

FEATURES & SPECIFICATIONS

INTENDED USE — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Compliant friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for 50,000 hours. Indoor and Outdoor Use.

CONSTRUCTION — Aluminum spun reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 Lamp.

Wide flood beam angle at > 45°.

ELECTRICAL — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

600L-lumen E series has an input wattage of 10.3 watts, 58 lumens per watt, equivalent to 65-watt incandescent.

E Series' patent pending driver has zero inrush which allows power loads to be calculated with actual rated wattages.

Example: 65 units of 4BEMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/10.3W = 65 fixtures.

INSTALLATION — Suitable for installation in standard height rough-in sections.

E26 socket adaptor and ships standard.

Friction clips allow fitment into cans with an inside diameter of 4.0" to 4.5".

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Wet location listed. WSEC ASTM E283 for Air-Tight (with IC housings).

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

PATENTS PENDING.

Catalog Number
Notes
Type



LED Recessed Downlighting

4BE

4" LED Module

IC/Non-IC
Retrofit



E26 adaptor
(included)

Specifications

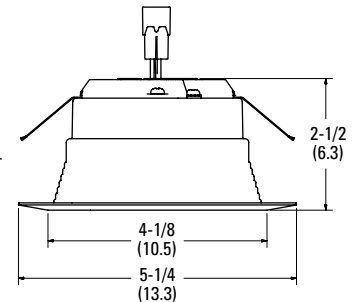
Aperture: 4-1/8 (10.5)

Ceiling opening: Determined by rough-in

Overlap trim: 5-1/4 (13.3)

Height: 2-1/2 (6.3)

All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

All configurations of this product are considered "standard" and have short lead times.

Example: 4BEMW LED 27K L3LED T24

Series/Finish	LED	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Housing Options
4BEMW 4" Baffle LED module, matte white	LED		27K 2700K / 82CRI / 10.3W / 530L 30K 3000K / 82CRI / 10.3W / 570L 40K 4000K / 82CRI / 10.3W / 600L 27K 90CRI 2700K / 90CRI / 9.77W / 600L 30K 90CRI 3000K / 90CRI / 9.71W / 630L 40K 90CRI 4000K / 90CRI / 9.6W / 640L	(blank) 120V	L3LED T24 4" new construction rough-in LED base L3RLED T24 4" remodel rough-in LED base L3 4" new construction rough-in ² L3R 4" remodel rough-in ²

Notes

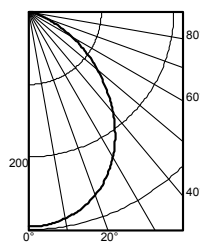
- Total system delivered lumens.
- Must be ordered on a separate line.

4" LED Module

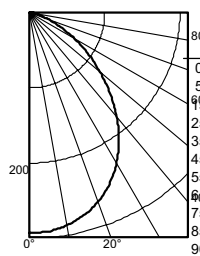
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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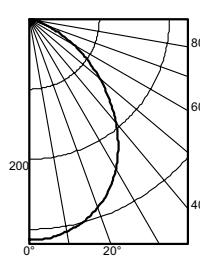
4BEMW LED, 27K, input watts: 11.9, delivered lumens: 623, LM/W = 52, test no. LTL26509, tested in accordance with IESNA LM 79-0

	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 60.7"		10% beam - 101.9"	
	0 296	0° - 30° 222.8 35.8	0	119	119	119	116	116	116	111	111	111				
	5 295 28	0° - 40° 352.3 56.6	1	107	103	100	104	101	98	100	98	95				
	15 281 79	0° - 60° 554.7 89.1	2	95	89	84	93	88	83	90	85	81				
	25 252 116	0° - 90° 622.6 100.0	3	85	78	72	83	77	71	80	75	70				
	35 208 129	90° - 180° 0.0 0.0	4	76	68	62	75	68	62	72	66	61				
	45 152 117	0° - 180° 622.6 *100.0	5	69	61	55	68	60	54	66	59	54				
	55 96 85	*Efficiency	6	63	54	48	62	54	48	60	53	48				
	65 45 46		7	57	49	43	56	49	43	55	48	43				
	75 16 18		8	52	44	39	52	44	39	50	44	39				
	85 4 5		9	48	41	35	48	40	35	47	40	35				
	90 0		10	45	37	32	44	37	32	43	37	32				

