

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 torsion spring and retention allows fitment into many 5" and 6" 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, please refer to the charts below.

711L-lumen E series has an input wattage of 11.9 watts, 60 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: 54 units of 65BEMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/11.9W = 54 fixtures.

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

E26 socket adaptor ships standard.

Twin torsion springs ensure easy installation for 5" and 6" recessed housings.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® qualified. 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

65BE

5" / 6" LED Module

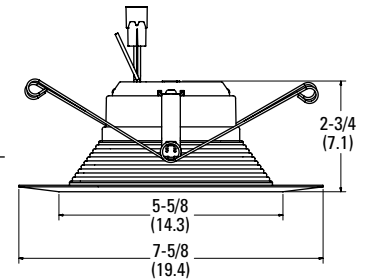
IC/Non-IC
Retrofit



E26 adaptor (included)

Specifications

Aperture: 5-5/8 (14.3)
Ceiling opening: Determined by rough-in
Overlap trim: 7-5/8 (19.4)
Height: 2-3/4 (7.1)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION For shortest lead times, configure product using **bolded** options.

Example: 65BEMW LED 27K L7XLED T24

Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Housing options
65BEMW 5" / 6" Baffle LED module, matte white	LED	27K 2700 K / 82CRI / 11.9W / 640L	(blank) 120V	L7XLED T24 6" new construction rough-in LED base
		30K 3000 K / 82CRI / 11.9W / 687L		L7XRLED T24 6" remodel rough-in LED base
		40K 4000K / 82CRI / 11.9W / 711L		LC6LED T24 6" new construction rough-in LED base
		50K 5000K / 81CRI / 10.6W / 780L		L7X 6" new construction rough-in ²
		27K 90CRI 2700 K / 93 CRI / 10.3W / 650L		L7XR 6" remodel rough-in ²
		30K 90CRI 3000 K / 93 CRI / 10.2W / 733L		L7XP 6" new construction shallow rough-in ²
		40K 90CRI 4000 K / 93 CRI / 10.3W / 808L		L7XPR 6" remodel shallow rough-in ²
		HL LED		LC6 6" new construction rough-in ²
	27K 2700K / 80CRI / 11.7W / 1090L	LCP 6" new construction shallow rough-in ²		
	30K 3000K / 80CRI / 11.9W / 1100L	LSLED T24 5" new construction rough-in LED base		
	40K 4000K / 80CRI / 11.9W / 1110L	LSRLED T24 5" remodel rough-in LED base		
		L5 5" new construction rough-in ²		
		LSR 5" new construction rough-in ²		

