LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

6SL

6" LED Module
with Integrated Wireless Speaker
IC/Non-IC Retrofit

FEATURES & SPECIFICATIONS

INTENDED USE — LED Wireless Speaker Downlight provides an easy and efficient way to light up a room, and enjoy music for the entire family. Wirelessly stream audio from Bluetooth™ enabled devices. Pair up to 8 units together for an enhanced sound experience. Retrofit into most standard 6" recessed housings or new construction and remodel applications.

CONSTRUCTION — Aluminum die cast trim with polycarbonate housing. Round fixture with integral LED's.

PATENT PENDING

OPTICS — Diffused lens surrounding speaker provides even light distribution for general illumination. The LED module maintains at least 70% light output for 35,000 hours.

Wide flood beam angle at >45°.

ELECTRICAL — High-efficiency driver mounted on the module. 1 x 1 4Ω, 5W loudspeaker. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing or E26 adapter provided. Accommodates 120 volts DC at 60Hz.

Dimming down to 10% with most standard incandescent, magnetic low voltage and electronic low voltage dimmers. For compatible dimmers, see page 4 for recommended triac dimmers.

Rechargeable lithium ion battery that lasts up to 6 hours when the light is off. The battery charges when light is turned on and takes approximately 4 hours to fully charge.

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

E26 socket adapter ships standard, except in the state of CA.

Twin torsion springs ensure easy installation for 6" recessed housings. Tested to fit in a minimum enclosure of 6" diameter by 6" height, with a maximum flange diameter of 7.5" For examples of compatible housings

No third party application required to operate speaker downlight.

LISTINGS — ETL certified to US and Canadian safety standards. Wet location listed. WSEC ASTM E283 for Air-Tight (with IC housings).

WARRANTY — 3-year limited warranty for LED's and Driver. 1-year limited warranty for Speaker. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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.

E26 adaptor
(included)

Bluetooth® **DIMMABLE LED®** **WET LOCATION™**

Specifications

Aperture:	6 (15.1)
Speaker:	3-7/16 (8.7)
Ceiling opening:	Determined by rough-in
Overlap trim:	7-11/16 (19.5)
Height:	5 (12.6)

All dimensions are inches (centimeters) unless otherwise indicated.

5 (12.6)
3-7/16 (8.7)
6 (15.1)
7-11/16 (19.5)
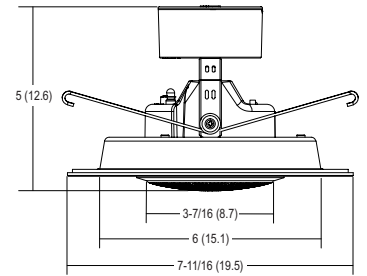
ORDERING INFORMATION For shortest lead times, configure product using **standard options (shown in bold).**

Example: 6SL RD 07LM 30K 90CRI MW

6SL								
Series		**Reflector**		**Nominal Lumens**		**CCT/W/Lumens**	**CRI**	**Finish**
6SL	6" Wireless Speaker Downlight	**RD** Round		**07LM** 700 Lumens		**27K** 2700 K/ 11W / 650L	**90CRI** 90CRI	**MW** Matte white

Accessories: *Order as separate catalog number.*
TSA — Makes non-bracket housing compatibility with the LED module, ships as a J6 or J25.
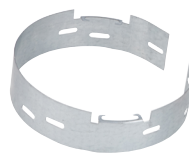
Torsion Spring Adaptor

QUICK START INSTALLATION GUIDE

1

Pair first speaker light (MASTER) to your Bluetooth® enabled device prior to installation.

2

Sync additional (SATELLITE) units (up to 7) to MASTER unit prior to installation.
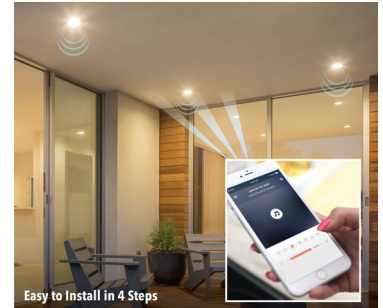
3

Disconnect power at the circuit breaker, then install to recessed housing.

4

Reconnect power at circuit breaker, use light as usual, and enjoy music from any streaming service you like.

Easy to Install in 4 Steps

SPEAKER PAIRING CONFIGURATION

Master Speaker

Satellite Speaker

Max. Range
60' (18m)

Max. 30' (9m)

Recommended distance from **Bluetooth**® device to master speaker – up to 30 feet
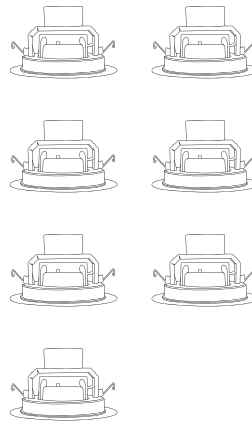
SPEAKER MODULE INSTALLATION GUIDE

6SL Companion Downlight

+

6SL Speaker Module
(sold separately)

