DAR Series
Adjustable Slim Downlight

DATE	PROJECT
TYPE	CATALOG NO.

cETLus Listed | Wet Location | ENERGY STAR® | Title 24 JA8 Compliant | Air-tight | IC Rated

DAR60-S1W

DAR40-S1W

LED DIMMABLE

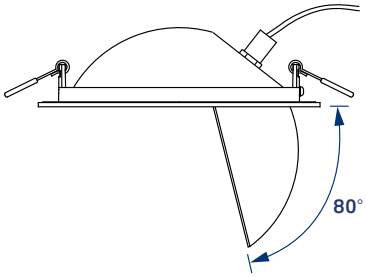
PRODUCT OVERVIEW

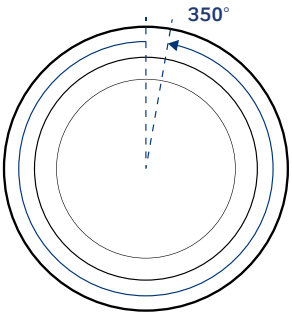
FEATURES

- Available in 4- and 6-inch diameter models
- Field selectable color temperature (CCT)
- Fully adjustable: up to 80° of tilt and 350° of rotation
- Closed cell gasket included for use in wet location environments
- 120V Forward or Reverse Phase Dimming down to 10%
- IC Rated, air-tight, and ENERGY STAR®

5 Selectable CCTs
2700K/3000K/3500K/4000K/5000K

Fully Adjustable
80° tilt and 350° rotation





PERFORMANCE

Catalog No.	Size	Lumen Output[1]	Input Power	CRI	Color Temperature
DAR40-S1W	4-Inch Round	820Lm	10W	90+	2700K / 3000K / 3500K / 4000K / 5000K
DAR60-S1W	6-Inch Round	1100Lm	13W		

1. Values are nominal and vary based on CCT

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TECHNICAL INFORMATION

MATERIAL SPECIFICATIONS

Fixture
Die cast aluminum

Shape
Round

Sizes
Available in 4- and 6-inch diameter models

Finish
Matte white

Lens
Polycarbonate light diffuser for uniform even light distribution

Trim Style
Smooth

LED CHARACTERISTICS

Color Temperature
Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K
Factory default set to 2700K

Color Rendering Index (CRI)
90+

R9 Value
High color performance with R9 value greater than 50

Color Consistency
<4-Step MacAdam Ellipse binning to achieve Fixture to Fixture Color Consistency

Beam Angle
101° (4"), 103° (6")

LED Life
50,000 Hours @ 70% Lumen Maintenance

ELECTRICAL

Driver
Constant Current, Class 2

Power Factor
≥0.9

Input Voltage
120V

Operating Frequency
60Hz

Operating Temperature
-4°F to 104°F (-20°C to 40°C)

Dimmable
120V Forward or Reverse Phase Dimming down to 10%
(See dimmer compatibility list)

COMPLIANCE

cETLus
cETLus listed in accordance with UL 1598 and CSA C22.2 No. 250.0

Environment
Suitable for Wet Locations, covered ceilings

Energy Rating
ENERGY STAR® Certified

Title 24
Complies with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements

National Electric Code (NEC)
Suitable for use in clothes closets when installed in accordance with NEC® 410.16 (A)(1) (C)(3) spacing requirements

IC Rated
Suitable for direct contact with insulation

Air-Tight
Housing certified in accordance with ASTM E283

INSTALLATION

Mounting
No housing required. Two steel tension spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 1-1/2 inches. New construction mounting plates are available.

Remote Driver Construction
Steel driver/junction box with captive hinged junction box cover. Easy to wire 1 in / 1 out (plus ground) applications. Two (2) conduit pry outs and three (3) poke-in connectors to facilitate wiring.

Template Size
4-inch: 4-1/2"
6-inch: 6-1/2"

5 YEAR LIMITED WARRANTY

Leviton warrants to its customer and the original end user the LED electronics and components of its properly installed LED products, to be free of defects in material and workmanship, in normal use, for a period of five (5) years from the date of shipment by Leviton and warrants the painted finish for a period of one (1) year from the date of shipment by Leviton.

See the rest of our warranty here.

