

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. Adjustable friction clip allows fitment into many 3" to 4" 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 or optional smooth 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](#).

E Series has an input wattage of 8W.

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

Example: 66 units of 43BEMW LED fixtures can be installed with a 600-watt dimmer. 600W/9W = 66 fixtures can be installed in line.

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

E26 socket adapter, GU10 adapter ships standard.

Adjustable friction clips ensure easy installation for most of 3" to 4" recessed housing.

**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](http://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

# 43BE

3" / 4" LED Module

IC/Non-IC  
Retrofit



E26 adapter  
(included)

GU10 adapter

#### Specifications

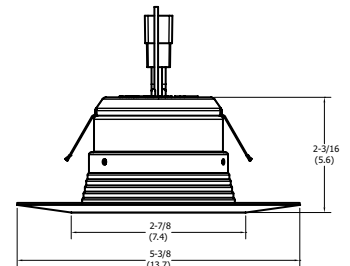
Aperture: 2-7/8 (7.4)

Ceiling opening: Determined by rough-in

Overlap trim: 5-3/8 (13.7)

Height: 2-3/16 (5.6)

All dimensions are inches (centimeters) unless otherwise indicated.



#### ORDERING INFORMATION

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

**Example: 43BEMW LED 27K**

Series/Finish	Lamp	CCT / CRI / W / Lumens <sup>1</sup>	Voltage	Housing Options
<b>43BEMW</b> 3" / 4" baffle LED module, matte white	<b>LED</b>	<b>27K</b> 2700K / 80CRI / 8.3W / 570L <b>30K</b> 3000K / 80CRI / 8.5W / 590L <b>40K</b> 4000K / 80CRI / 8W / 600L	(blank) 120V	<b>L3LED T24</b> 4" new construction rough-in LED base <b>L3RLED T24</b> 4" remodel rough-in LED base <b>L3</b> 4" new construction rough-in <sup>2</sup> <b>L3R</b> 4" remodel rough-in <sup>2</sup> <b>IC1</b> 4" IC new construction housing <sup>2</sup> <b>L2XLED T24</b> 3" new construction rough-in LED base <b>L2XRLED T24</b> 3" remodel rough-in LED Base
<b>43SEMW</b> 3" / 4" smooth LED module, matte white				

#### Notes

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

# 3" / 4" LED Module

## PHOTOMETRICS

### Distribution Curve

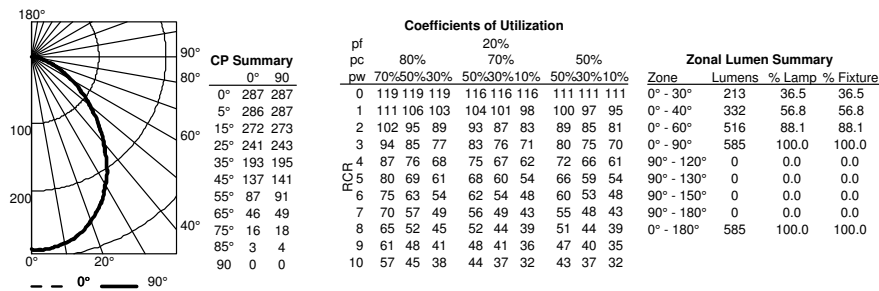
### Distribution Data

### Output Data

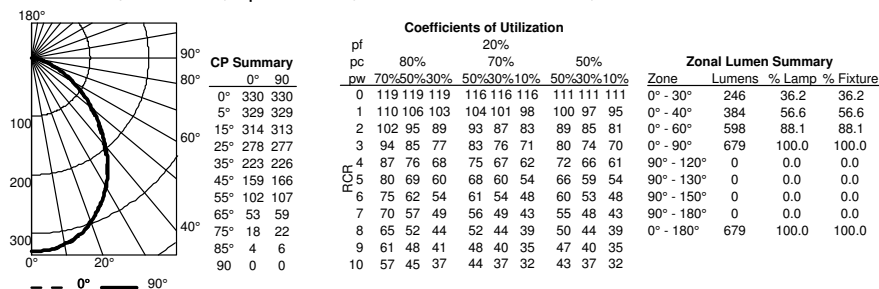
### Coefficient of Utilization

### Illuminance Data at 30" Above Floor for a Single Luminaire

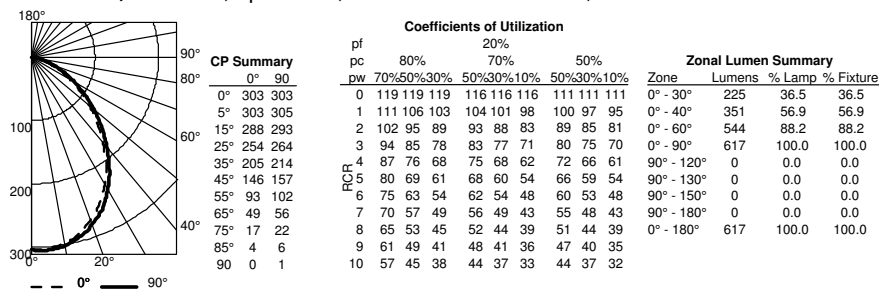
**43BEMW LED, 2700 K LEDs, input watts:8.3, delivered lumens 570 L/W=68, test no. ISF31184**



**43BEMW LED, 3000 K LEDs, input watts:8.5, delivered lumens 590 L/W 69, test no. ISF 30854**



**43BEMW LED, 4000 K LEDs, input watts 8, delivered lumens 600 L/W=75, test no. ISF 31181**



## ADDITIONAL DATA 43BEMW LED 27K

ENERGY DATA*	
Lumens	570
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	1
Input frequency	50/60 Hz
Rated wattage	8.3W
Input power	8.3W
Input current	.07A

\*Values at non-dimming line voltage.