Accessories: order as separate catalog number	
TSA6	6" torsion spring adaptor

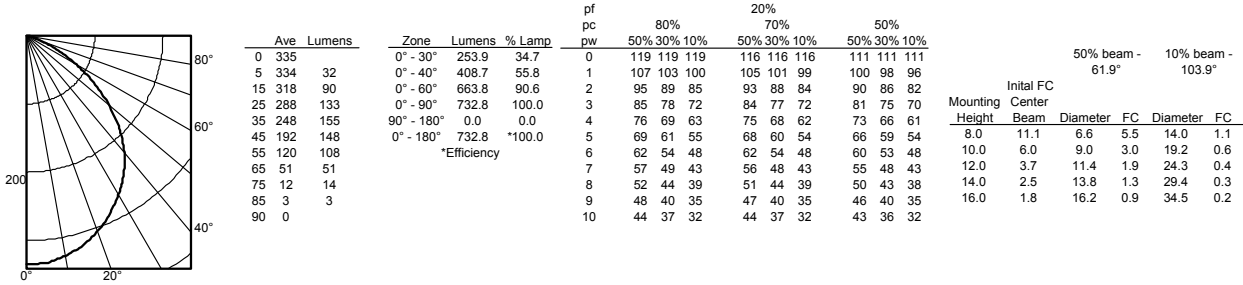
Notes

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

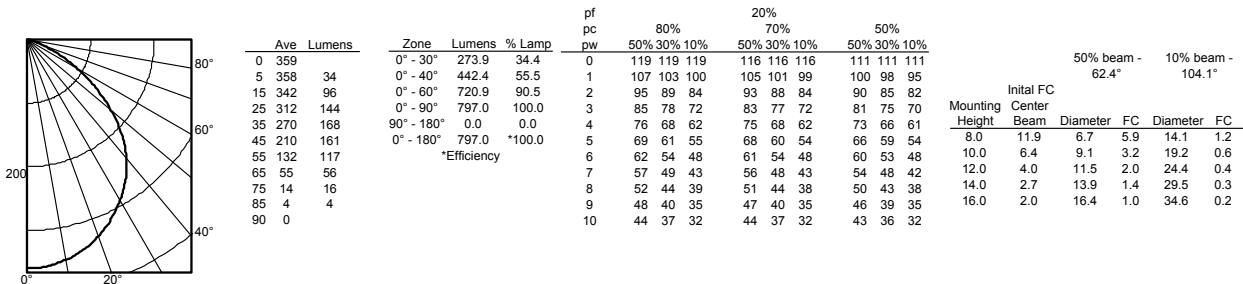
PHOTOMETRICS

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

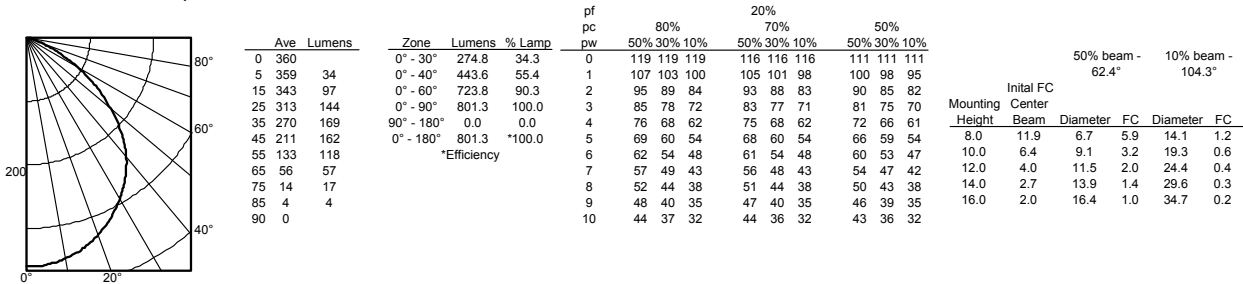
65BEMW LED, 27K, input watts: 13.7, delivered lumens: 733, LM/W = 54, test no. LTL26512, tested in accordance with IESNA LM 79-08



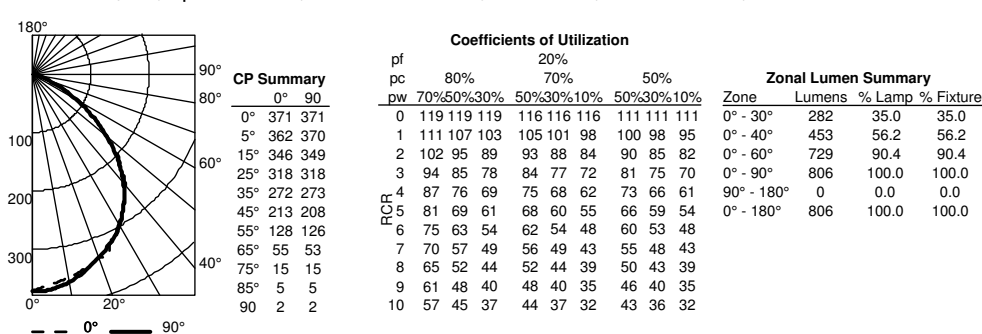
65BEMW LED, 30K, input watts: 12.5, delivered lumens: 797, LM/W = 64, test no. LTL26513, tested in accordance with IESNA LM 79-08



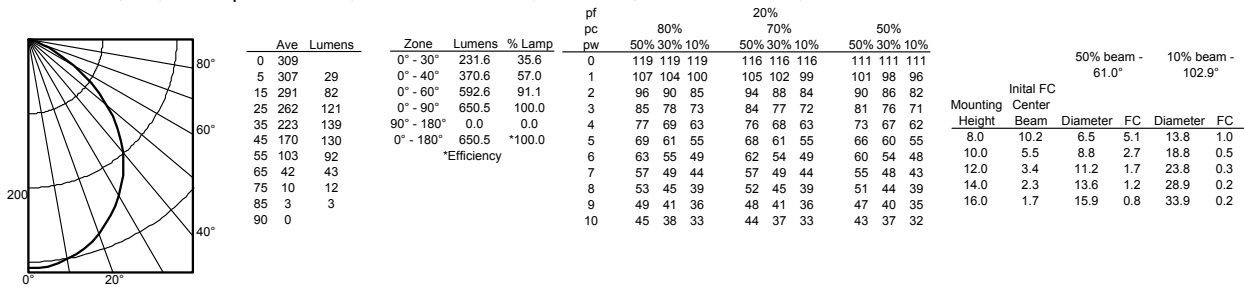
65BEMW LED, 40K, input watts: 12.5, delivered lumens: 801, LM/W = 64, test no. LTL26514, tested in accordance with IESNA LM 79-08



