

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

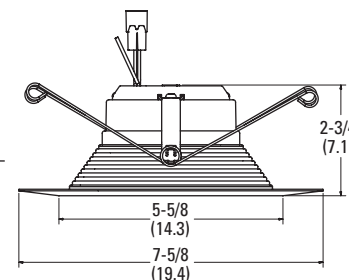
Aperture: 5-5/8 (14.3)

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 / 10.1W / 690L		L7XP 6" new construction shallow rough-in ²
		40K 90CRI 4000 K / 93 CRI / 10.4W / 770L		L7XPR 6" remodel shallow rough-in ²
				LC6 6" new construction rough-in ²
	HL LED	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

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

LOW LUMEN

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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0°	20°	40°	60°	80°	Ave Lumens		Zone Lumens % Lamp		pf	pc	pw	80%			20% 70%			50%			50° beam - 61.9°	10° beam - 103.9°			
					0	335	0° - 30°	253.9	34.7	0	119	119	119	116	116	116	111	111	111						
					5	334	0° - 40°	408.7	55.8	1	107	103	100	105	101	99	100	98	96						
					15	318	0° - 60°	663.8	90.6	2	95	89	85	93	88	84	90	86	82						
					25	288	0° - 90°	732.8	100.0	3	85	78	72	84	77	72	81	75	70						
					35	248	90° - 180°	0.0	0.0	4	76	69	63	75	68	62	73	66	61						
					45	192	0° - 180°	732.8	*100.0	5	69	61	55	68	60	54	66	59	54						
					55	120				6	62	54	48	62	54	48	60	53	48						
					65	51				7	57	49	43	56	48	43	55	48	43						
					75	12				8	52	44	39	51	44	39	50	43	38						
					85	3				9	48	40	35	47	40	35	46	40	35						
					90	0				10	44	37	32	44	37	32	43	36	32						

Initial FC		50° beam - 61.9°		10° beam - 103.9°	
Mounting Height	Center Beam Diameter	FC Diameter	FC	Diameter	FC
8.0	11.1	6.6	5.5	14.0	1.1
10.0	6.0	9.0	3.0	19.2	0.6
12.0	3.7	11.4	1.9	24.3	0.4
14.0	2.5	13.8	1.3	29.4	0.3
16.0	1.8	16.2	0.9	34.5	0.2

				20°			70°			50°						
				pc	80%		50%	30%	10%	50%	30%	10%	50%	30%	10%	
				pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	Ave	Lumens		0	119	119	119	116	116	116	111	111	111	111	111	111
	0	359		0° - 30°	273.9	34.4	1	107	103	100	105	101	99	100	98	95
	5	358	34	0° - 40°	442.4	55.5	2	95	89	84	93	88	84	90	85	82
	15	342	96	0° - 60°	720.9	90.5	3	85	78	72	83	77	72	81	75	70
	25	312	144	0° - 90°	797.0	100.0	4	76	68	62	75	68	62	73	66	61
	35	270	168	90° - 180°	0.0	0.0	5	69	61	55	68	60	54	66	59	54
	45	210	161	0° - 180°	797.0	*100.0	6	62	54	48	61	54	48	60	53	48
	55	132	117	*Efficiency			7	57	49	43	56	48	43	54	48	42
	65	55	56				8	52	44	39	51	44	38	50	43	38
	75	14	16				9	48	40	35	47	40	35	46	39	35
85	4	4				10	44	37	32	44	37	32	43	36	32	
90	0												43	36	32	

50° beam - 62.4"

10° beam - 104.1"

Initial FC

Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	11.9	6.7	5.9	14.1	1.2
10.0	6.4	9.1	3.2	19.2	0.6
12.0	4.0	11.5	2.0	24.4	0.4
14.0	2.7	13.9	1.4	29.5	0.3
16.0	2.0	16.4	1.0	34.6	0.2

Ave Lumens	Zone	Lumens	% Lamp	pf	pc	80%			20%			70%			50%			50° beam - 62.4°	10° beam - 104.3°			
						0° - 30°	30° - 40°	40° - 60°	60° - 90°	90° - 180°	0° - 30°	30° - 40°	40° - 60°	60° - 90°	90° - 180°	0° - 30°	30° - 40°			40° - 60°	60° - 90°	90° - 180°
0	360	274.8	34.3	0	119	119	119	116	116	116	111	111	111	111	111	111	111					
5	359	443.6	55.4	1	107	103	100	105	101	98	100	98	95	95	95	95	95					
15	343	723.8	90.3	2	95	89	84	93	88	83	90	85	82	82	82	82	82					
25	313	801.3	100.0	3	85	78	72	83	77	71	81	75	70	70	70	70	70					
35	270	0.0	0.0	4	76	68	62	75	68	62	72	66	61	61	61	61	61					
45	211	801.3	*100.0	5	69	60	54	68	60	54	66	59	54	54	54	54	54					
55	133			6	62	54	48	61	54	48	60	53	47	47	47	47	47					
65	56			7	57	49	43	56	48	43	54	47	42	42	42	42	42					
75	14			8	52	44	38	51	44	38	50	43	38	38	38	38	38					
85	4			9	48	40	35	47	40	35	46	39	35	35	35	35	35					
90	0			10	44	37	32	44	36	32	43	36	32	32	32	32	32					