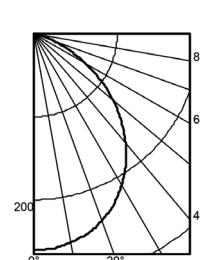
4BEMW LED, 30K, input watts: 10.8, delivered lumens: 621, LM/W = 58, test no. LTL26510, tested in accordance with IESNA LM 79-08

	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 61.0"		10% beam - 102.0"	
	0 293	0° - 30° 221.7 35.7	0	119	119	119	116	116	116	111	111	111				
	5 292 28	0° - 40° 350.8 56.4	1	107	103	100	104	101	98	100	97	95				
	15 279 79	0° - 60° 552.6 88.9	2	95	89	84	93	88	83	90	85	81				
	25 251 115	0° - 90° 621.4 100.0	3	85	78	72	83	77	71	80	75	70				
	35 207 129	90° - 180° 0.0 0.0	4	76	68	62	75	68	62	72	66	61				
	45 152 117	0° - 180° 621.4 *100.0	5	69	61	55	68	60	54	66	59	54				
	55 95 85	*Efficiency	6	62	54	48	62	54	48	60	53	48				
	65 46 46		7	57	49	43	56	49	43	55	48	43				
	75 16 18		8	52	44	39	52	44	39	50	44	39				
	85 4 5		9	48	41	35	48	40	35	47	40	35				
	90 0		10	45	37	32	44	37	32	43	37	32				

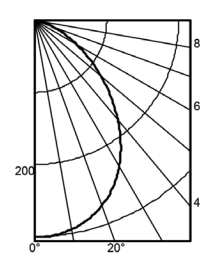
4BEMW LED, 40K, 10.8, delivered lumens: 663, LM/W = 61, test no. LTL26511, tested in accordance with IESNA LM 79-08

	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 60.8"		10% beam - 101.8"	
	0 315	0° - 30° 237.4 35.8	0	119	119	119	116	116	116	111	111	111				
	5 314 30	0° - 40° 375.4 56.6	1	107	103	100	104	101	98	100	98	95				
	15 299 84	0° - 60° 590.5 89.1	2	95	89	84	93	88	83	90	85	81				
	25 269 124	0° - 90° 662.9 100.0	3	85	78	72	83	77	71	80	75	70				
	35 221 138	90° - 180° 0.0 0.0	4	76	68	62	75	68	62	73	66	61				
	45 162 124	0° - 180° 662.9 *100.0	5	69	61	55	68	60	54	66	59	54				
	55 102 91	*Efficiency	6	63	54	48	62	54	48	60	53	48				
	65 49 49		7	57	49	43	56	49	43	55	48	43				
	75 17 19		8	52	44	39	52	44	39	50	44	39				
	85 4 5		9	48	41	35	48	40	35	47	40	35				
	90 0		10	45	37	32	44	37	32	43	37	32				

4BEMW LED, 27K, 90CRI, input watts: 9.28, delivered lumens:590, LM/W=64, test no. LTL28948P1, tested in accordance with IESNA LM79-08

	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 62.1"		10% beam - 104.4"	
	0 261	0° - 30° 199.1 33.7	0	119	119	119	116	116	116	111	111	111				
	5 260 25	0° - 40° 319.1 54.1	1	106	103	99	104	101	98	100	97	95				
	15 249 70	0° - 60° 521.0 88.3	2	94	88	83	93	87	82	89	84	81				
	25 227 104	0° - 90° 589.9 100.0	3	84	77	71	83	76	70	80	74	69				
	35 192 120	90° - 180° 0.0 0.0	4	75	67	61	74	67	61	72	65	60				
	45 148 114	0° - 180° 589.9 *100.0	5	68	60	53	67	59	53	65	58	53				
	55 98 88	*Efficiency	6	61	53	47	61	53	47	59	52	47				
	65 47 47		7	56	48	42	55	47	42	54	47	42				
	75 15 17		8	51	43	38	51	43	38	49	42	37				
	85 4 5		9	47	39	34	47	39	34	46	39	34				
	90 0		10	44	36	31	43	36	31	42	36	31				

