LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The 6" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel from below the ceiling without the requirement of a pot light housing. The LED module maintains at least 70% light output for 36,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

CONSTRUCTION — Ideal for shallow ceiling plenum since a pot light housing is NOT required. IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Round fixture with integral edge-lit LED's. Steel spring clip for easy installation. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (6) 14 gauge insulated conductor, or (4) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly.

PATENT PENDING.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 6" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 6 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications with the WF8643 Pan. 2" plenum space required for installation of the remote driver box.

OPTICS — Polycarbonate lens provides even illumination throughout the space.

ELECTRICAL — Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% (See page 2 for recommended dimmers). Replaces 75W incandescent for 865 lumens and 100W incandescent for 1020 lumens.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified product. Wet location. Air Tight certified in accordance with ASTM E283-2004. NOM Certified.

WARRANTY — 5-year limited warranty. 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.

Wafer LED Recessed Downlight

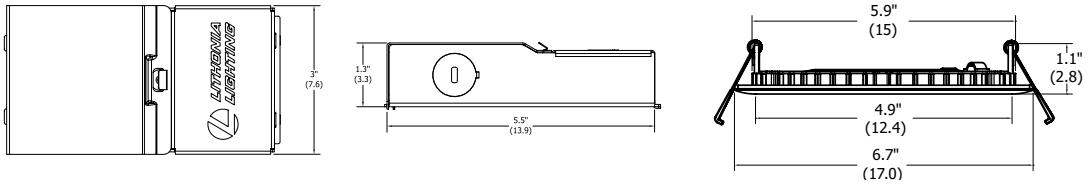
WF6
6" LED Module

IC/Non-IC
New Construction/Remodel



Specifications

Aperture:	4.9 (12.4)
Ceiling opening:	6 (15.2)
Overlap trim:	6.7 (17)
Height:	1.1 (2.8)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

Example: WF6 LED 30K MW

WF6			
Series	**Lamp**	**CCT/CRI/W/Lumens** [1]	**Finish**
WF6 6" wafer-thin LED downlight	**LL LED** Low Lumen LED	**27K** 2700K/80CRI/12.7W/780L	**BN** Brushed nickel

Notes
1 Total system delivered lumens.

Accessories: *Order as separate catalog number.*

WF6 PAN R12	6" new construction pan, retail pack of 12
WF8643 PAN U	Universal new construction pan, unit pack
WFJB U	Remodel Joist Bar
WFEXC6 U	6' 2 pin FT4 cable
WFEXC10 U	10' 2 pin FT4 cable
WFEXC20 U	20' 2 pin FT4 cable
WF6GR MW JZ	6" round oversized trim ring



Remodel Joist Bar



WF6 PAN



WF8643 Pan



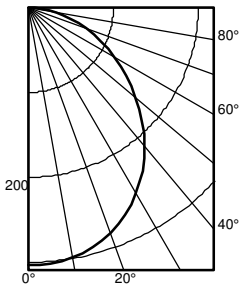
Extension Cable (2 pin)

WF6 6" LED Wafer Module

PHOTOMETRICS

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

WF6 LL LED 27K, 2700 K LEDs, input watts: 12.7, delivered lumens: 819, LM/W=64.4, test no. ISF 32780P1



	Ave	Lumens
0	304	
5	303	29
15	293	83
25	269	124
35	234	146
45	189	146
55	140	126
65	94	93
75	52	55
85	16	17
90	1	

Zone	Lumens	% Lamp
0° - 30°	235.3	28.7
0° - 40°	381.3	46.6
0° - 60°	652.9	79.7
0° - 90°	819.0	100.0
90° - 120°	0.1	0.0
90° - 130°	0.1	0.0
90° - 150°	0.1	0.0
90° - 180°	0.1	0.0
0° - 180°	819.1	*100.0

*Efficiency

pf / pc / pw	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	83	77	85	80	76
3	80	72	65	78	71	65	75	69	64
4	71	62	56	70	62	55	67	60	54
5	64	55	48	62	54	48	60	53	47
6	57	48	42	56	48	42	55	47	41
7	52	43	37	51	43	37	50	42	37
8	48	39	33	47	39	33	46	38	33
9	44	36	30	43	35	30	42	35	30
10	40	32	27	40	32	27	39	32	27

Mounting Height	Inital FC Center Beam	50% beam - 63.4° Diameter	50% beam - 63.4° FC	10% beam - 107.4° Diameter	10% beam - 107.4° FC
8.0	10.0	6.8	5.0	15.0	1.0
10.0	5.4	9.3	2.7	20.4	0.5
12.0	3.4	11.7	1.7	25.9	0.3
14.0	2.3	14.2	1.1	31.3	0.2
16.0	1.7	16.7	0.8	36.8	0.2

ENERGY DATA & DIMMING CAPABILITY

6" LOW LUMEN ENERGY DATA				
Color Temperature	2700K	3000K	4000K	5000K
Lumens	780	800	850	900
CRI	80	80	80	80
Lumens/Watt	61.3	63.5	65.9	75
Min. starting temperature	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A Standards	Class A Standards	Class A Standards	Class A Standards
Input voltage	120V	120V	120V	120V
Min. power factor	0.99	0.99	0.99	0.99
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	12.7W	12.6W	12.9W	12W
Input power	12.7W	12.6W	12.9W	12W
Input current	0.11A	0.11A	0.11A	0.10A

COMPATIBLE DIMMERS					
Leviton	**Lutron**			**Sensorswitch**	**Synergy/Leviton**
6633-PA	Maestro MACL-153M (TX)	Diva/Skylark DVRP-253PCTRP-253P	Panel Module HW/LP-RPM-4A-120	nSP5 PCD 2W	ISD 600 I 120/IPI06
IPL06-LED/INC mode	Maestro Wireless MRF2-6ELV	Skylark CTCL-150	Panel Module HW/LP-RPM-4U-120	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
6615-P	Gen 3.0 DVCL-153P (T9)	Caseta Wireless PD-5NE	Grafik QS/Wallbox LQRJ-WPM-6P		
	Maestro MSCL-OP153M	Maestro MACL-LFQ	Grafik Eye 3000 Family HWI-WPM-6D-120		
	Caseta Wireless PD-6WCL	RadioRA2 RRD-6NA	HomeWorksQS / my Room LQSE-4A1-D/ MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D,120V		
	Grafik T GT-5NEM / GTJ-5NEM	HomeWorks HQRD-6NA	Homeworks QS LQSE-4A-120-D		

*Requires Lutron Smart Bridge L-BDG2-WH (sold separately)

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