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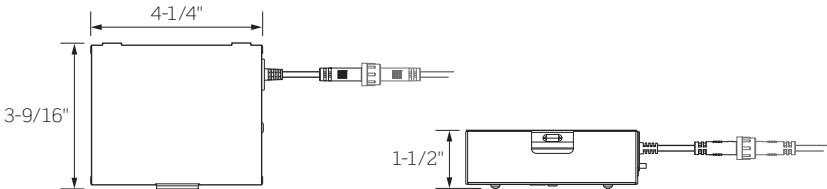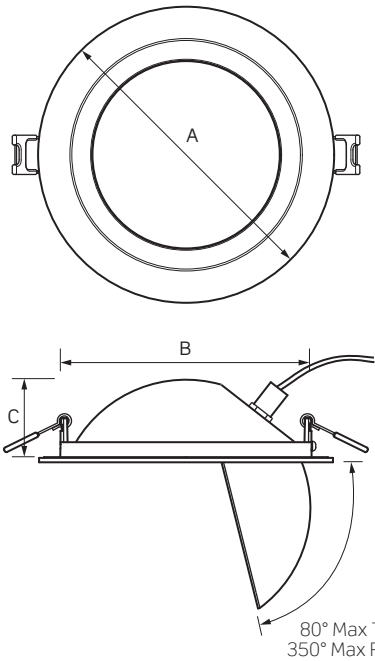# WFAR SERIES | Round Adjustable Slim Downlights

DISCONTINUED ITEM
LIMITED INVENTORY
Consult Factory for Availability

cETLus Listed	Wet Location	ENERGY STAR®	T24 Part 6 JA8	IC Rated	Air-Tight

80° Max Tilt
350° Max Rotation

	A	B	C	Ceiling Cut-Out
WFAR4	5-1/16"	4-1/4"	1-1/4"	4-1/2"
WFAR6	7-1/4"	6-3/8"	1-7/8"	6-1/2"

Recommended Ceiling Thickness: 1-1/2" Max.
Total Cable Length: 17-3/4"

4-1/4"
3-9/16"
1-1/2"

Remote Driver / Junction Box

	WFAR4	WFAR6
SIZE	4-Inch Round	6-Inch Round
LUMEN OUTPUT[1]	800Lm	1100Lm
INPUT POWER	12W	15W
INPUT VOLTAGE, FREQUENCY	120VAC, 50/60Hz	
DIMMING TYPE	Forward or Reverse Phase Dimming from 100% to 10%	
COLOR TEMPERATURE	Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K	
CRI	90+	
LISTINGS	cETLus Listed; Suitable for Wet Locations ENERGY STAR® Certified Can be used to comply with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements Insulated Ceiling (IC) Rated Compliant with ASTM E283 (Air Leakage Rate 2.0 CFM or Less) Suitable for use in clothes closets when installed in accordance with NEC® 410.16 (A)(1) (C)(3) spacing requirements	
WARRANTY	Five (5) year replacement after date of purchase	
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance	

1. Lumen values are nominal and vary based on CCT

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WFAR SERIES | Round Adjustable Slim Downlights

ORDERING INFORMATION

Example Order: WFAR4-SW5C12D-MW

Housing		Color Temp/CRI		Driver/Dimming		Finish
WFAR4 4-In. Adjustable Slim **WFAR6** 6-In. Adjustable Slim	—	**SW5C** 5-CCT Selectable / 90+ CRI *2700K	3000K	3500K	4000K	5000K*		**12D** 120V Phase Dimming (Forward/Reverse)	—	**MW** Matte White

ACCESSORY ORDERING INFORMATION

WFRPLU
New Construction Mounting Plate
Can be used for extra support, adaptable to various luminaire sizes, as well as for mounting the Remote Driver Box

Accessory
WFRPLU New Construction Mounting Plate for 4- and 6-Inch Round WFAR Series Downlights

WFEC Series
Driver / Junction Box Extension Cables

Accessory	
WFEC6	6 Foot Driver / Junction Box Extension Cable
WFEC10	10 Foot Driver / Junction Box Extension Cable
WFEC20	20 Foot Driver / Junction Box Extension Cable

