LITHONIA LIGHTING®

S7
S7A
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 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 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 Zedge™ (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.

835-lumen E series has an input wattage of 11.9 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: 50 units of 65BMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/11.9W = 50 fixtures.

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

E26 socket adapter ships standard, except product shipping to California.

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

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Can be used to comply with California Title 24 Parti-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/support/customer-support/terms-and-conditions

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

65BMW

65BE/65SE

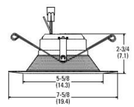
65SEMW

5" / 6" LED Module
IC/Non-IC
Retrofit

E26 adaptor

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:** 65BMW LED 27K 90CRI L7XLED T24

Series/Finish	Lamp	CCT / W / Lumens[1]	CRI	Voltage	Options
65BMW 5" / 6" Baffle LED module, matte white **65SEMW** 5" / 6" Smooth LED module, matte white	**LED**	**27K** 2700 K / 12.1W / 750L **30K** 3000 K / 11.9W / 835L **35K** 3500 K / 11.7W / 825L **40K** 4000 K / 11.9W / 845L[1] **50K** 5000 K / 12.12W/ 829L[1]	**90CRI** 90CRI	(blank) 120V	L/SKTWHIP No E26 Adapter (CA only)[2]

Housing options					
L7XLED T24	6" new construction rough-in LED base	**LC6**	6" new construction rough-in [3]	**IC21**	6" IC shallow new construction housing [3]
L7XRLED T24	6" remodel rough-in LED base	LCP	6" new construction shallow rough-in [3]	**IC21R**	6" IC shallow remodel housing [3]
LCGLED T24	6" new construction rough-in LED base	**LSLED T24**	5" new construction rough-in LED base	**IC22**	6" IC new construction housing [3]
L7X	6" new construction rough-in [3]	LSRLED T24	5" remodel rough-in LED base	**IC22R**	6" IC remodel housing [3]
L7XR	6" remodel rough-in [3]	**LS**	5" new construction rough-in [3]	**IC23**	6" IC new construction housing, no plate [3]
L7XP	6" new construction shallow rough-in [3]	**LSR**	5" new construction rough-in [3]	**IC23R**	6" IC remodel housing, no plate [3]
L7XPR	6" remodel shallow rough-in [3]				

Accessories: *Order as separate catalog number.*		
TSA6 J6 6" torsion spring adaptor (pack of 6)	RK2 CGS2178 E26 E SERIES SKT ADAPTER U	E26 Adapter (Single Unit Pack)
	RK2 CGS2178 E26 E SERIES SKT ADAPTER J10	E26 Adapter (Pack of 10)
	RK2 CGS2178 E26 E SERIES SKT ADAPTER J25	E26 Adapter (Pack of 25)

Notes
1 Total system delivered lumens.
2 L/SKTWHIP must be selected for standard lumen outputs for product shipping to California.
3 Not available for Smooth option.
4 Not available in Baffle option.
5 Must be ordered on a separate line.

5"/6" LED Module

TRIM INSERTS

TRIM INSERTS (for field configuration; ordered separately) **Example:** 65SEBN R4

Series/Finish				Packaging	
65BEMB	6" Baffle, Matte Black	65SEMB	6" Smooth, Matte Black	R4	Retail Pack of 4 units
65BEBN	6" Baffle, Brush Nickel	65SEBN	6" Smooth, Brush Nickel		
65BEORB	6" Baffle, Oil-Rubbed Bronze	65SEORB	6" Smooth, Oil-Rubbed Bronze		

6" Baffle, Matte Black (**65BEMB**)

6" Baffle, Brush Nickel (**65BEBN**)

6" Baffle, Oil-Rubbed Bronze (**65BEORB**)

6" Smooth, Matte Black (**65SEMB**)

6" Smooth, Brush Nickel (**65SEBN**)

6" Smooth, Oil-Rubbed Bronze (**65SEORB**)

Pre-Install color finish trim insert over white 6" E Series Module.

Press down color finish tabs for post-installation to create final LED 6" module.