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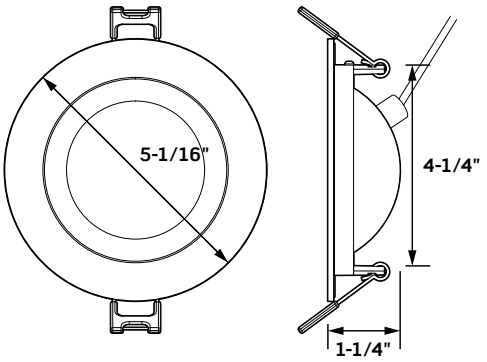
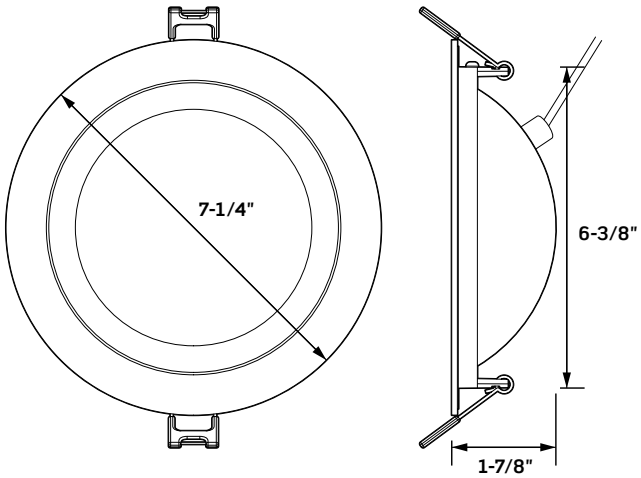
DIMENSIONS

DAR40-S1W



DAR60-S1W



ORDERING INFORMATION

ADJUSTABLE SLIM DOWNLIGHTS

CAT. NO.	Description	UPC Number	Std. Pack
DAR40-S1W	4" Round Adjustable Slim Downlight	07847702366 2	12
DAR60-S1W	6" Round Adjustable Slim Downlight	07847702367 9	12

ACCESSORIES

CAT. NO.	Description	UPC Number	Std. Pack
DBRCX-H00	4"/6" New Construction Mounting Plate	07847702352 5	15
DBRUX-H00	4"/6"/8" New Construction Mounting Plate	07847702024 1	15

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DIMMER COMPATIBILITY

The following list of Dimming Controls have gone through testing by Leviton to determine proper operation when paired with the Leviton Surface Mount Downlights

Supplier	Series	Model No.	Dimming Type	Dimming Range
Leviton	SureSlide	6674	Forward Phase	100-10%
Leviton	SureSlide	6674N	Forward Phase	100-10%
Leviton	SureSlide	66DF	Forward Phase	100-10%
Leviton	IllumaTech	IPL06	Forward Phase	100-10%
Leviton	IllumaTech	IPE04	Reverse Phase	100-10%
Leviton	Decora Slide with Lever Edge	ESL01	Forward Phase	100-10%
Leviton	Decora Slide	DSL06	Forward Phase	100-10%
Leviton	Decora Slide	DSE06	Reverse Phase	100-10%
Leviton	Decora Slide	DSM10	Forward Phase	100-10%
Leviton	Decora Digital	DDM06	Forward Phase	100-10%
Leviton	Decora Smart Wi-Fi	D26HD	Forward Phase	100-10%
Leviton	Decora Smart Wi-Fi	D2ELV	Phase Selectable (Reverse / Forward)	100-10%
Leviton	Decora Smart Wi-Fi	D2MSD	Forward Phase	100-10%
Leviton	Decora Smart Z-Wave	ZW6HD	Forward Phase	100-10%
Leviton	Decora Evolve	VM2D3	Forward Phase	100-10%
Leviton	Decora Evolve	VMDD3	Forward Phase	100-10%
Leviton	Toggle Slide	TSL06	Forward Phase	100-10%
Leviton	Toggle Slide	TSM10	Forward Phase	100-10%
Leviton	Trimatron Rotary	RDL06	Forward Phase	100-10%
Leviton	Trimatron Rotary	RNL06	Forward Phase	100-10%

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DAR Series
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DATE	PROJECT
TYPE	CATALOG NO.

PHOTOMETRICS

DAR40-011-S1W: 4-Inch Round Adjustable Slim Downlight

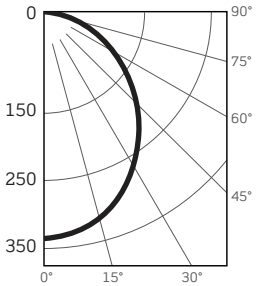
Fixture Delivered Lumens: 846
Total Watts@120V: 9.9
Lumens Per Watt: 85.4
Center Beam Candle Power: 335
Beam Distribution: 101°
Spacing Criterion: 1.29
Color Rendering Index (CRI)[1]: 92.6
Color Temperature (CCT)[2]: 3084K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G24110102
LM-79 Test No. S24091302

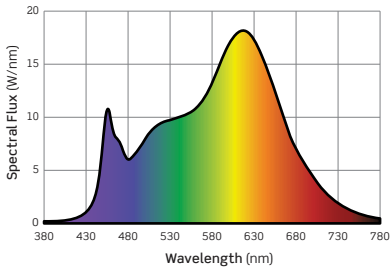
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	9.3	14.6
8 FT	5.2	19.5
10 FT	3.4	24.3
12 FT	2.3	29.2
14 FT	1.7	34.1
16 FT	1.3	38.9

