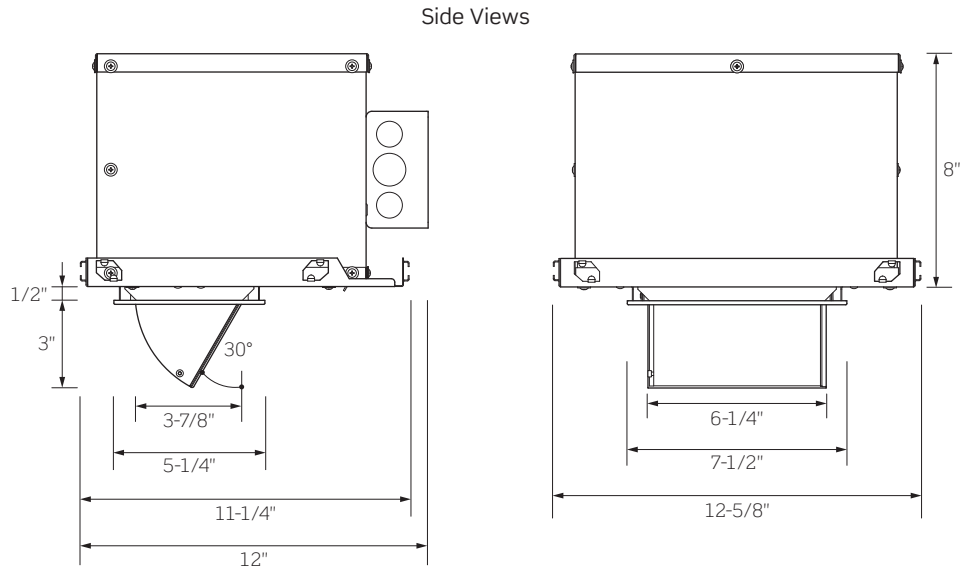


R6W SERIES | 6-Inch Stealth Pull Down Wall Lighter Downlight for Non-IC (SA) and Insulated Ceilings (IC)



Ceiling Opening: 4-7/8" by 7-1/4"
Ceiling Thickness: 1/2" - 1-1/2"



cCSAus
Listed



Damp
Location



IC Rated



ASTM
E283



CCEA
Rated



ENERGY STAR®
Certified

	R6WIC1	R6WIC2	R6WSA3	R6WSA4	R6WSA5
WATTAGE	17W	23W	29W	33W	39W
LUMEN OUTPUT¹	2300Lm	3100Lm	3800Lm	4300Lm	5000Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K				
CRI	83 (80min)/90+				
DRIVER INPUT WATTAGE	17W	23W	29W	33W	39W
INPUT CURRENT (A) 120V/277V	.14/.06	.19/.08	.24/.10	.28/.12	.33/.14
INPUT VOLTAGE	120V - 277V, 50/60Hz				
Standard Driver (Phase/0-10V)	120V - 277V, 50/60Hz		N/A	N/A	N/A
Lutron Eco-System® Driver	120V - 277V, 50/60Hz				
eldoLED ECOdrive / SOLOdrive	120V - 277V, 50/60Hz			N/A	
DRIVER POWER FACTOR	> 0.90				
TOTAL HARMONIC DISTORTION	< 20%				
LISTINGS	cCSAus Certified to UL Standards; Suitable for Damp Locations Compliant with ASTM E283; Air Leakage Rate 2.0 CFM or Less CCEA Chicago Plenum Listed ENERGY STAR® Certified				
WARRANTY	Five (5) year replacement after date of purchase				
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance				

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

R6W SERIES | 6-Inch Stealth Pull Down Wall Lighter Downlight for Non-IC (SA) and Insulated Ceilings (IC)