Initial FC		50° beam - 62.4°		10° beam - 104.3°	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	11.9	6.7	5.9	14.1	1.2
10.0	6.4	9.1	3.2	19.3	0.6
12.0	4.0	11.5	2.0	24.4	0.4
14.0	2.7	13.9	1.4	29.6	0.3
16.0	2.0	16.4	1.0	34.7	0.2

CP Summary

0°	90°
0° 371 371	
5° 362 370	
15° 346 349	
25° 318 318	
35° 272 273	
45° 213 208	
55° 128 126	
65° 55 53	
75° 15 15	
85° 5 5	
90° 2 2	

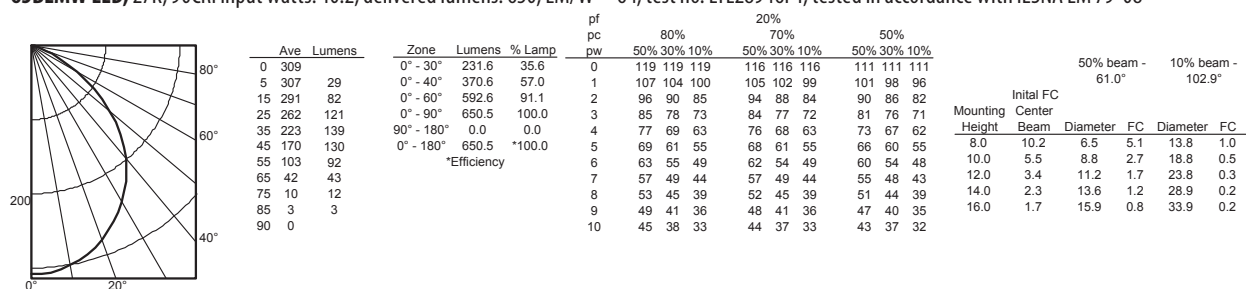
Coefficients of Utilization

pc	80%			70%			50%		
	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	107	103	105	101	98	100	98	95
2	102	95	89	93	88	84	90	85	82
3	94	85	78	84	77	72	81	75	70
4	87	76	69	75	68	62	73	66	61
5	81	69	61	68	60	55	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	52	44	52	44	39	50	43	39
9	61	48	40	48	40	35	46	40	35
10	57	45	37	44	37	32	43	36	32

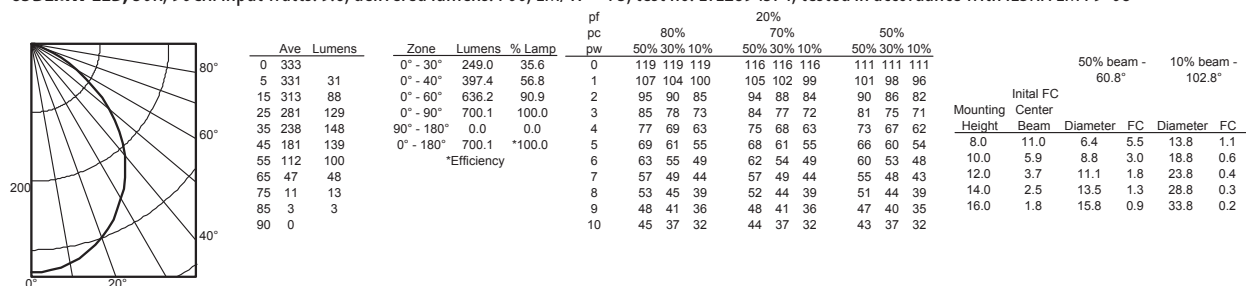
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	282	35.0	35.0
0° - 40°	453	56.2	56.2
0° - 60°	729	90.4	90.4
0° - 90°	806	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	806	100.0	100.0

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: 9.6, delivered lumens: 700, LM/W = 73, test no. LTL28945P1, 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	690L
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	10.1W
Input power	11.9W	10.1W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 40K