Candela Curve



Spectral Power Distribution Chart[4]



DAR60-011-S1W: 6-Inch Round Adjustable Slim Downlight

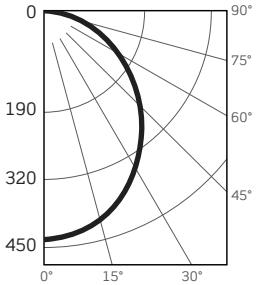
Fixture Delivered Lumens: 1124
Total Watts@120V: 13.0
Lumens Per Watt: 86.5
Center Beam Candle Power: 434
Beam Distribution: 103°
Spacing Criterion: 1.30
Color Rendering Index (CRI)[1]: 92.6
Color Temperature (CCT)[2]: 2981K

Designed for 50,000 Hour Lamp Life[3]
LM-63 Test No. G24110106
LM-79 Test No. S24091307

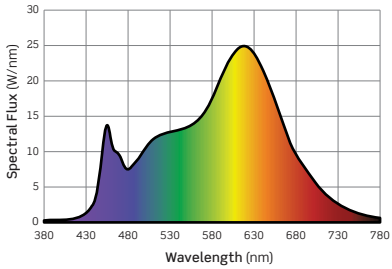
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	12.1	15.1
8 FT	6.8	20.2
10 FT	4.3	25.2
12 FT	3.0	30.3
14 FT	2.2	35.3
16 FT	1.7	40.3

Candela Curve



Spectral Power Distribution Chart[4]



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI), Trim Finish, and Wattage.

To estimate lumen output of other combinations, multiply the published results by the following factors:

DAR40	
CCT	90+ CRI
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.04
5000K	1.04

DAR60	
CCT	90+ CRI
2700K	0.98
3000K	1.00
3500K	1.03
4000K	1.04
5000K	1.05

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DAR Series
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DATE	PROJECT
TYPE	CATALOG NO.

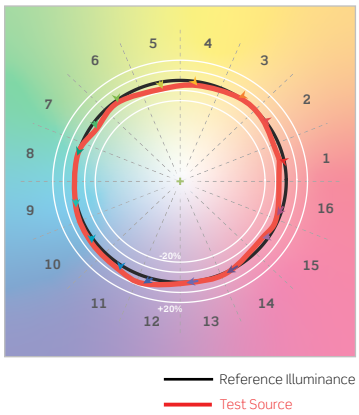
PHOTOMETRICS

TM-30 DATA: DAR40-011-S1W 4-Inch Round Adjustable Slim Downlight

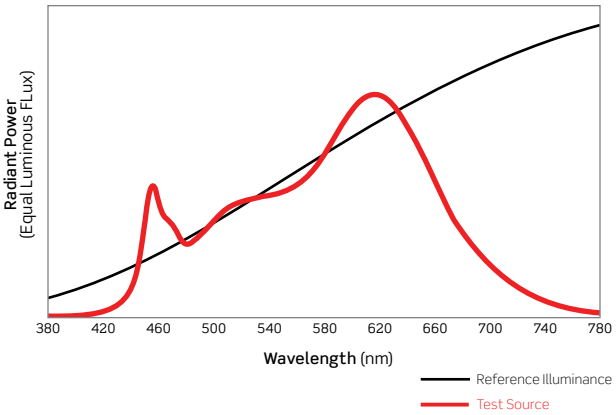
ANSI/IES TM-30-18 Color Rendition Report Test No. S24091302

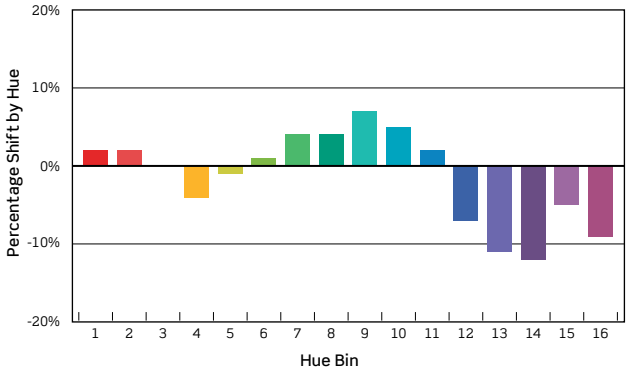
R_f	91
R_g	98
CCT(K)	3084K
D_{uv}	-0.0032
u'	0.2489
v'	0.5152

