

Catalog Number
Notes
Type

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 35,000 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.



LED Recessed Downlighting

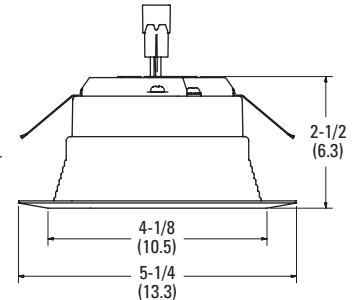
4BE

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

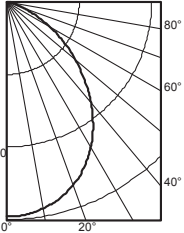
Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Housing Options
4BEMW 4" Baffle LED module, matte white	LED	27K 2700K / 82CRI / 10.3W / 530L	(blank) 120V	L3LED T24 4" new construction rough-in LED base
		30K 3000K / 82CRI / 10.3W / 570L		L3RLED T24 4" remodel rough-in LED base
		40K 4000K / 82CRI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

Notes

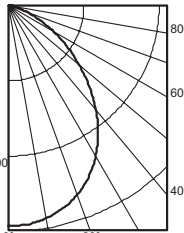
- Total system delivered lumens.
- Must be ordered on a separate line.

4" LED Module

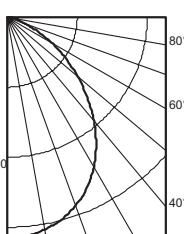
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire			
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10% 20% 70% 50% 30% 10% 50% 30% 10%	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	Initial FC
	5 295 28	0° - 40° 352.3 56.6	1	107 103 100	104 101 98	100 98 95	Mounting Center
	15 281 79	0° - 60° 554.7 89.1	2	95 89 84	93 88 83	90 85 81	Height Beam Diameter FC Diameter FC
	25 252 116	0° - 90° 622.6 100.0	3	85 78 72	83 77 71	80 75 70	8.0 9.8 6.4 4.9 13.6 1.0
	35 208 129	90° - 180° 0.0 0.0	4	76 68 62	75 68 62	72 66 61	10.0 5.3 8.8 2.6 18.5 0.5
	45 152 117	0° - 180° 622.6 *100.0	5	69 61 55	68 60 54	66 59 54	12.0 3.3 11.1 1.6 23.4 0.3
	55 96 85	*Efficiency	6	63 54 48	62 54 48	60 53 48	14.0 2.2 13.5 1.1 28.3 0.2
	65 45 46		7	57 49 43	56 49 43	55 48 43	16.0 1.6 15.8 0.8 33.3 0.2
	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		

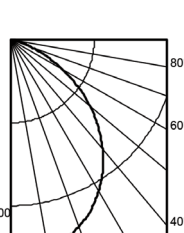
4BEMW LED, 27K, input watts: 11.9, delivered lumens: 623, LM/W = 52, test no. LTL26509, tested in accordance with IESNA LM 79-0

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire			
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10% 20% 70% 50% 30% 10% 50% 30% 10%	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	Initial FC
	5 292 28	0° - 40° 350.8 56.4	1	107 103 100	104 101 98	100 97 95	Mounting Center
	15 279 79	0° - 60° 552.6 88.9	2	95 89 84	93 88 83	90 85 81	Height Beam Diameter FC Diameter FC
	25 251 115	0° - 90° 621.4 100.0	3	85 78 72	83 77 71	80 75 70	8.0 9.7 6.5 4.8 13.6 1.0
	35 207 129	90° - 180° 0.0 0.0	4	76 68 62	75 68 62	72 66 61	10.0 5.2 8.8 2.6 18.5 0.5
	45 152 117	0° - 180° 621.4 *100.0	5	69 61 55	68 60 54	66 59 54	12.0 3.2 11.2 1.6 23.5 0.3
	55 95 85	*Efficiency	6	62 54 48	62 54 48	60 53 48	14.0 2.2 13.5 1.1 28.4 0.2
	65 46 46		7	57 49 43	56 49 43	55 48 43	16.0 1.6 15.9 0.8 33.3 0.2
	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		

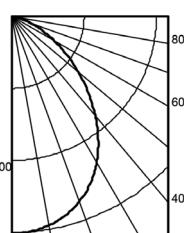
4BEMW LED, 30K, input watts: 10.8, delivered lumens: 621, LM/W = 58, test no. LTL26510, tested in accordance with IESNA LM 79-08

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire			
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10% 20% 70% 50% 30% 10% 50% 30% 10%	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	Initial FC
	5 314 30	0° - 40° 375.4 56.6	1	107 103 100	104 101 98	100 98 95	Mounting Center
	15 299 84	0° - 60° 590.5 89.1	2	95 89 84	93 88 83	90 85 81	Height Beam Diameter FC Diameter FC
	25 269 124	0° - 90° 662.9 100.0	3	85 78 72	83 77 71	80 75 70	8.0 10.4 6.4 5.2 13.5 1.0
	35 221 138	90° - 180° 0.0 0.0	4	76 68 62	75 68 62	73 66 61	10.0 5.6 8.8 2.8 18.4 0.6
	45 162 124	0° - 180° 662.9 *100.0	5	69 61 55	68 60 54	66 59 54	12.0 3.5 11.1 1.7 23.4 0.4
	55 102 91	*Efficiency	6	63 54 48	62 54 48	60 53 48	14.0 2.4 13.5 1.2 28.3 0.2
	65 49 49		7	57 49 43	56 49 43	55 48 43	16.0 1.7 15.8 0.9 33.2 0.2
	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, 40K, 10.8, delivered lumens: 663, LM/W = 61, test no. LTL26511, tested in accordance with IESNA LM 79-08