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WFAR SERIES | Round Adjustable Slim Downlights

PRODUCT SPECIFICATIONS

- The Round Adjustable Slim Downlights are available in 4-inch and 6-inch diameters
- Direct mount downlighting solution that does not require an existing Housing or Junction Box
- Fully adjustable: up to 80° of tilt and 350° of rotation
- Delivering up to 1100 Lumens, the Round Adjustable Slim Downlight Series is well suited for most residential and light commercial applications
- Field selectable color temperature

PERFORMANCE SUMMARY

- Field selectable Color Temperature from 2700K, 3000K, 3500K, 4000K and 5000K; Selector Switch located on the Driver / Junction Box housing for easy selection prior to installation
- Light Engine consists of 90+ CRI LEDs with R9>50 and color accuracy within 4 SDCM
- 120V Forward or Reverse Phase Dimming from 100% to 10%, compatible with standard incandescent Dimmers (see Dimmer Compatibility List below)
- Meets Class A Sound Rating
- Polycarbonate Diffusion Lens provides a smooth, uniform wide beam distribution

CONSTRUCTION

- IC Rated Die-cast Aluminum Housing, Matte White Painted Finish
- Diffuse Polycarbonate Lens provides soft even illumination across the light emitting surface
- Remote Driver (Junction Box) is constructed of Galvanized Steel and comes with two (2) conduit Pry-outs
- Includes poke-in quick Wiring Connectors for easy installation
- Closed Cell Gasket included for use in Wet Location environments or when restrictive airflow is needed

COMPATIBLE DIMMERS

- Incandescent 120V AC Dimmers adjust the light with Forward Phase Control, where the Dimmer "chops" the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with Reverse Phase Control, where the Dimmer "chops" the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.

DIMMING TYPE: Forward/Reverse Phase
TYPICAL DIMMING RANGE: 100% to 10%

Supplier	Series	Model No.
Leviton	SureSlide	6674, 6674N, 66DF
Leviton	IllumaTech	IPL06, IPE04
Leviton	Decora Digital	DDL06-BL, DDM06, DDMX1, DDE06
Leviton	Decora Slide	DSE06, DSM10, DSL06
Leviton	Trimatron Rotary	RDL06, RNL06
Leviton	Toggle Slide	TSL06, TSM10
Leviton	Decora Smart Wi-Fi	D26HD, DN6HD, D2MSD, DWVAA
Leviton	Decora Smart Z-wave	ZW6HD
Leviton	Decora Evolve	VM2D3, VMDD3
Lutron	Diva	DVCL-153P
Lutron	Skylark	CTCL-153P
Lutron	Ariadni Toggler	TGCL-153P
Lutron	Maestro	MACL-153M
Lutron	Caseta	P-PKG1W-WH-R
Eaton	Eaton Slide	SAL06P-W

NOTES

1. Testing has been performed on these Dimmers, but this does not imply any warranty of compatibility.
2. Dimming performance can be influenced by different Loads, as well as variations in Dimmer Switches within the same Model.
3. Dimmer Maximum Load Rating with LED may differ from published Traditional Source Dimmer Ratings; consult Dimmer Manufacturer for maximum Dimmer information.
4. Consult factory for additional dimming information.

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WFAR SERIES | Round Adjustable Slim Downlights

PHOTOMETRICS

WFAR4-SW5C12D-MW: 4-Inch Round Matte White Adjustable

LM-63 Test No. G23110901; **LM-79 Test No.** S23082507

Fixture Delivered Lumens: 900.8
Total Watts@120V: 12.2
Lumens Per Watt: 74.4
Center Beam Candle Power: 358
Beam Distribution: 101°
Spacing Criterion: 1.29
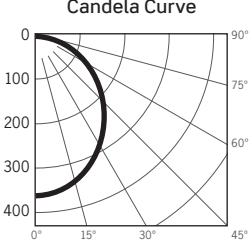Color Rendering Index (CRI)[1]: 94.2
Color Temperature (CCT)[2]: 3030K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	9.9	14.7
8 FT	5.6	19.6
10 FT	3.6	24.5
12 FT	2.5	29.3
14 FT	1.8	34.2
16 FT	1.4	39.1