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

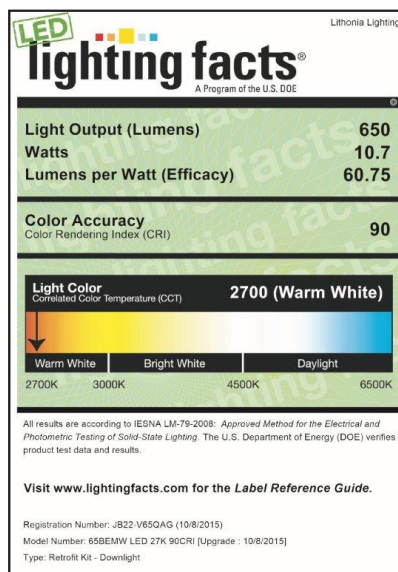
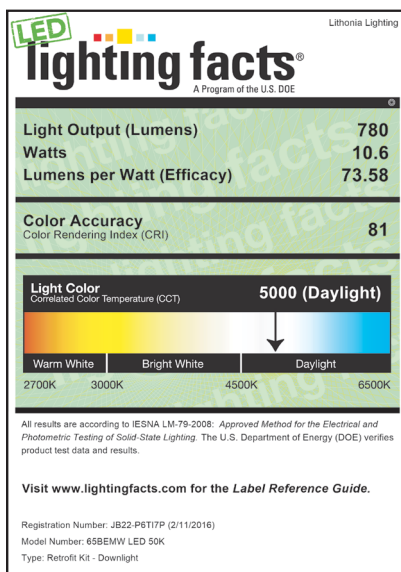
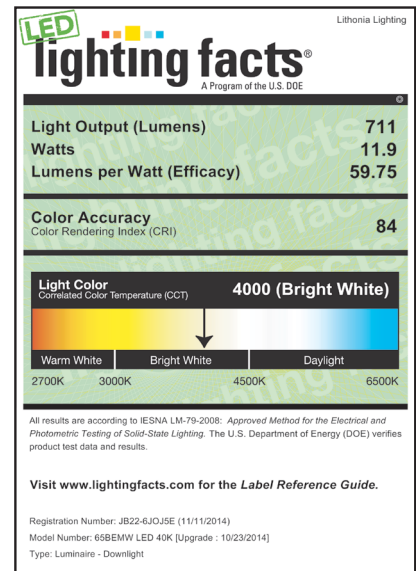
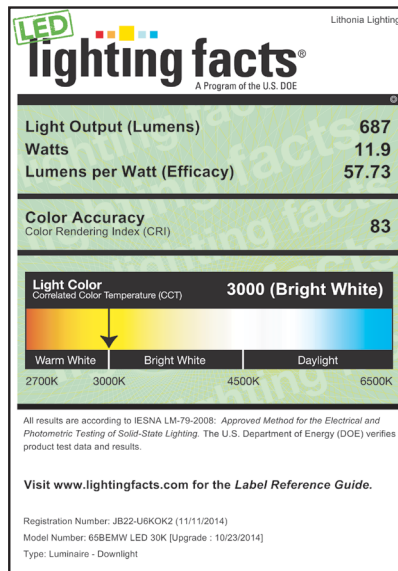
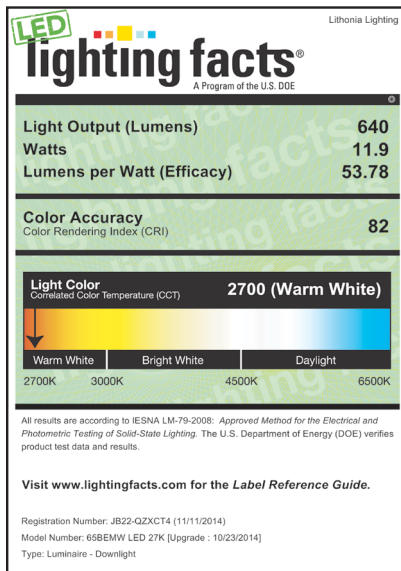
*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 50K

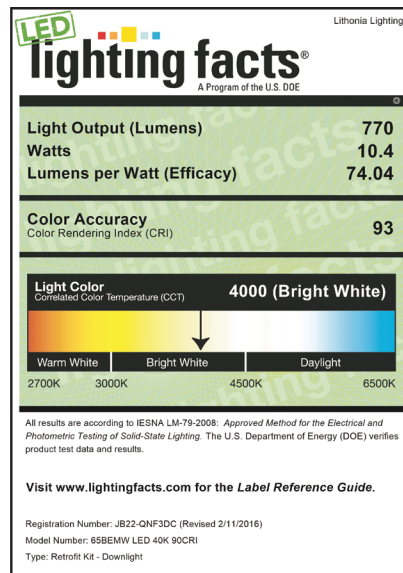
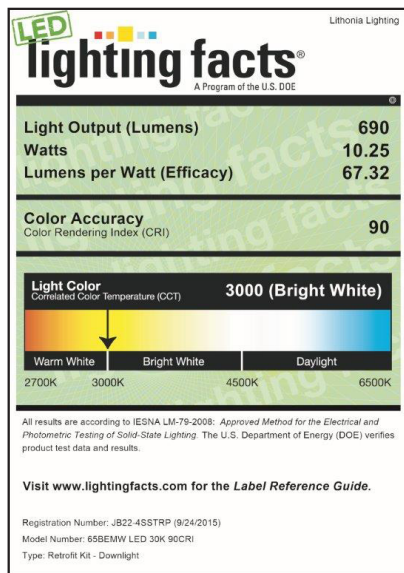
ENERGY DATA*	
	CRI - 81
Lumens	780L
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60 Hz
Rated wattage	10.6W
Input power	10.6W
Input current	.11A

*Values at non-dimming line voltage.