## ADDITIONAL DATA 43BEMW LED 30K

ENERGY DATA*	
Lumens	590
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	1
Input frequency	50/60 Hz
Rated wattage	8.5W
Input power	8.5W
Input current	.06A

\*Values at non-dimming line voltage.

## ADDITIONAL DATA 43BEMW LED 40K

ENERGY DATA*	
Lumens	600
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	1
Input frequency	50/60 Hz
Rated wattage	8W
Input power	8W
Input current	.07A

\*Values at non-dimming line voltage.

# 3" / 4" LED Module

## PHOTOMETRICS

Distribution Curve

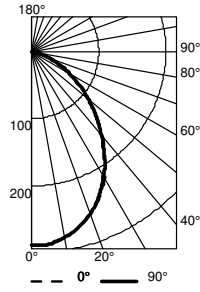
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

### 43SEMW LED



**CP Summary**

Angle	0°	90°
0°	288	288
5°	287	288
15°	271	271
25°	240	237
35°	191	189
45°	137	135
55°	88	88
65°	47	46
75°	16	16
85°	4	4
90°	0	0

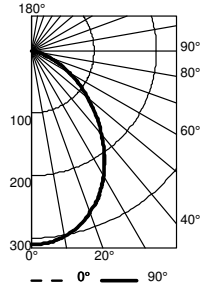
**Coefficients of Utilization**

pc	20%								
	80%		70%		50%				
pw	70%	50%	30%	30%	10%	50%			
0	119	119	119	116	116	116	111	111	111
1	111	106	103	104	101	98	100	97	95
2	102	95	89	93	88	83	89	85	81
3	94	85	77	83	76	71	80	75	70
4	87	76	68	75	67	62	72	66	61
5	80	69	61	68	60	54	66	59	54
6	75	62	54	62	54	48	60	53	48
7	70	57	49	56	49	43	55	48	43
8	65	52	45	52	44	39	51	44	39
9	61	48	41	48	40	35	47	40	35
10	57	45	37	44	37	32	43	37	32

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	213	36.4	36.4
0° - 40°	332	56.6	56.6
0° - 60°	517	88.2	88.2
0° - 90°	587	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	587	100.0	100.0

### 43SEMW LED



**CP Summary**

Angle	0°	90°
0°	310	310
5°	309	309
15°	292	291
25°	258	255
35°	205	203
45°	146	146
55°	93	93
65°	47	47
75°	16	16
85°	3	3
90°	0	0

**Coefficients of Utilization**

pc	20%								
	80%		70%		50%				
pw	70%	50%	30%	30%	10%	50%			
0	119	119	119	116	116	116	111	111	111
1	111	107	103	104	101	98	100	97	95
2	102	95	89	93	88	83	90	85	81
3	94	85	78	83	77	71	80	75	70
4	87	76	68	75	68	62	72	66	61
5	80	69	61	68	60	54	66	59	54
6	75	63	54	62	54	48	60	53	48
7	70	57	49	56	49	43	55	48	43
8	65	53	45	52	44	39	51	44	39
9	61	48	41	48	41	36	47	40	35
10	57	45	38	44	37	32	43	37	32

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	230	36.4	36.4
0° - 40°	358	56.8	56.8
0° - 60°	558	88.4	88.4
0° - 90°	631	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	631	100.0	100.0

# 3" / 4" LED Module

## LIGHTING FACTS

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

**Light Output (Lumens)** 570  
**Watts** 8.3  
**Lumens per Watt (Efficacy)** 68.67

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 2700 (Warm White)

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-4542MQ (Revised 5/12/2016)  
Model Number: 43BEMW LED 27K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 590  
**Watts** 8.5  
**Lumens per Watt (Efficacy)** 69.41

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 3000 (Bright White)

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-2P9KM3 (Revised 5/12/2016)  
Model Number: 43BEMW LED 30K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 600  
**Watts** 8  
**Lumens per Watt (Efficacy)** 75

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 4000 (Bright White)

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-7DKIEW (6/9/2016)  
Model Number: 43BEMW LED 40K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 570  
**Watts** 8.3  
**Lumens per Watt (Efficacy)** 68.67

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 2700 (Warm White)

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-OEJR1 (Revised 5/12/2016)  
Model Number: 43SEMW LED 27K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 590  
**Watts** 8.5  
**Lumens per Watt (Efficacy)** 69.41

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 3000 (Bright White)

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-8656U8 (Revised 5/12/2016)  
Model Number: 43SEMW LED 30K  
Type: Luminaire - Downlight

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

**Light Output (Lumens)** 600  
**Watts** 8  
**Lumens per Watt (Efficacy)** 75

**Color Accuracy**  
Color Rendering Index (CRI) 80

**Light Color**  
Correlated Color Temperature (CCT) 4000 (Bright White)

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.

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Registration Number: NJSM-BQ3NJF (6/9/2016)  
Model Number: 43SEMW LED 40K  
Type: Luminaire - Downlight