

| |
|----------------|
| 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 regression 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](#).

700-lumen E series has an input wattage of 10 watts, 70 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: 60 units of 4BEMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/10W = 60 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. Can be used to comply with California Title 24 Part 6 High Efficacy LED Light Source Requirements. 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/4SE



4BEMW



4SEMW

4" LED Module
IC/Non-IC
Retrofit



E26 adaptor
(included)

Specifications

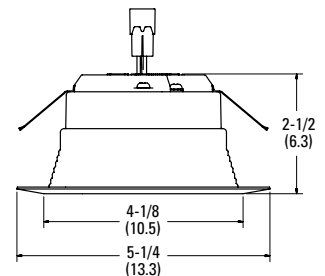
Aperture: 4-1/8 (10.5)

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 90CRI L3LED T24

| Series/Finish | LED | | CRI | Voltage | Housing Options |
|---|------|-------------------------------|-------------|--------------|---|
| | Lamp | CCT / W / Lumens ¹ | | | |
| 4BEMW 4" Baffle LED module, matte white | LED | 27K 2700K / 9.8W / 650L | 90CRI 90CRI | (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 IC1 4" new construction housing ² |
| 4SEMW 4" Smooth LED module, matte white | | 30K 3000K / 9.8W / 700L | | | |
| | | 35K 3500K / 10W / 700L | | | |
| | | 40K 4000K / 9.8W / 720L | | | |
| | | 50K 5000K / 9.8W / 700L | | | |

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 |
|--------------------|-------------------|-------------|----------------------------|--|
|--------------------|-------------------|-------------|----------------------------|--|

4BEMW LED, 27K, input watts: 9.8, delivered lumens: 656, LM/W = 66, test no. ISF 35431, tested in accordance with IESNA LM 79-08

| Distribution Curve | Ave Lumens | | | Zone Lumens % Lamp | | | pf pc pw | 80% | | | 20% | | | 50% | | | 50% beam - 59.8° | 10% beam - 100.2° |
|--------------------|------------|--------|-----|--------------------|--------|--------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|----------------------|
| | Ave | Lumens | | Zone | Lumens | % Lamp | | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | | |
| | 0 | 330 | | 0° - 30° | 246.3 | 37.6 | | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | | |
| | 5 | 329 | 31 | 0° - 40° | 385.5 | 58.8 | 1 | 107 | 103 | 100 | 105 | 101 | 99 | 100 | 98 | 95 | | |
| | 15 | 312 | 88 | 0° - 60° | 591.1 | 90.1 | 2 | 95 | 90 | 85 | 94 | 88 | 84 | 90 | 86 | 82 | | |
| | 25 | 278 | 127 | 0° - 90° | 655.8 | 100.0 | 3 | 86 | 79 | 73 | 84 | 78 | 72 | 81 | 76 | 71 | | |
| | 35 | 224 | 139 | 90° - 120° | 0.0 | 0.0 | 4 | 77 | 69 | 63 | 76 | 69 | 63 | 73 | 67 | 62 | | |
| | 45 | 158 | 122 | 90° - 130° | 0.0 | 0.0 | 5 | 70 | 62 | 56 | 69 | 61 | 56 | 67 | 60 | 55 | | |
| | 55 | 94 | 84 | 90° - 150° | 0.0 | 0.0 | 6 | 64 | 55 | 50 | 63 | 55 | 49 | 61 | 54 | 49 | | |
| | 65 | 41 | 42 | 90° - 180° | 0.0 | 0.0 | 7 | 58 | 50 | 45 | 57 | 50 | 44 | 56 | 49 | 44 | | |
| | 75 | 16 | 18 | 0° - 180° | 655.8 | *100.0 | 8 | 53 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 40 | | |
| | 85 | 5 | 5 | | | | 9 | 49 | 42 | 37 | 49 | 41 | 37 | 48 | 41 | 36 | | |
| | 90 | 0 | | | | | 10 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | | |

| Initial FC | | 50% beam - 59.8° | | 10% beam - 100.2° | |
|--------------------|----------------|---------------------|-----|----------------------|-----|
| Mounting Height | Center Beam | Diameter | FC | Diameter | FC |
| 8.0 | 10.9 | 6.3 | 5.5 | 13.1 | 1.1 |
| 10.0 | 5.9 | 8.6 | 2.9 | 17.9 | 0.6 |
| 12.0 | 3.7 | 10.9 | 1.8 | 22.7 | 0.4 |
| 14.0 | 2.5 | 13.2 | 1.2 | 27.5 | 0.2 |
| 16.0 | 1.8 | 15.5 | 0.9 | 32.3 | 0.2 |