LIGHTING FACTS



LIGHTING FACTS (cont'd)



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

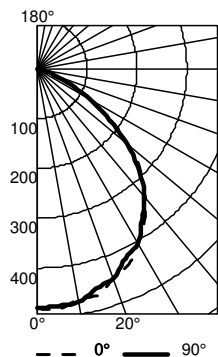
Distribution Data

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



CP Summary

	0°	90°
0°	481	481
5°	484	477
15°	469	456
25°	433	418
35°	374	367
45°	294	291
55°	179	177
65°	71	74
75°	16	16
85°	3	4
90°	0	0

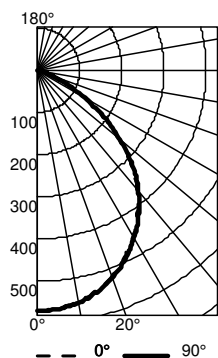
Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	103	105	101	99	100	98	96	96	96	96
2	102	95	89	93	88	84	90	86	82	82	82	82
3	94	85	78	83	77	72	81	75	70	70	70	70
4	87	76	68	75	68	62	73	66	61	61	61	61
5	80	69	61	68	60	54	66	59	54	54	54	54
6	75	62	54	61	54	48	60	53	48	48	48	48
7	69	57	49	56	48	43	54	48	42	42	42	42
8	65	52	44	51	44	38	50	43	38	38	38	38
9	60	48	40	47	40	35	46	39	35	35	35	35
10	57	44	37	44	36	32	43	36	32	32	32	32

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	371	34.2	34.2
0° - 40°	601	55.5	55.5
0° - 60°	982	90.6	90.6
0° - 90°	1084	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1084	100.0	100.0

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



CP Summary

	0°	90°
0°	569	569
5°	566	568
15°	540	544
25°	488	493
35°	412	418
45°	313	319
55°	187	192
65°	72	75
75°	17	17
85°	4	4
90°	0	0

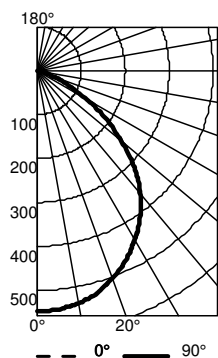
Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	104	105	102	99	101	98	96	96	96	96
2	103	96	90	94	89	84	90	86	82	82	82	82
3	95	86	79	84	78	72	81	76	71	71	71	71
4	88	77	69	76	69	63	73	67	62	62	62	62
5	81	70	62	68	61	55	66	60	55	55	55	55
6	75	63	55	62	55	49	61	54	49	49	49	49
7	70	58	50	57	49	44	55	49	44	44	44	44
8	65	53	45	52	45	39	51	44	39	39	39	39
9	61	49	41	48	41	36	47	40	36	36	36	36
10	57	45	38	45	37	33	44	37	33	33	33	33

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	433	35.8	35.8
0° - 40°	694	57.3	57.3
0° - 60°	1108	91.6	91.6
0° - 90°	1210	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1210	100.0	100.0

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



CP Summary

	0°	90°
0°	547	547
5°	546	546
15°	525	524
25°	477	476
35°	408	408
45°	314	312
55°	193	191
65°	79	76
75°	18	18
85°	5	4
90°	0	0

Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	104	105	102	99	101	98	96	96	96	96
2	102	96	90	94	88	84	90	86	82	82	82	82
3	95	85	78	84	77	72	81	76	71	71	71	71
4	87	77	69	75	68	63	73	67	62	62	62	62
5	81	69	61	68	61	55	66	60	54	54	54	54
6	75	63	55	62	54	49	60	53	48	48	48	48
7	70	57	49	57	49	43	55	48	43	43	43	43
8	65	53	45	52	44	39	51	44	39	39	39	39
9	61	48	41	48	40	35	47	40	35	35	35	35
10	57	45	37	44	37	32	43	37	32	32	32	32

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	418	35.3	35.3
0° - 40°	672	56.7	56.7
0° - 60°	1082	91.2	91.2
0° - 90°	1186	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1186	100.0	100.0

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

LED 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-7BOH2S (11/2/2016)
Model Number: 65BEMW HLLED 27K
Type: Luminaire - Downlight