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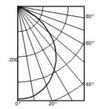
5"/6" LED Module

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: 11.9, delivered lumens: 772, LM/W = 62, test no. ISF 35429P1, tested in accordance with IESNA LM 79-08



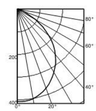
Ave	Lumens	Zone	Lumens	% Lamp
0	367	0°–30°	277.2	35.9
5	366	35	0°–40°	440.1	57.3
15	349	98	0°–60°	706.4	91.5
25	313	144	0°–90°	771.8	100.0
35	265	165	90°–120°	0.0	0.0
45	202	155	90°–130°	0.0	0.0
55	123	109	90°–150°	0.0	0.0
65	46	48	90°–180°	0.0	0.0
75	12	14	0°–180°	771.8	*100.0
85	2	4	*Efficiency		
90	0				

pf pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	107	104	101	105	102	99	101	98	96
2	96	90	85	94	89	84	90	86	82
3	86	79	73	84	78	72	81	76	71
4	77	69	63	76	69	63	73	67	62
5	70	62	56	68	61	55	66	60	55
6	63	55	49	62	55	49	61	54	49
7	58	50	44	57	49	44	55	49	44
8	53	45	40	52	45	40	51	44	39
9	49	41	36	48	41	36	47	40	36
10	45	38	33	45	37	33	44	37	33

Initial FC Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	12.1	6.5	6.1	13.8	1.2
10.0	6.5	8.9	3.3	18.8	0.7
12.0	4.1	11.2	2.0	23.8	0.4
14.0	2.8	13.6	1.4	28.9	0.3
16.0	2.0	15.9	1.0	33.9	0.2

50% beam - 61.1°
10% beam - 102.9°

65BEMW LED, 30K, input watts: 11.9, delivered lumens: 859, LM/W = 70, test no. ISF 35429, tested in accordance with IESNA LM 79-08



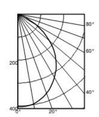
Ave	Lumens	Zone	Lumens	% Lamp
0	409	0°–30°	308.6	35.9
5	408	39	0°–40°	492.2	57.3
15	389	109	0°–60°	786.5	91.5
25	349	160	0°–90°	859.3	100.0
35	295	184	90°–120°	0.0	0.0
45	225	173	90°–130°	0.0	0.0
55	137	122	90°–150°	0.0	0.0
65	51	53	90°–180°	0.0	0.0
75	14	16	0°–180°	859.3	*100.0
85	4	4	*Efficiency		
90	0				

pf pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	107	104	101	105	102	99	101	98	96
2	96	90	85	94	89	84	90	86	82
3	86	79	73	84	78	72	81	76	71
4	77	69	63	76	69	63	73	67	62
5	70	62	56	68	61	55	66	60	55
6	63	55	49	62	55	49	61	54	49
7	58	50	44	57	49	44	55	49	44
8	53	45	40	52	45	40	51	44	39
9	49	41	36	48	41	36	47	40	36
10	45	38	33	45	37	33	44	37	33

Initial FC Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	13.5	6.5	6.8	13.8	1.4
10.0	7.3	8.9	3.6	18.8	0.7
12.0	4.5	11.2	2.3	23.8	0.5
14.0	3.1	13.6	1.5	28.9	0.3
16.0	2.2	15.9	1.1	33.9	0.2

50% beam - 61.1°
10% beam - 102.9°

65BEMW LED, 35K, input watts: 11.9, delivered lumens: 849, LM/W = 71, test no. ISF 35429P2, tested in accordance with IESNA LM 79-08



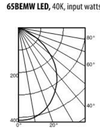
Ave	Lumens	Zone	Lumens	% Lamp
0	404	0°–30°	304.3	35.9
5	403	38	0°–40°	486.3	57.3
15	384	108	0°–60°	777.0	91.5
25	345	159	0°–90°	848.0	100.0
35	292	181	90°–120°	0.0	0.0
45	223	171	90°–130°	0.0	0.0
55	135	120	90°–150°	0.0	0.0
65	51	52	90°–180°	0.0	0.0
75	13	15	0°–180°	848.0	*100.0
85	4	4	*Efficiency		
90	0				

pf pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	107	104	101	105	102	99	101	98	96
2	96	90	85	94	89	84	90	86	82
3	86	79	73	84	78	72	81	76	71
4	77	69	63	76	69	63	73	67	62
5	70	62	56	68	61	55	66	60	55
6	63	55	49	62	55	49	61	54	49
7	58	50	44	57	49	44	55	49	44
8	53	45	40	52	45	40	51	44	39
9	49	41	36	48	41	36	47	40	36
10	45	38	33	45	37	33	44	37	33