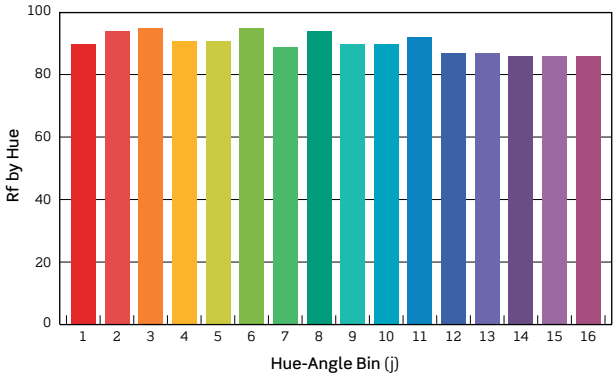
Color Vector Graphic



Spectral Power Distribution Comparison







HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	2%	2%	0%	-4%	-1%	1%	4%	4%	7%	5%	2%	-7%	-11%	-12%	-5%	-9%
R_f VALUE	90	94	95	91	91	95	89	94	90	90	92	87	87	86	86	86

Colors are for visual orientation purposes only

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DAR Series
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TYPE	CATALOG NO.

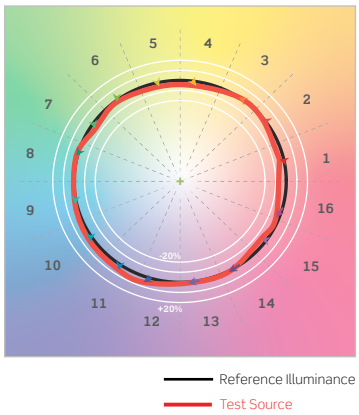
PHOTOMETRICS

TM-30 DATA: DAR60-011-S1W 6-Inch Round Adjustable Slim Downlight

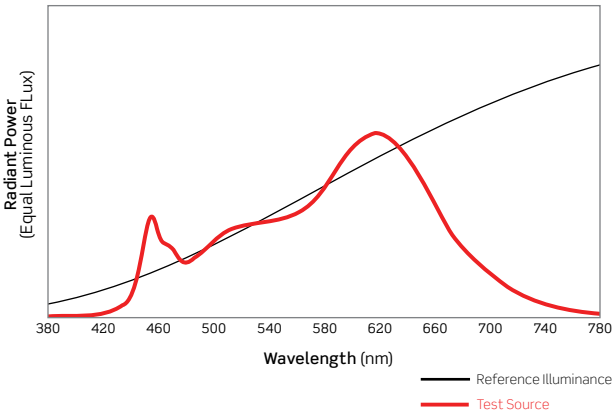
ANSI/IES TM-30-18 Color Rendition Report Test No. S24091307

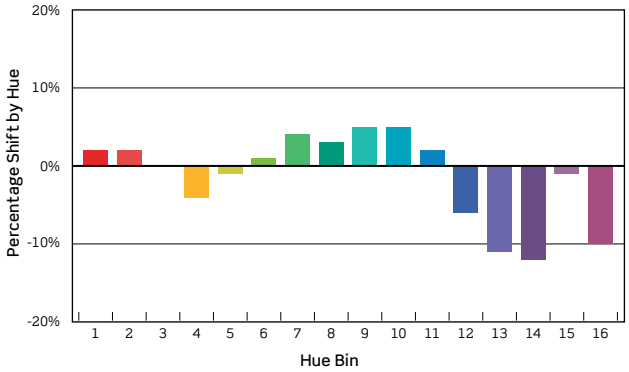
R_f	91
R_g	98
CCT(K)	2981K
D_{uv}	-0.0037
u'	0.2525
v'	0.5165

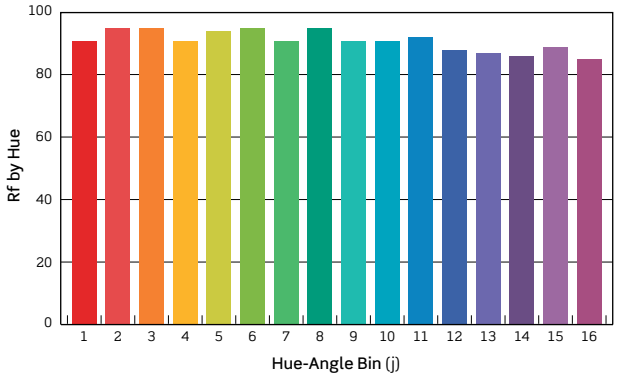
Color Vector Graphic



Spectral Power Distribution Comparison







HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	2%	2%	0%	-4%	-1%	1%	4%	3%	5%	5%	2%	-6%	-11%	-12%	-1%	-10%
R_f VALUE	91	95	95	91	94	95	91	95	91	91	92	88	87	86	89	85

Colors are for visual orientation purposes only

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