LED 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

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

LED 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

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-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						

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

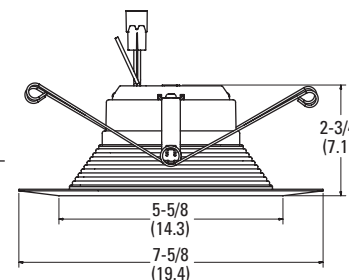
Aperture: 5-5/8 (14.3)

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 / 10.1W / 690L		L7XP 6" new construction shallow rough-in ²
		40K 90CRI 4000 K / 93 CRI / 10.4W / 770L		L7XPR 6" remodel shallow rough-in ²
				LC6 6" new construction rough-in ²
	HL LED	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

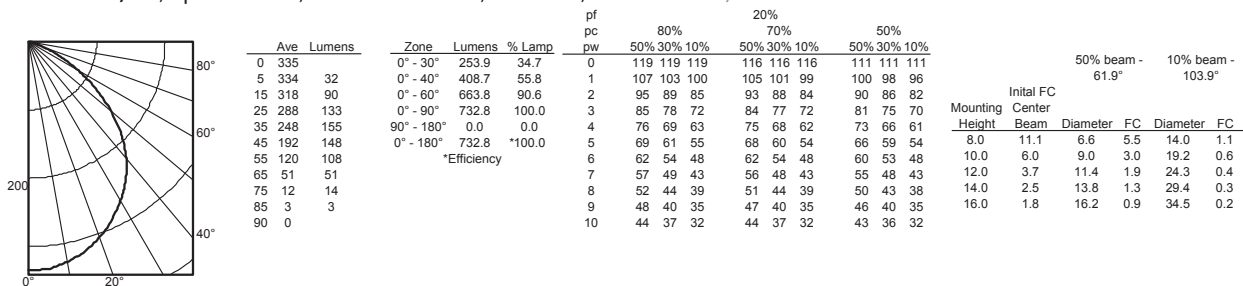
Notes

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

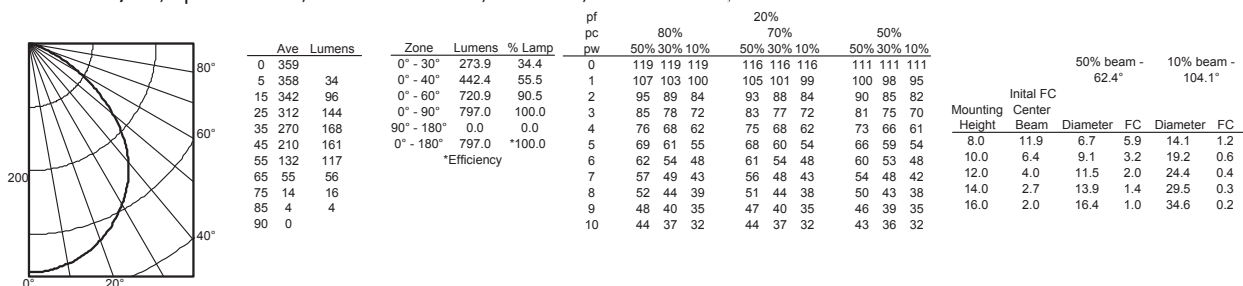
PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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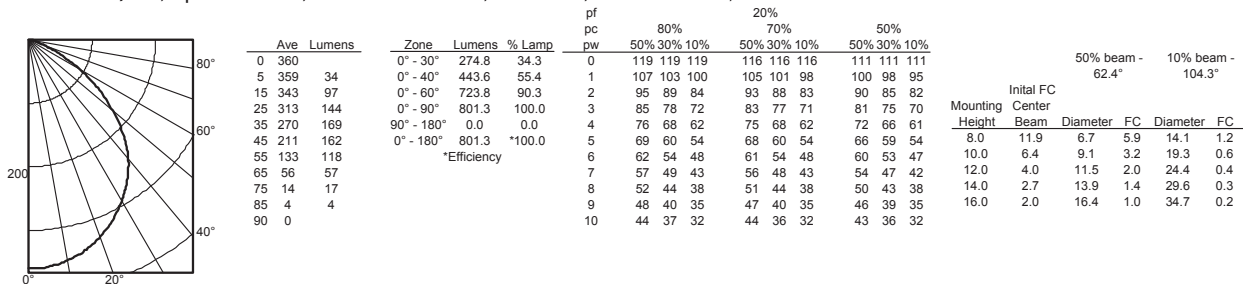
65BEMW LED, 27K, input watts: 13.7, delivered lumens: 733, LM/W = 54, test no. LTL26512, tested in accordance with IESNA LM 79-08