Initial FC Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	13.4	6.5	6.7	13.8	1.3
10.0	7.2	8.9	3.6	18.8	0.7
12.0	4.5	11.2	2.2	23.8	0.4
14.0	3.1	13.6	1.5	28.9	0.3
16.0	2.2	15.9	1.1	33.9	0.2

50% beam - 61.1°
10% beam - 102.9°

65BEMW LED, 40K, input watts: 11.9, delivered lumens: 870, LM/W = 71, test no. ISF 35429P3, tested in accordance with IESNA LM 79-08



Ave	Lumens	Zone	Lumens	% Lamp
0	414	0°–30°	312.3	35.9
5	413	39	0°–40°	498.1	57.3
15	393	111	0°–60°	795.9	91.5
25	353	162	0°–90°	869.6	100.0
35	298	186	90°–120°	0.0	0.0
45	228	175	90°–130°	0.0	0.0
55	138	123	90°–150°	0.0	0.0
65	52	54	90°–180°	0.0	0.0
75	14	16	0°–180°	869.6	*100.0
85	4	4	*Efficiency		
90	0				

pf pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	107	104	101	105	102	99	101	98	96
2	96	90	85	94	89	84	90	86	82
3	86	79	73	84	78	72	81	76	71
4	77	69	63	76	69	63	73	67	62
5	70	62	56	68	61	55	66	60	55
6	63	55	49	62	55	49	61	54	49
7	58	50	44	57	49	44	55	49	44
8	53	45	40	52	45	40	51	44	39
9	49	41	36	48	41	36	47	40	36
10	45	38	33	45	37	33	44	37	33

Initial FC Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	13.1	6.5	6.8	13.8	1.4
10.0	7.4	8.9	3.7	18.8	0.7
12.0	4.6	11.2	2.3	23.8	0.5
14.0	3.1	13.6	1.6	28.9	0.3
16.0	2.3	15.9	1.1	33.9	0.2

50% beam - 61.1°
10% beam - 102.9°

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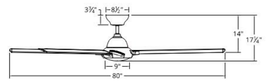
HYDRA
FR-W1805-80L
80" Ceiling Fan

S8 MODERN FORMS SMART FANS



PRODUCT DESCRIPTION
As its name suggests, Hydra is all about water. Like all of our smart fans, it's wet-rated for outdoor use so you can maintain the continuity of your décor inside and out. Even with an impressive 120° blade sweep, this epically scaled smart fan moves a massive amount of air without consuming much energy, thanks to a powerful DC motor that runs up to 70% more efficient than AC motors. Control it all with our exclusive Modern Forms app. Available in 80 inches, 96 inches and 12 inches.

FEATURES
- 6 fan speeds through both Summer and Winter Modes
- Silent DC motor
- Includes BT wall control
- Optional wall control for 3, 4-way control sold separately
- Compatible with Modern Forms app

AIRFLOW/ENERGY EFFICIENCY

Weighed-Average/High Airflow CFM:	2798/11308
Weighed-Average/High Energy Use (W):	13/42
Estimated Yearly Energy Cost ($):	4
Weighed-Average/High Efficiency (CFM/W):	211/270
Max RPM:	88

SPECIFICATIONS

Construction:	Aluminum, ABS
Blade:	14° Pitch, 80" sweep
Downrod:	1" O.D. x 4.5"H inlcuded
Mounting Slope:	Up to 30°
Wire:	80"
Hanging Weight:	39 lbs
Total Power:	65.5W
Standards:	UL/cUL Wet Location listed, Title 24 JA8-2016 Compliant, Title 20, Energy Star rated
Motor Type:	160 x 30 sensorless DC motor

