft.		40 4ft (10W/ft), 8ft (5W/ft)				
	10 10 ft.		50 10ft (5W/ft)				
	12 12 ft.		60 6ft (10W/ft), 12ft (5W/ft)				
			80 8ft (10W/ft)				
			100 10ft (10W/ft)				
			120 12ft (10W/ft)				

Recessed (Trimless) Mount - *Rough in and finishing section must both be ordered for a complete luminaire*

ROUGH IN - Housing + Driver

Product Family	Length*	Wattage (5W/ft or 10W/ft)	Driver
BOA			D10
	2 2 ft.	10 2ft (5W/ft)	0-10V dimming
	4 4 ft.	20 2ft (10W/ft), 4ft (5W/ft)	
	6 6 ft.	30 6ft (5W/ft)	
	8 8 ft.	40 4ft (10W/ft), 8ft (5W/ft)	
	10 10 ft.	50 10ft (5W/ft)	
	12 12 ft.	60 6ft (10W/ft), 12ft (5W/ft)	
		80 8ft (10W/ft)	
		100 10ft (10W/ft)	
		120 12ft (10W/ft)	

FINISHING SECTION - LED + Gear Tray + Lens

Product Family	Length*	Optics	Color Temp
BOA		LED	
	2 2 ft.	40 40° reflector	N 4000K
	4 4 ft.		YN 3500K
	6 6 ft.		Y 3000K
	8 8 ft.		
	10 10 ft.		
	12 12 ft.		

*6, 10 and 12 foot lengths available by special request. **Matte Black finish color available by special request.