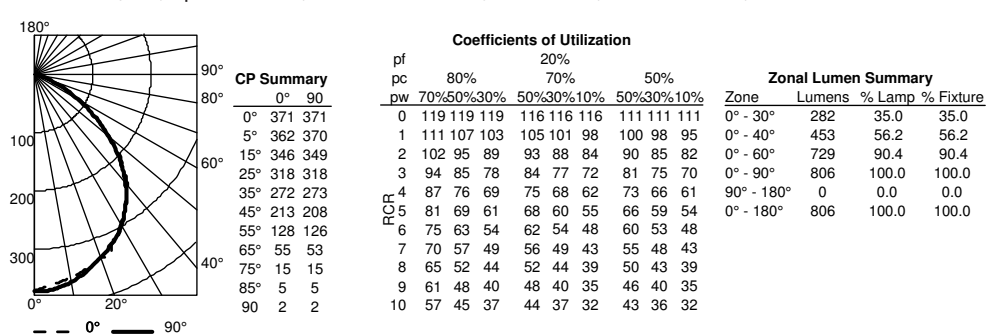
65BEMW LED, 30K, input watts: 12.5, delivered lumens: 797, LM/W = 64, test no. LTL26513, tested in accordance with IESNA LM 79-08



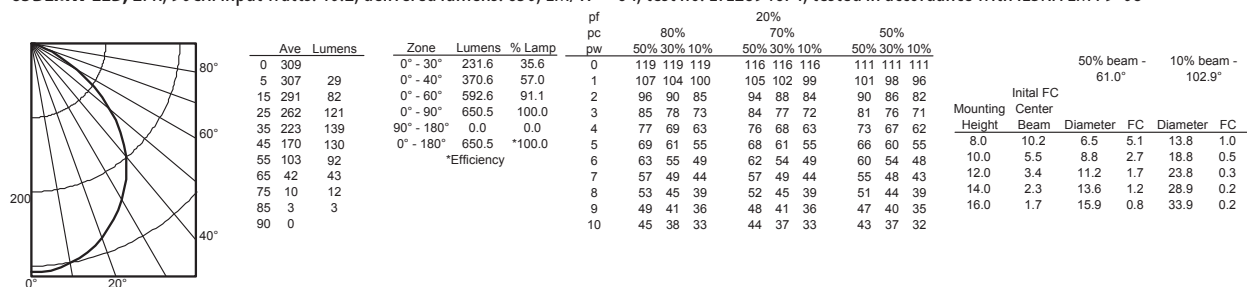
65BEMW LED, 40K, input watts: 12.5, delivered lumens: 801, LM/W = 64, test no. LTL26514, tested in accordance with IESNA LM 79-08



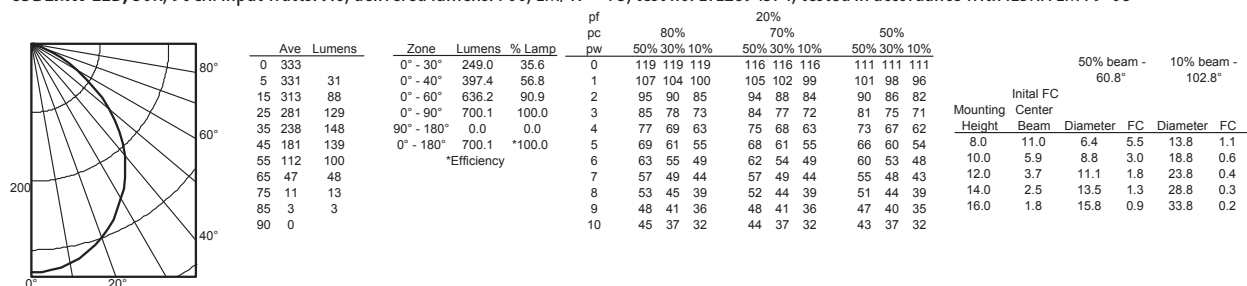
65BEMW LED, 50K, input watts: 10.6, delivered lumens: 815, LM/W = 76.8, test no. ISF 29993, tested in accordance with IESNA LM 79-08



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: 9.6, delivered lumens: 700, LM/W = 73, test no. LTL28945P1, 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	690L
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	10.1W
Input power	11.9W	10.1W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 40K