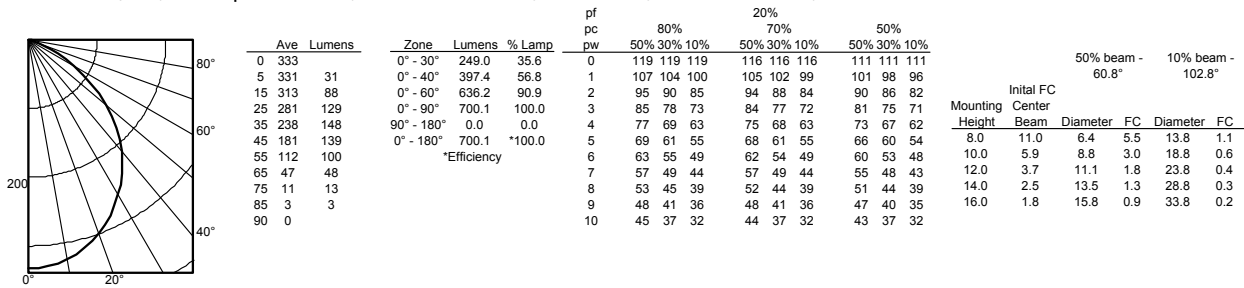
65BEMW LED, 50K, input watts: 10.6, delivered lumens: 815, LM/W = 76.8, test no. ISF 29993, tested in accordance with IESNA LM 79-08



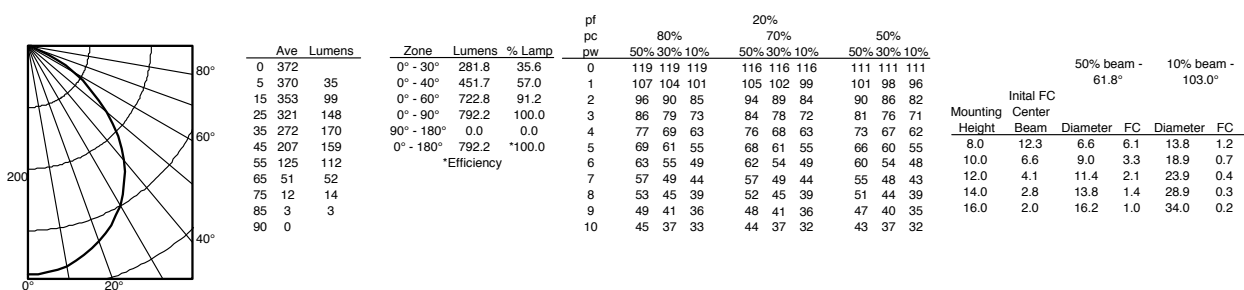
65BEMW LED, 27K, 90CRI input watts: 10.2, delivered lumens: 650, LM/W = 64, test no. LTL28946P1, tested in accordance with IESNA LM 79-08



65BEMW LED, 30K, 90CRI input watts: 10.2, delivered lumens: 733, LM/W = 71.8, test no. LTL28945P1, tested in accordance with IESNA LM 79-08



65BEMW LED, 40K, 90CRI input watts: 10.3, delivered lumens: 808, LM/W = 71.8, test no. ISF 30030S, tested in accordance with IESNA LM 79-08



ADDITIONAL DATA 65BEMW LED 27K

ENERGY DATA*		
	CRI - 82	CRI - 93
Lumens	640L	650L
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	11.9W	10.3W
Input power	11.9W	10.3W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 30K

ENERGY DATA*		
	CRI - 82	CRI - 93
Lumens	687L	733 L
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	11.9W	10.2W
Input power	11.9W	10.2W
Input current	0.08A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 40K

ENERGY DATA*		
	CRI - 82	CRI - 93
Lumens	711L	808L
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	11.9W	10.3W
Input power	11.9W	10.3W
Input current	.11A	0.09A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 50K

ENERGY DATA*	
	CRI - 81
Lumens	780L
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	10.6W
Input power	10.6W
Input current	.11A

*Values at non-dimming line voltage.