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire			
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10% 20% 70% 50% 30% 10% 50% 30% 10%	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	Initial FC
	5 260 25	0° - 40° 319.1 54.1	1	106 103 99	104 101 98	100 97 95	Mounting Center
	15 249 70	0° - 60° 521.0 88.3	2	94 88 83	93 87 82	89 84 81	Height Beam Diameter FC Diameter FC
	25 227 104	0° - 90° 589.9 100.0	3	84 77 71	83 76 70	80 74 69	8.0 8.6 6.6 4.3 14.2 0.9
	35 192 120	90° - 180° 0.0 0.0	4	75 67 61	74 67 61	72 65 60	10.0 4.6 9.0 2.3 19.3 0.5
	45 148 114	0° - 180° 589.9 *100.0	5	68 60 53	67 59 53	65 58 53	12.0 2.9 11.4 1.4 24.5 0.3
	55 98 88	*Efficiency	6	61 53 47	61 53 47	59 52 47	14.0 2.0 13.8 1.0 29.6 0.2
	65 47 47		7	56 48 42	55 47 42	54 47 42	16.0 1.4 16.2 0.7 34.8 0.1
	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, 27K, 90CRI, input watts: 9.28, delivered lumens: 590, LM/W=64, test no. LTL28948P1, tested in accordance with IESNA LM79-08

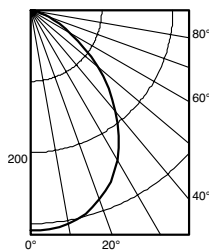
Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire			
	Ave Lumens	Zone Lumens % Lamp	pf pc pw	80% 50% 30% 10% 20% 70% 50% 30% 10% 50% 30% 10%	50% beam - 60.5° 10% beam - 101.0°		
	0 301	0° - 30° 226.8 36.3	0	119 119 119	116 116 116	111 111 111	Initial FC
	5 300 28	0° - 40° 356.7 57.1	1	107 103 100	104 101 98	100 97 95	Mounting Center
	15 286 81	0° - 60° 554.6 88.7	2	95 89 84	93 88 83	90 85 81	Height Beam Diameter FC Diameter FC
	25 256 118	0° - 90° 624.9 100.0	3	85 78 72	83 77 71	80 75 70	8.0 10.0 6.4 5.0 13.3 1.0
	35 208 130	90° - 180° 0.0 0.0	4	76 68 62	75 68 62	73 66 61	10.0 5.4 8.7 2.7 18.2 0.5
	45 149 115	0° - 180° 624.9 *100.0	5	69 61 55	68 60 55	66 59 54	12.0 3.3 11.1 1.7 23.0 0.3
	55 93 83	*Efficiency	6	63 54 49	62 54 48	60 53 48	14.0 2.3 13.4 1.1 27.9 0.2
	65 46 46		7	57 49 44	56 49 43	55 48 43	16.0 1.7 15.7 0.8 32.8 0.2
	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	80%			70%			50%		
0	310	0°-30°	234.6 36.6	0	50%	30%	10%	50%	30%	10%	50%	30%	10%
5	309 29	0°-40°	369.2 57.7	1	107	103	100	104	101	98	100	98	95
15	297 83	0°-60°	571.6 89.3	2	95	89	84	93	88	83	90	85	82
25	266 122	0°-90°	640.0 100.0	3	85	78	72	84	77	72	81	75	70
35	216 135	90°-180°	0.0 0.0	4	77	69	63	75	68	62	73	67	62
45	154 119	0°-180°	640.0 *100.0	5	69	61	55	68	61	55	66	59	54
55	93 84	*Efficiency		6	63	55	49	62	54	49	60	53	48
65	45 45			7	58	49	44	57	49	44	55	48	43
75	17 18			8	53	45	40	52	45	39	51	44	39
85	4 5			9	49	41	36	48	41	36	47	40	36
90	0			10	45	38	33	45	38	33	44	37	33

Initial FC		50% beam - 60.7°		10% beam - 101.0°	
Mounting Height	Center Beam Diameter FC	Diameter FC	FC	Diameter FC	FC
8.0	10.2	6.4	5.1	13.3	1.0
10.0	5.5	8.8	2.8	18.2	0.5
12.0	3.4	11.1	1.7	23.0	0.3
14.0	2.3	13.5	1.2	27.9	0.2
16.0	1.7	15.8	0.9	32.7	0.2

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

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	530
Watts	10.6
Lumens per Watt (Efficacy)	50

Color Accuracy Color Rendering Index (CRI)	81
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Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-8KZSB6 (11/11/2014)
Model Number: 4BEMW LED 27K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	570
Watts	10.6
Lumens per Watt (Efficacy)	53.77

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-WWYSEU (11/11/2014)
Model Number: 4BEMW LED 30K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	600
Watts	10.6
Lumens per Watt (Efficacy)	56.6

Color Accuracy Color Rendering Index (CRI)	84
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Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-D10TPW (11/11/2014)
Model Number: 4BEMW LED 40K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	600
Watts	9.77
Lumens per Watt (Efficacy)	61.41

Color Accuracy Color Rendering Index (CRI)	90
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Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-DP5GK3 (9/24/2015)
Model Number: 4BEMW LED 27K 90CRI
Type: Retrofit Kit - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	630
Watts	9.71
Lumens per Watt (Efficacy)	64.88

Color Accuracy Color Rendering Index (CRI)	91
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Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-YDALTI (9/24/2015)
Model Number: 4BEMW LED 30K 90CRI
Type: Retrofit Kit - Downlight

Lithonia Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	640
Watts	9.63
Lumens per Watt (Efficacy)	66.46

Color Accuracy Color Rendering Index (CRI)	93
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Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: JB22-MZHJAP (Revised 2/11/2016)
Model Number: 4BEMW LED 40K 90CRI
Type: Retrofit Kit - Downlight