4BEMW LED, 30K, 90CRI, input watts: 9.7, delivered lumens: 625, LM/W=64, test no. LTL28947P1, tested in accordance with IESNA LM79-08

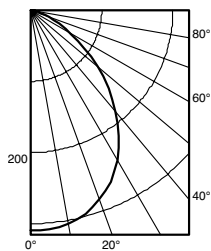
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 60.5"		10% beam - 101.0"	
	0 301	0° - 30° 226.8 36.3	0	119	119	119	116	116	116	111	111	111				
	5 300 28	0° - 40° 356.7 57.1	1	107	103	100	104	101	98	100	97	95				
	15 286 81	0° - 60° 554.6 88.7	2	95	89	84	93	88	83	90	85	81				
	25 256 118	0° - 90° 624.9 100.0	3	85	78	72	83	77	71	80	75	70				
	35 208 130	90° - 180° 0.0 0.0	4	76	68	62	75	68	62	73	66	61				
	45 149 115	0° - 180° 624.9 *100.0	5	69	61	55	68	60	55	66	59	54				
	55 93 83	*Efficiency	6	63	54	49	62	54	48	60	53	48				
	65 46 46		7	57	49	44	56	49	43	55	48	43				
	75 17 19		8	53	45	39	52	44	39	51	44	39				
	85 4 5		9	49	41	36	48	41	36	47	40	35				
	90 0		10	45	38	33	44	37	33	43	37	32				

4" LED Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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4BEMW LED, 40K, input watts: 9.63, delivered lumens: 640, LM/W = 66.46, test no. ISF30028, tested in accordance with IESNA LM79-08



Ave Lumens		Zone Lumens % Lamp		pf pc pw		80%			70%			50%			50% beam - 60.7°		10% beam - 101.0°	
0	310	0°-30°	234.6 36.6	0	119	119	119	116	116	116	111	111	111	111	8.0	10.2	6.4	5.1
5	309	0°-40°	369.2 57.7	1	107	103	100	104	101	98	100	98	95	95	10.0	5.5	8.8	2.8
15	297	0°-60°	571.6 89.3	2	95	89	84	93	88	83	90	85	82	82	12.0	3.4	11.1	1.7
25	266	0°-90°	640.0 100.0	3	85	78	72	84	77	72	81	75	70	70	14.0	2.3	13.5	1.2
35	216	90°-180°	0.0 0.0	4	77	69	63	75	68	62	73	67	62	62	16.0	1.7	15.8	0.9
45	154	0°-180°	640.0 *100.0	5	69	61	55	68	61	55	66	59	54	54				
55	93	*Efficiency		6	63	55	49	62	54	49	60	53	48	48				
65	45			7	58	49	44	57	49	44	55	48	43	43				
75	17			8	53	45	40	52	45	39	51	44	39	39				
85	4			9	49	41	36	48	41	36	47	40	36	36				
90	0			10	45	38	33	45	38	33	44	37	33	33				

ADDITIONAL DATA 4BEMW LED 27K

ENERGY DATA*		
	CRI - 82	CRI - 90
Lumens	530L	600L
Min. starting temp	-18°C (0°F)	
Max. temp	46°C (115°F)	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	
Sound rating	A standards	
Input voltage	120V	
Min. power factor	0.99	
Input frequency	50/60 Hz	
Rated wattage	10.3W	9.71W
Input power	10.3W	9.71W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 4BEMW LED 30K

ENERGY DATA*		
	CRI - 82	CRI - 90
Lumens	570L	600L
Min. starting temp	-18°C (0°F)	
Max. temp	46°C (115°F)	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	
Sound rating	A standards	
Input voltage	120V	
Min. power factor	0.99	
Input frequency	50/60 Hz	
Rated wattage	10.3W	9.71W
Input power	10.3W	9.71W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 4BEMW LED 40K

ENERGY DATA*	
	CRI - 82
Lumens	600L
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60 Hz
Rated wattage	10.3W
Input power	10.3W
Input current	.11A

*Values at non-dimming line voltage.

4" LED Module

LIGHTING FACTS