4BEMW LED, 30K, input watts: 9.8, delivered lumens: 706, LM/W = 71, test no. ISF 35431P1, tested in accordance with IESNA LM 79-08

| Distribution Curve | Ave Lumens | | | Zone Lumens % Lamp | | | pf pc pw | 80% | | | 20% | | | 50% | | | 50% beam - 59.8° | 10% beam - 100.2° |
|--------------------|------------|--------|-----|--------------------|--------|--------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|----------------------|
| | Ave | Lumens | | Zone | Lumens | % Lamp | | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | | |
| | 0 | 355 | | 0° - 30° | 265.3 | 37.6 | | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | | |
| | 5 | 355 | 34 | 0° - 40° | 415.1 | 58.8 | 1 | 107 | 103 | 100 | 105 | 101 | 99 | 100 | 98 | 95 | | |
| | 15 | 336 | 95 | 0° - 60° | 636.5 | 90.1 | 2 | 95 | 90 | 85 | 94 | 88 | 84 | 90 | 86 | 82 | | |
| | 25 | 299 | 137 | 0° - 90° | 706.3 | 100.0 | 3 | 86 | 79 | 73 | 84 | 78 | 72 | 81 | 76 | 71 | | |
| | 35 | 241 | 150 | 90° - 120° | 0.0 | 0.0 | 4 | 77 | 69 | 63 | 76 | 69 | 63 | 73 | 67 | 62 | | |
| | 45 | 170 | 131 | 90° - 130° | 0.0 | 0.0 | 5 | 70 | 62 | 56 | 69 | 61 | 56 | 67 | 60 | 55 | | |
| | 55 | 101 | 90 | 90° - 150° | 0.0 | 0.0 | 6 | 64 | 55 | 50 | 63 | 55 | 49 | 61 | 54 | 49 | | |
| | 65 | 44 | 45 | 90° - 180° | 0.0 | 0.0 | 7 | 58 | 50 | 45 | 57 | 50 | 44 | 56 | 49 | 44 | | |
| | 75 | 17 | 19 | 0° - 180° | 706.3 | *100.0 | 8 | 53 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 40 | | |
| | 85 | 5 | 6 | | | | 9 | 49 | 42 | 37 | 49 | 41 | 37 | 48 | 41 | 36 | | |
| | 90 | 0 | | | | | 10 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | | |

| Initial FC | | 50% beam - 59.8° | | 10% beam - 100.2° | |
|--------------------|----------------|---------------------|-----|----------------------|-----|
| Mounting Height | Center Beam | Diameter | FC | Diameter | FC |
| 8.0 | 11.7 | 6.3 | 5.9 | 13.1 | 1.2 |
| 10.0 | 6.3 | 8.6 | 3.2 | 17.9 | 0.6 |
| 12.0 | 3.9 | 10.9 | 2.0 | 22.7 | 0.4 |
| 14.0 | 2.7 | 13.2 | 1.3 | 27.5 | 0.3 |
| 16.0 | 1.9 | 15.5 | 1.0 | 32.3 | 0.2 |

4BEMW LED, 35K, input watts: 9.8, delivered lumens: 706, LM/W = 70, test no. ISF 35431P2, tested in accordance with IESNA LM 79-08

| Distribution Curve | Ave Lumens | | | Zone Lumens % Lamp | | | pf pc pw | 80% | | | 20% | | | 50% | | | 50% beam - 59.8° | 10% beam - 100.2° |
|--------------------|------------|--------|-----|--------------------|--------|--------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|----------------------|
| | Ave | Lumens | | Zone | Lumens | % Lamp | | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | | |
| | 0 | 355 | | 0° - 30° | 265.3 | 37.6 | | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | | |
| | 5 | 355 | 34 | 0° - 40° | 415.1 | 58.8 | 1 | 107 | 103 | 100 | 105 | 101 | 99 | 100 | 98 | 95 | | |
| | 15 | 336 | 95 | 0° - 60° | 636.5 | 90.1 | 2 | 95 | 90 | 85 | 94 | 88 | 84 | 90 | 86 | 82 | | |
| | 25 | 299 | 137 | 0° - 90° | 706.3 | 100.0 | 3 | 86 | 79 | 73 | 84 | 78 | 72 | 81 | 76 | 71 | | |
| | 35 | 241 | 150 | 90° - 120° | 0.0 | 0.0 | 4 | 77 | 69 | 63 | 76 | 69 | 63 | 73 | 67 | 62 | | |
| | 45 | 170 | 131 | 90° - 130° | 0.0 | 0.0 | 5 | 70 | 62 | 56 | 69 | 61 | 56 | 67 | 60 | 55 | | |
| | 55 | 101 | 90 | 90° - 150° | 0.0 | 0.0 | 6 | 64 | 55 | 50 | 63 | 55 | 49 | 61 | 54 | 49 | | |
| | 65 | 44 | 45 | 90° - 180° | 0.0 | 0.0 | 7 | 58 | 50 | 45 | 57 | 50 | 44 | 56 | 49 | 44 | | |
| | 75 | 17 | 19 | 0° - 180° | 706.3 | *100.0 | 8 | 53 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 40 | | |
| | 85 | 5 | 6 | | | | 9 | 49 | 42 | 37 | 49 | 41 | 37 | 48 | 41 | 36 | | |
| | 90 | 0 | | | | | 10 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | | |

| Initial FC | | 50% beam - 59.8° | | 10% beam - 100.2° | |
|--------------------|----------------|---------------------|-----|----------------------|-----|
| Mounting Height | Center Beam | Diameter | FC | Diameter | FC |
| 8.0 | 11.7 | 6.3 | 5.9 | 13.1 | 1.2 |
| 10.0 | 6.3 | 8.6 | 3.2 | 17.9 | 0.6 |
| 12.0 | 3.9 | 10.9 | 2.0 | 22.7 | 0.4 |
| 14.0 | 2.7 | 13.2 | 1.3 | 27.5 | 0.3 |
| 16.0 | 1.9 | 15.5 | 1.0 | 32.3 | 0.2 |

4BEMW LED, 40K, input watts: 9.8, delivered lumens: 727, LM/W = 73, test no. ISF 35431P3, tested in accordance with IESNA LM 79-08

| Distribution Curve | Ave Lumens | | | Zone Lumens % Lamp | | | pf pc pw | 80% | | | 20% | | | 50% | | | 50% beam - 59.8° | 10% beam - 100.2° |
|--------------------|------------|--------|-----|--------------------|--------|--------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|----------------------|
| | Ave | Lumens | | Zone | Lumens | % Lamp | | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | | |
| | 0 | 366 | | 0° - 30° | 272.8 | 37.6 | | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | | |
| | 5 | 365 | 35 | 0° - 40° | 427.0 | 58.8 | 1 | 107 | 103 | 100 | 105 | 101 | 99 | 100 | 98 | 95 | | |
| | 15 | 346 | 97 | 0° - 60° | 654.7 | 90.1 | 2 | 95 | 90 | 85 | 94 | 88 | 84 | 90 | 86 | 82 | | |
| | 25 | 308 | 141 | 0° - 90° | 726.5 | 100.0 | 3 | 86 | 79 | 73 | 84 | 78 | 72 | 81 | 76 | 71 | | |
| | 35 | 248 | 154 | 90° - 120° | 0.0 | 0.0 | 4 | 77 | 69 | 63 | 76 | 69 | 63 | 73 | 67 | 62 | | |
| | 45 | 175 | 135 | 90° - 130° | 0.0 | 0.0 | 5 | 70 | 62 | 56 | 69 | 61 | 56 | 67 | 60 | 55 | | |
| | 55 | 104 | 93 | 90° - 150° | 0.0 | 0.0 | 6 | 64 | 55 | 50 | 63 | 55 | 49 | 61 | 54 | 49 | | |
| | 65 | 46 | 46 | 90° - 180° | 0.0 | 0.0 | 7 | 58 | 50 | 45 | 57 | 50 | 44 | 56 | 49 | 44 | | |
| | 75 | 18 | 20 | 0° - 180° | 726.5 | *100.0 | 8 | 53 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 40 | | |
| | 85 | 5 | 6 | | | | 9 | 49 | 42 | 37 | 49 | 41 | 37 | 48 | 41 | 36 | | |
| | 90 | 0 | | | | | 10 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | | |