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

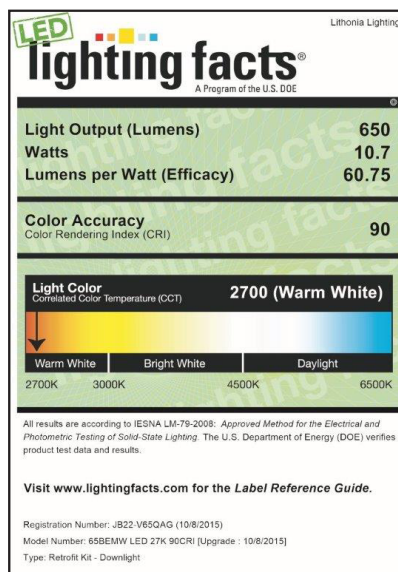
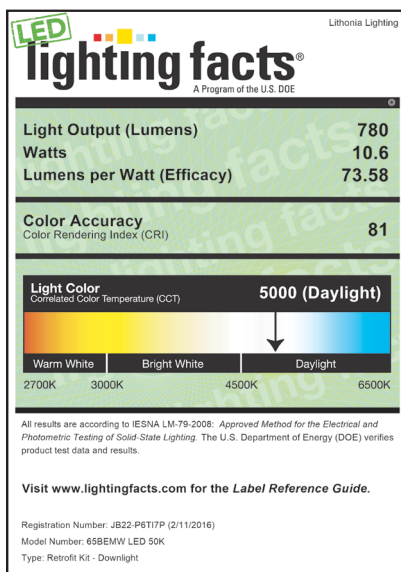
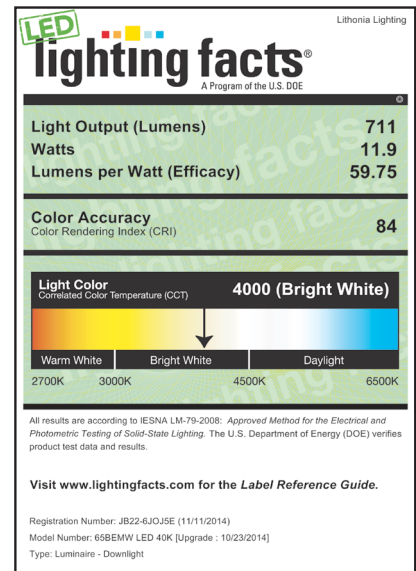
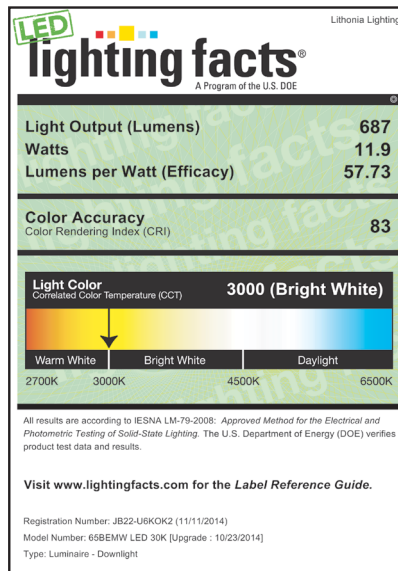
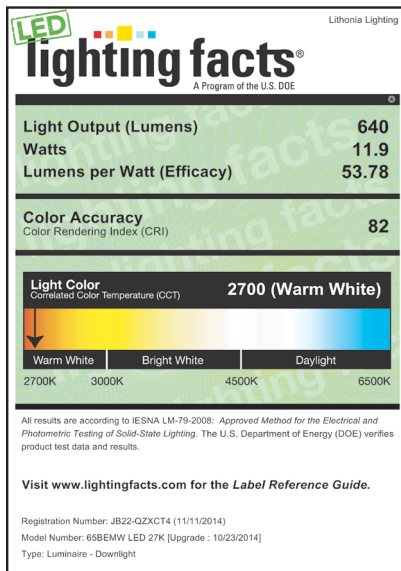
*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 50K

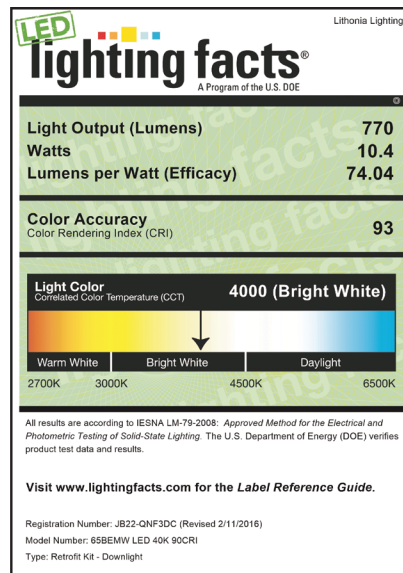
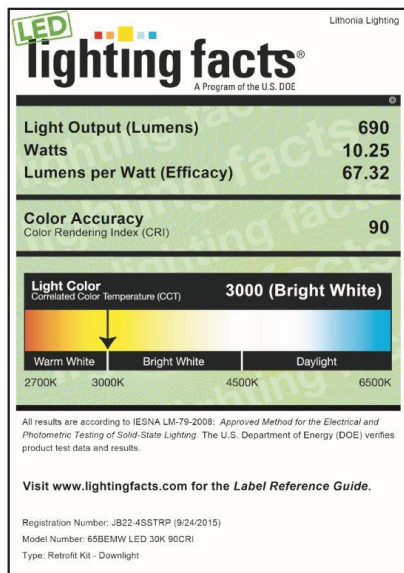
ENERGY DATA*	
	CRI - 81
Lumens	780L
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60 Hz
Rated wattage	10.6W
Input power	10.6W
Input current	.11A

*Values at non-dimming line voltage.