LIGHTING FACTS

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

Light Output (Lumens) 640
Watts 11.9
Lumens per Watt (Efficacy) 53.78

Color Accuracy
Color Rendering Index (CRI) 82

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-QZXT4 (11/11/2014)
Model Number: 65BEMW LED 27K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

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

Light Output (Lumens) 687
Watts 11.9
Lumens per Watt (Efficacy) 57.73

Color Accuracy
Color Rendering Index (CRI) 83

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

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

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Registration Number: JB22-U6K0K2 (11/11/2014)
Model Number: 65BEMW LED 30K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

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

Light Output (Lumens) 711
Watts 11.9
Lumens per Watt (Efficacy) 59.75

Color Accuracy
Color Rendering Index (CRI) 84

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: JB22-6JQJ5E (11/11/2014)
Model Number: 65BEMW LED 40K [Upgrade : 10/23/2014]
Type: Luminaire - Downlight

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

Light Output (Lumens) 780
Watts 10.6
Lumens per Watt (Efficacy) 73.58

Color Accuracy
Color Rendering Index (CRI) 81

Light Color
Correlated Color Temperature (CCT) 5000 (Daylight)

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

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Registration Number: JB22-P6T17P (2/11/2016)
Model Number: 65BEMW LED 50K
Type: Retrofit Kit - Downlight

DIMMER LIST ESERIES — Low Lumen

Lutron	Leviton	Pass & Seymour	Synergy
AYCL-153P	6633-P	HCL453PTCCCV6	ISD 600 I 120*
CTCL-153P			
DVCL-153P			

*Must have minimum of qty 6 LED modules on a circuit to function.

PHOTOMETRICS

Distribution Curve

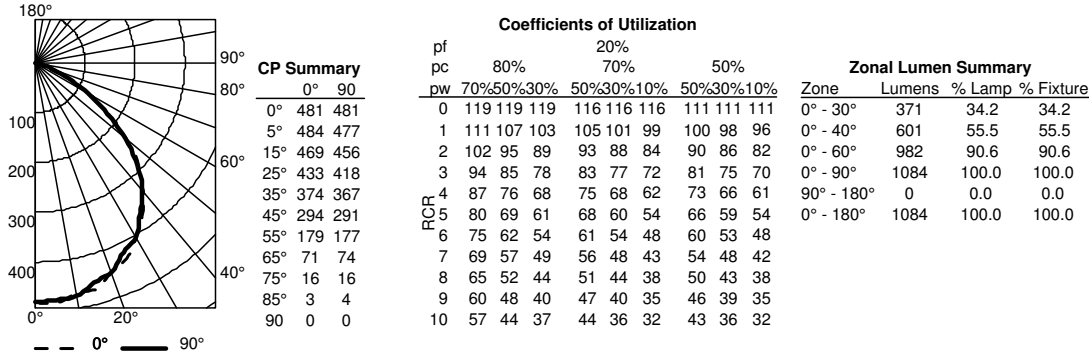
Distribution Data

Output Data

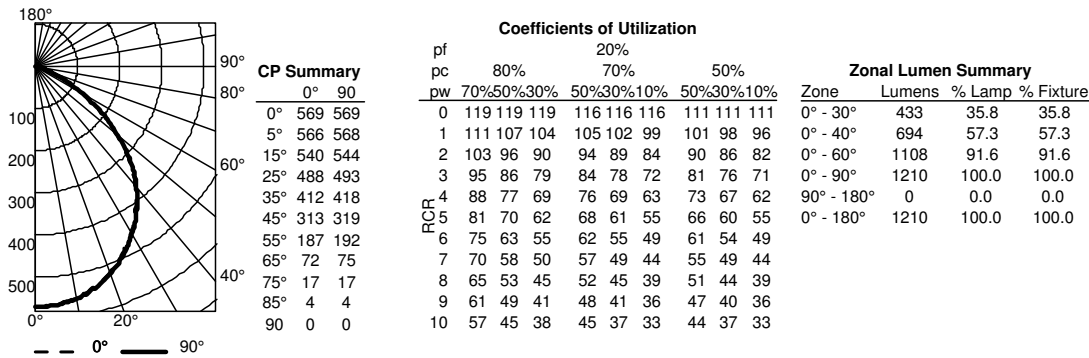
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