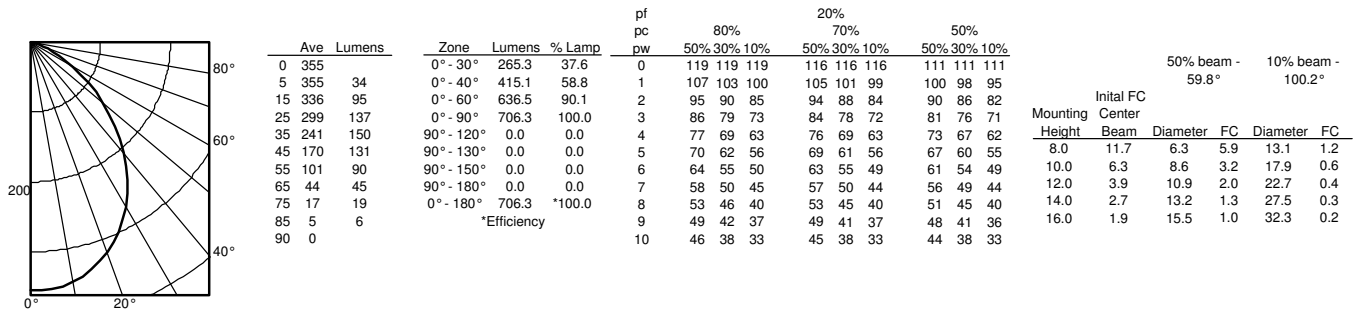
| Initial FC | | 50% beam - 59.8° | | 10% beam - 100.2° | |
|--------------------|----------------|---------------------|-----|----------------------|-----|
| Mounting Height | Center Beam | Diameter | FC | Diameter | FC |
| 8.0 | 12.1 | 6.3 | 6.0 | 13.1 | 1.2 |
| 10.0 | 6.5 | 8.6 | 3.3 | 17.9 | 0.6 |
| 12.0 | 4.1 | 10.9 | 2.0 | 22.7 | 0.4 |
| 14.0 | 2.8 | 13.2 | 1.4 | 27.5 | 0.3 |
| 16.0 | 2.0 | 15.5 | 1.0 | 32.3 | 0.2 |

4" LED Module

PHOTOMETRICS

| Distribution Curve | Distribution Data | Output Data | Coefficient of Utilization | Illuminance Data at 30" Above Floor for a Single Luminaire |
|--------------------|-------------------|-------------|----------------------------|--|
|--------------------|-------------------|-------------|----------------------------|--|

4BEMW LED, 50K, input watts: 9.8, delivered lumens: 706, LM/W = 71, test no. ISF 35431P4, tested in accordance with IESNA LM 79-08



ADDITIONAL DATA 4BEMW/4SEMW LED 27K

| 4" ENERGY DATA | |
|-------------------|------------------------------------|
| Lumens | 650 |
| Color Temperature | 2700K |
| CRI | 90 |
| Lu/Watts | 65 |
| Operating temp | -20°C (-4°F) to 40°C (104°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards |
| Input voltage | 120V |
| Min. power factor | 0.99 |
| Input frequency | 50/60 Hz |
| Rated wattage | 9.8W |
| Input power | 9.8W |
| Input current | 0.08A |

ADDITIONAL DATA 4BEMW/4SEMW LED 30K

| 4" ENERGY DATA | |
|-------------------|------------------------------------|
| Lumens | 700 |
| Color Temperature | 3000K |
| CRI | 90 |
| Lu/Watts | 70 |
| Operating temp | -20°C (-4°F) to 40°C (104°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards |
| Input voltage | 120V |
| Min. power factor | 0.99 |
| Input frequency | 50/60 Hz |
| Rated wattage | 9.8W |
| Input power | 9.8W |
| Input current | 0.08A |

ADDITIONAL DATA 4BEMW/4SEMW LED 35K

| 4" ENERGY DATA | |
|-------------------|------------------------------------|
| Lumens | 700 |
| Color Temperature | 3500K |
| CRI | 90 |
| Lu/Watts | 70 |
| Operating temp | -20°C (-4°F) to 40°C (104°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards |
| Input voltage | 120V |
| Min. power factor | 0.99 |
| Input frequency | 50/60 Hz |
| Rated wattage | 10W |
| Input power | 10W |
| Input current | 0.08A |

ADDITIONAL DATA 4BEMW/4SEMW LED 40K

| 4" ENERGY DATA | |
|-------------------|------------------------------------|
| Lumens | 720 |
| Color Temperature | 4000K |
| CRI | 90 |
| Lu/Watts | 70 |
| Operating temp | -20°C (-4°F) to 40°C (104°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards |
| Input voltage | 120V |
| Min. power factor | 0.99 |
| Input frequency | 50/60 Hz |
| Rated wattage | 9.8W |
| Input power | 9.8W |
| Input current | 0.08A |

ADDITIONAL DATA 4BEMW/4SEMW LED 50K

| 4" ENERGY DATA | |
|-------------------|------------------------------------|
| Lumens | 700 |
| Color Temperature | 5000K |
| CRI | 90 |
| Lu/Watts | 70 |
| Operating temp | -20°C (-4°F) to 40°C (104°F) |
| EMI/RFI | FCC Title 47 CFR, Part 15, Class B |
| Sound rating | Class A Standards |
| Input voltage | 120V |
| Min. power factor | 0.99 |
| Input frequency | 50/60 Hz |
| Rated wattage | 9.8W |
| Input power | 9.8W |
| Input current | 0.08A |