LIGHTING FACTS



LIGHTING FACTS (cont'd)



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

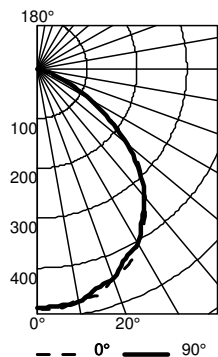
Distribution Data

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



CP Summary

	0°	90°
0°	481	481
5°	484	477
15°	469	456
25°	433	418
35°	374	367
45°	294	291
55°	179	177
65°	71	74
75°	16	16
85°	3	4
90°	0	0

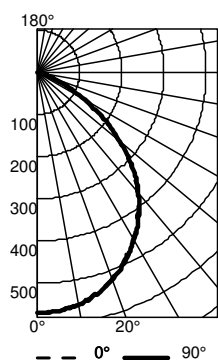
Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	103	105	101	99	100	98	96	96	96	96
2	102	95	89	93	88	84	90	86	82	82	82	82
3	94	85	78	83	77	72	81	75	70	70	70	70
4	87	76	68	75	68	62	73	66	61	61	61	61
5	80	69	61	68	60	54	66	59	54	54	54	54
6	75	62	54	61	54	48	60	53	48	48	48	48
7	69	57	49	56	48	43	54	48	42	42	42	42
8	65	52	44	51	44	38	50	43	38	38	38	38
9	60	48	40	47	40	35	46	39	35	35	35	35
10	57	44	37	44	36	32	43	36	32	32	32	32

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	371	34.2	34.2
0° - 40°	601	55.5	55.5
0° - 60°	982	90.6	90.6
0° - 90°	1084	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1084	100.0	100.0

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



CP Summary

	0°	90°
0°	569	569
5°	566	568
15°	540	544
25°	488	493
35°	412	418
45°	313	319
55°	187	192
65°	72	75
75°	17	17
85°	4	4
90°	0	0

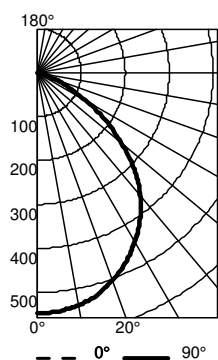
Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	104	105	102	99	101	98	96	96	96	96
2	103	96	90	94	89	84	90	86	82	82	82	82
3	95	86	79	84	78	72	81	76	71	71	71	71
4	88	77	69	76	69	63	73	67	62	62	62	62
5	81	70	62	68	61	55	66	60	55	55	55	55
6	75	63	55	62	55	49	61	54	49	49	49	49
7	70	58	50	57	49	44	55	49	44	44	44	44
8	65	53	45	52	45	39	51	44	39	39	39	39
9	61	49	41	48	41	36	47	40	36	36	36	36
10	57	45	38	45	37	33	44	37	33	33	33	33

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	433	35.8	35.8
0° - 40°	694	57.3	57.3
0° - 60°	1108	91.6	91.6
0° - 90°	1210	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1210	100.0	100.0

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



CP Summary

	0°	90°
0°	547	547
5°	546	546
15°	525	524
25°	477	476
35°	408	408
45°	314	312
55°	193	191
65°	79	76
75°	18	18
85°	5	4
90°	0	0

Coefficients of Utilization

pc	20%											
	80%				70%				50%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	10%
0	119	119	119	116	116	116	111	111	111	111	111	111
1	111	107	104	105	102	99	101	98	96	96	96	96
2	102	96	90	94	88	84	90	86	82	82	82	82
3	95	85	78	84	77	72	81	76	71	71	71	71
4	87	77	69	75	68	63	73	67	62	62	62	62
5	81	69	61	68	61	55	66	60	54	54	54	54
6	75	63	55	62	54	49	60	53	48	48	48	48
7	70	57	49	57	49	43	55	48	43	43	43	43
8	65	53	45	52	44	39	51	44	39	39	39	39
9	61	48	41	48	40	35	47	40	35	35	35	35
10	57	45	37	44	37	32	43	37	32	32	32	32

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	418	35.3	35.3
0° - 40°	672	56.7	56.7
0° - 60°	1082	91.2	91.2
0° - 90°	1186	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1186	100.0	100.0

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

LED 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-7BOH2S (11/2/2016)
Model Number: 65BEMW HLLED 27K
Type: Luminaire - Downlight

LED 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

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

LED 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

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

DIMMER LIST E SERIES — 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						