=

Speaker Downlight
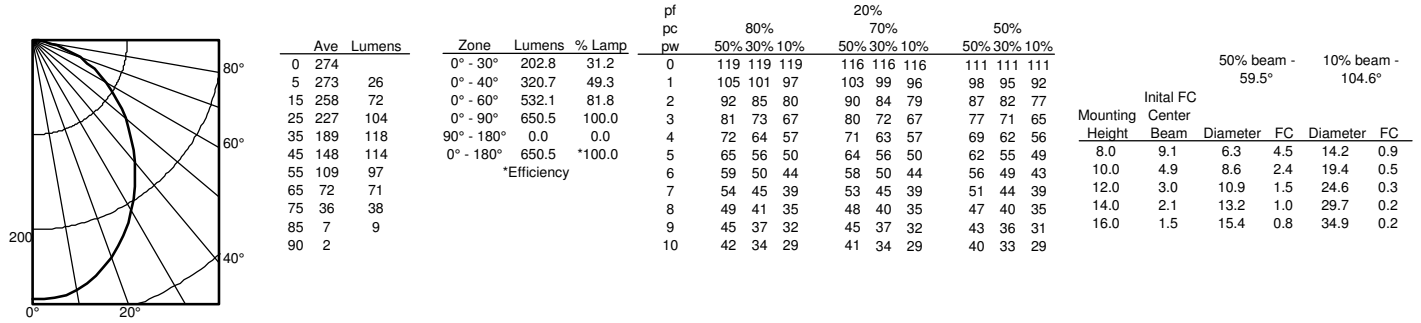
LITHONIA LIGHTING®

6SL LED
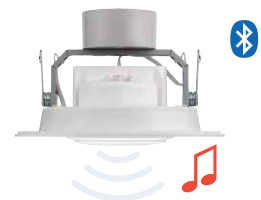
6SL 6" LED Wireless Speaker Downlight

PHOTOMETRICS

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

6SL RD 07LM, 27K, 90CRI, input watts: 15, delivered lumens: 650, LM/W=43, test no. ISF 34470P1, tested in accordance with IES LM 79-80

Distribution Data

	Ave	Lumens
0	274	
5	273	26
15	258	72
25	227	104
35	189	118
45	148	114
55	109	97
65	72	71
75	36	38
85	7	9
90	2	

Output Data

Zone	Lumens	% Lamp
0° - 30°	202.8	31.2
0° - 40°	320.7	49.3
0° - 60°	532.1	81.8
0° - 90°	650.5	100.0
90° - 180°	0.0	0.0
0° - 180°	650.5	*100.0

*Efficiency

Coefficient of Utilization

pf pc pw	80%			20% 70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	105	101	97	103	99	96	98	95	92
2	92	85	80	90	84	79	87	82	77
3	81	73	67	80	72	67	77	71	65
4	72	64	57	71	63	57	69	62	56
5	65	56	50	64	56	50	62	55	49
6	59	50	44	58	50	44	56	49	43
7	54	45	39	53	45	39	51	44	39
8	49	41	35	48	40	35	47	40	35
9	45	37	32	45	37	32	43	36	31
10	42	34	29	41	34	29	40	33	29

Illuminance Data at 30" Above Floor for a Single Luminaire

Mounting Height	Inital FC Center Beam	50% beam - 59.5° Diameter	FC	10% beam - 104.6° Diameter	FC
8.0	9.1	6.3	4.5	14.2	0.9
10.0	4.9	8.6	2.4	19.4	0.5
12.0	3.0	10.9	1.5	24.6	0.3
14.0	2.1	13.2	1.0	29.7	0.2
16.0	1.5	15.4	0.8	34.9	0.2

ADDITIONAL DATA, DIMMING, AND LIGHTING FACTS

Lithonia Lighting

LED lighting facts®
A Program of the U.S. DOE
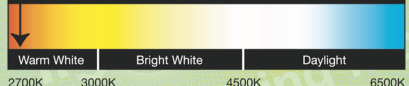
Light Output (Lumens)	**650**
Watts	**11**
Lumens per Watt (Efficacy)	**59.09**

Color Accuracy
Color Rendering Index (CRI)	**90**

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: NJSM-BP1ZP8 (6/14/2017)
Model Number: 6SL RD 07LM 27K 90CRI MW [Upgrade : 6/14/2017]
Type: Luminaire - Downlight

COMPATIBLE DIMMERS					
Manufacturer	**Model Number**	**Type**	**Trim?**	**Style**	**Wattage**
Lutron	DVCL-153P-WH	Triac	Yes	Decora	150
Lutron	AYCL-153P-WH	Triac	Yes	Toggle	150
Lutron	CTCL-153P-WH	Triac	Yes	Slider	150
Lutron	DVELV-300P	ELV	No	Decora	300
Lutron	300P SELV	ELV	No	Slider	300
Leviton	6633-PA	Triac	No	Slider	600
Pass & Seymour	HCL453PTCCCV6	Triac	Yes	Decora	450
Synergy/Leviton	ISD 600 I 120 / IPI06	Triac	No	Slider	600
Lutron	NTELV-300P	ELV	No	Slider	300
Leviton	6615-P	ELV	No	Slider	300
Synergy/Leviton	ISD 400 ELV 120 / IPE04	ELV	No	Slider	400
Sensorswitch	nSP5 PCD 2W	nLight	Yes	80/120	20/120
Sensorswitch	nSP5 PCD ELV 120	nLight	Yes	80/120	20/120