Candela Curve

Photometric Data

NOM. CCT	LUMENS	POWER (W)	Lm/W
2700K	901	12.1	74.4
3000K	901	12.2	74.4
3500K	989	12.0	82.4
4000K	997	12.1	82.4
5000K	956	12.1	79.0

WFAR6-SW5C12D-MW: 6-Inch Round Matte White Adjustable

LM-63 Test No. G23110803; **LM-79 Test No.** S23082507

Fixture Delivered Lumens: 1177.3
Total Watts@120V: 14.2
Lumens Per Watt: 82.9
Center Beam Candle Power: 450
Beam Distribution: 102°
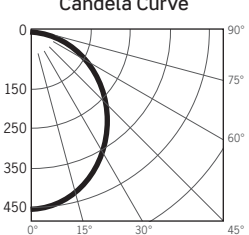Spacing Criterion: 1.31
Color Rendering Index (CRI)[1]: 94.2
Color Temperature (CCT)[2]: 3030K
Designed for 50,000 Hour Lamp Life[3]

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
6 FT	12.5	14.9
8 FT	7.0	19.9
10 FT	4.5	24.8
12 FT	3.1	29.8
14 FT	2.3	34.8
16 FT	1.8	39.7

Candela Curve

Photometric Data

NOM. CCT	LUMENS	POWER (W)	Lm/W
2700K	1143	14.0	81.6
3000K	1177	14.2	82.9
3500K	1222	14.0	87.3
4000K	1237	14.1	87.8
5000K	1218	14.1	86.4

1. Accuracy of Rendering Colors   2. Color Appearance of Light Source   3. Dependent on Surrounding Temperatures
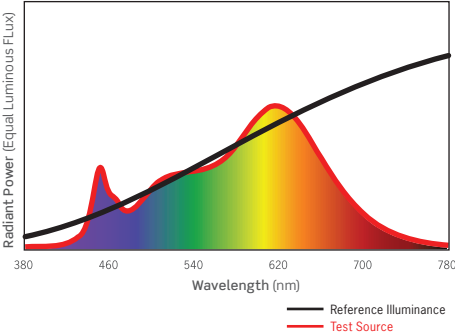
TM-30 DATA

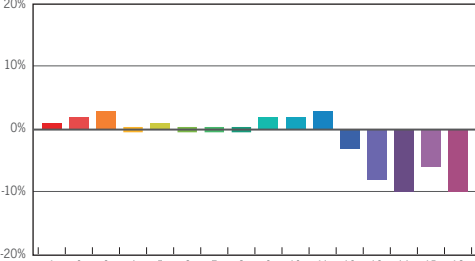### WFAR6-SW5C12D-MW: 6-Inch Round Matte White Adjustable

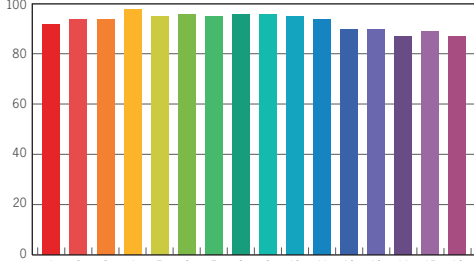**ANSI/IES TM-30-18 Color Rendition Report Test No.** S23082507   Colors are for visual orientation purposes only

Spectral Power Distribution Comparison

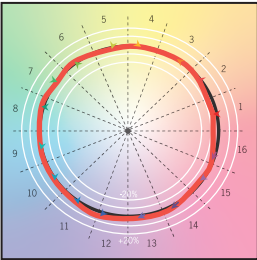Reference Illuminance
Test Source

Percentage Shift by Hue

Rf by Hue

HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	1%	2%	3%	0%	1%	0%	0%	0%	2%	2%	3%	-3%	-8%	-10%	-6%	-10%
R_f VALUE	92	94	94	98	95	96	95	96	96	95	94	90	90	87	89	87

R_f	94
R_g	101
CCT(K)	3086K
D_{uv}	-0.0040
u^I	0.25
v^I	0.5152

Color Vector Graphic

Reference Illuminance
Test Source