WIRELESS PERFORMANCE

Wi-Fi Range:	Up to 150 ft*
Bluetooth Range:	Up to 150 ft*

LUMINAIRE PERFORMANCE

Light Source:	LED
Light Wattage:	23.5W
Lumens/Delivered Lumens:	2100/1013
Dimming:	Integrated
CRI:	90
Color Temperature:	3000K (2700K/3500K options available)
Rated Life:	50,000 hours

ORDER NUMBER

Model	Housing	Blade
FR-W1805-80L	**BZ** *Bronze* **TT** *Titanium Silver* **MB** *Matte Black* **MW** *Matte White*	**BZ** *Bronze* **TT** *Titanium Silver* **MB** *Matte Black* **MW** *Matte White*

Example: **FR-W1805-80L-MW**
For 2700K add "-27" ; for 3500K add "-35" before the finish: **FR-W1805-80L-27-MW**
***Results may vary based on application and surroundings.**
***This fan comes uni-pack - blade select options are not available**

The Modern Forms app synchronizes seamlessly with smart home devices you already own

works with amazon alexa · works with Google Assistant · Works with SmartThings · ecobee · Bluetooth · Control4 · JOSH

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Modern Forms retains the right to modify the design of our products at any time as part of the company's continuous improvement program. JUL 2020

HYDRA
FR-W1805-80L
80" Ceiling Fan

MODERN FORMS SMART FANS

OPTIONAL ACCESSORIES

Bluetooth Wall Control		**F-WCBT**	**WT** White	Control fan speed and light brightness, and switch between Summer and Winter Modes. Additional Wall Controls can be purchased separately for multiple location control.
Bluetooth Remote Control		**F-RCBT**	**WT** White	Control fan speed and light brightness, and switch between Summer and Winter Modes. Compatible with Moder Forms Smart Fans. Includes easy-to-install wall cradle and batteries.
Downrod		**XF-12** 12IN **XF-18** 18IN **XF-24** 24IN **XF-36** 36IN **XF-48** 48IN **XF-60** 60IN **XF-72** 72IN		All our downrods are 1" O.D. and are threaded on the motor end to create an extra layer of security and allow for adjustments in the field.
Downrod Couplers		**XF-I**		Connects two downrods together.
Sloped Ceiling Kit		**XF-SCK**		Designed to accommodate buildings with steeper sloped ceilings up to 45° or 12/12 pitch.

Examples: Wall Control: **F-WCBT-WT**, Remote Control: **F-RCBT-WT**, Downrod: **XF-12-BN**, Downrod Coupler: **XF-I-MB**, Sloped Ceiling Kit: **XF-SCK-MW**

SUGGESTED DOWNROD HEIGHT USAGE

Ceiling Height	15'	14'	13'	12'	11'	10'	9'
Downrod	72"	60"	48"	36"	24"	18"	12"

SLOPED CEILING DEGREE CONVERSION CHART

Degree	4-8°	9-13°	14-17°	18-21°	22-25°	26-29°	30-32°	33-35°	36-38°	39-41°	42-44°	45°
Ceiling Slope	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
Pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch	pitch

Supplied mounting brackets allow mounting on ceiling slopes up to 30° (7/12 pitch). Optional slope kit allows mounting on ceilings up to 45° (12/12 pitch). The receiver will mount inside canopy up to 45°.

NOTE: Recommended maximum downrod length of 72" with 80" lead wire

Modern Forms retains the right to modify the design of our products at any time as part of the company's continuous improvement program. JUL 2020

THE KIMSEY
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SCOTTSDALE, AZ 85251

- CASE PRE-APP NUMBER -
63-PA-2020

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Scottsdale, AZ 85251
United States
Tel 480.206.4593

△ Date	Description
01/06/22	Development Review Board

Seal / Signature

NOT FOR CONSTRUCTION

Project Name
3RD AVENUE + INDIAN SCHOOL ROAD - SCOTTSDALE, AZ

Project Number
057.6850.000

Description
LIGHTING CUT SHEETS

Scale

52.2

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