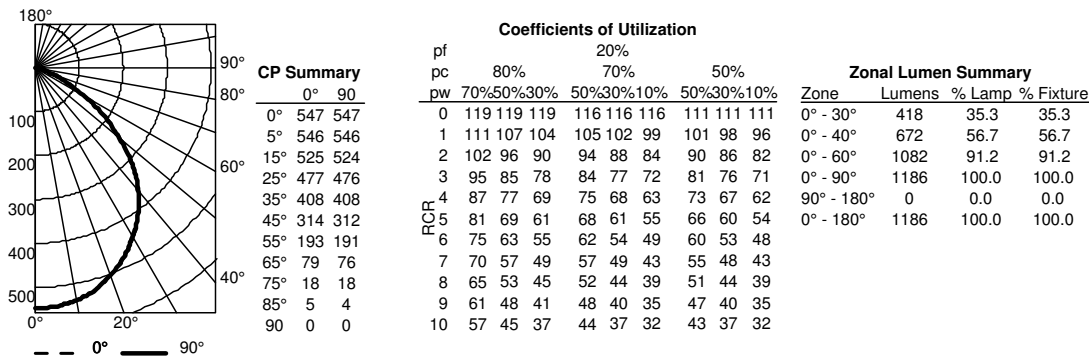
65BEMW HL LED, 27K, input watts: 11.7, delivered lumens: 1083, LM/W = 92.5, test no. ISF 32419, tested in accordance with IESNA LM 79-08



65BEMW HL LED, 30K, input watts: 11.9, delivered lumens: 1213, LM/W = 101.9, test no. ISF 32455, tested in accordance with IESNA LM 79-08



65BEMW HL LED, 40K, input watts: 11.7, delivered lumens: 1187, LM/W = 101.4, test no. ISF 32454, tested in accordance with IESNA LM 79-08



ADDITIONAL DATA 65BEMW HL LED 27K

ENERGY DATA*	
CRI - 80	
Lumens	1090
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	50/60Hz
Rated wattage	11.7W
Input power	11.7W
Input current	0.1A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW HL LED 30K

ENERGY DATA*	
CRI - 80	
Lumens	1100
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	50/60Hz
Rated wattage	11.9W
Input power	11.9W
Input current	0.1A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW HL LED 40K

ENERGY DATA*	
CRI - 80	
Lumens	1110
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	50/60Hz
Rated wattage	11.9W
Input power	11.9W
Input current	0.1A

*Values at non-dimming line voltage.

LIGHTING FACTS

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1090**
Watts **11.7**
Lumens per Watt (Efficacy) **93.16**

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

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

Warm White 3000K Bright White 4500K Daylight 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: NJSM-7B0H2S (11/2/2016)
Model Number: 65BEMW HLLED 27K
Type: Luminaire - Downlight

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1100**
Watts **11.9**
Lumens per Watt (Efficacy) **92.44**

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

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

Warm White 3000K Bright White 4500K Daylight 6500K

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

Registration Number: NJSM-8AM8EX (10/27/2016)
Model Number: 65BEMW HLLED 30K
Type: Luminaire - Downlight

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1110**
Watts **11.9**
Lumens per Watt (Efficacy) **93.28**

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

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

Warm White 3000K Bright White 4500K Daylight 6500K

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

Registration Number: NJSM-YMQMDC (10/27/2016)
Model Number: 65BEMW HLLED 40K
Type: Luminaire - Downlight

DIMMER LIST ESERIES — High Lumen

Lutron	Leviton	Insteon	Pass & Seymour	Synergy/Leviton	Cooper	Sensorswitch
DV-603P-LA	6633-PA	2477D	LS 603 PWV	ISD 600 I 120 / IPI06	DLC03P-W Devine	nSP5 PCD 2W
CT-603PR-WH	6615-P		H703PNICCV4	ISD 400 ELV 120 / IPE04		nSP5 PCD ELV 120
DVELV-300P						
300P SELV						
DV-600P						
NTELV-300P						