ORDERING INFORMATION

Example Order: R6WSA427KMVD-P

Housing/LED Series	Color Temp/CRI	Dimming	Finish
<i>Insulated Ceiling (IC)/StopAire™ Rated</i> R6WIC1 17W / 2300lm R6WIC2 23W / 3100lm <i>Non-IC/StopAire™ Rated</i> R6WSA3 29W / 3800lm R6WSA4 33W / 4300lm R6WSA5 39W / 5000lm	83 (80min) CRI 27K 2700K 30K 3000K 35K 3500K 40K 4000K 90 CRI 27KC 2700K 30KC 3000K 35KC 3500K 40KC 4000K	ALL MVD DRIVER OPTIONS ARE MULTI-VOLT 120-277V MVD¹ Phase (Forward/Reverse) / 0-10V Dimming MVD2 0-10V, 1% Dimming MVD4² Lutron Hi-lume EcoSystem 1% Dimming with Soft-on, Fade-to-Black MVD6^{3,4} eldoLED ECOdrive: 0-10V, 1% Dimming MVD7^{3,4} eldoLED ECOdrive: DALI, 1% Dimming MVD8^{3,4} eldoLED SOLOdrive: 0-10V, 0.1% Dimming MVD9^{3,4} eldoLED SOLOdrive: DALI, 0.1% Dimming MVDMX^{3,4,5} eldoLED POWERdrive: DMX, 0.0% Dimming	B Matte Black P Matte White

1. Forward and Reverse Phase Dimming for 120V only

2. Lutron dimming option is available for Series 1 and 2 only (17W and 23W); not available for use with LED Series 3 through 5 (29W through 39W)

3. All eldoLED Drivers are not available for use with LED Series 5 (39W)

4. eldoLED Drivers are programmed for linear curve dimming as standard; for logarithmic curve dimming, consult factory

5. Verify DMX Driver and Control System compatibility with factory prior to ordering

ACCESSORY ORDERING INFORMATION

Additional Accessories on page 3

Mounting Accessories
<i>Standard Hanger Bars Supplied with Housing</i> HB-30 T-Bar Hanger Set

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Specification Grade 6-inch 16 gauge Galvanized Steel New Construction Housing; Die-Cast Aluminum Pull-down Head and Trim Frame
- **Non-IC/StopAire™ Housing** requires a minimum 3-inch clearance around Housing from insulation material; thermal protection provided in case of improper insulation use
- **Insulated Ceiling (IC)/StopAire™ Housing** can be used in direct contact with insulation materials
- Constant tension pull-down head with vertical adjustment from 0° to 60° for aiming ease; locking mechanism with graduations for consistent fixture-to-fixture aiming
- Quick Connect Light Engine enables easy installation and removal
- Drivers are fully accessible from below the ceiling; can be easily removed
- Dual Nailer Hanger Bars are adjustable for 16- and 24-inch center joists (14-1/4- to 24-1/2-inch). Nailer Bars may be extended to rest on T-Bar ceilings; optional clip-on T-Bar Hangers available.
- Pre-wired Junction Box with eight (8) 1/2-inch and four (4) 3/4-inch Knockouts
- Output over-voltage, over-current and short circuit protection
- Approved for Through Circuit Wiring: max. eight (8) 12 AWG (4 in/4 out), wiring rated for at least 90°C
- Will accept up to two (2) LF49 Lenses, FA-54 Louvers or one (1) FA-53 Snoot by using the FA-19 Accessory Holder (see page 3)

PERFORMANCE SUMMARY

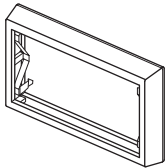
- High performance LED luminaire with a smooth wide beam; well suited for any wall lighting application
- 2700K, 3000K, 3500K and 4000K Color Temperatures; 80 CRI min., 83 typical; high CRI of 90+ available
- Excellent fixture-to-fixture color consistency with a 3-step MacAdam Ellipse tolerance
- All R6W Wall Lighter Downlights are available for non-dimming and dimming applications; for compatible Dimmers, refer to the Dimming Specification Sheet
- UL8750 and Class 2 Compliant; RoHS Compliant, US only

R6W SERIES | 6-Inch Stealth Pull Down Wall Lighter Downlight Accessories

FA-19

Accessory Holder

- 5-3/8-In. W x 3-In. H x 5/8-In. D
- Accepts up to two (2) LF49 Lenses or one (1) LF49 Lens and one (1) FA-54 Louver

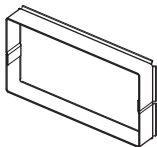


Accessory Holder	
FA-19-B	Accessory Holder, Black
FA-19-P	Accessory Holder, White

FA-53

Snoot

- 4-5/8-In. W x 2-1/4-In. H x 1/2-In. D
- Requires FA-19 Accessory Holder
- White finish has a black interior surface

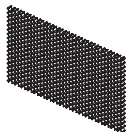


Snoot	
FA-53	Black Snoot
FA-53-P	White Snoot; Interior Surface is Black

FA-54

Honeycomb Louver

- 4-3/4-In. W x 2-15/16-In. H x 1/8-In. D
- For glare control and shielding
- Requires FA-19 Accessory Holder
- Black finish

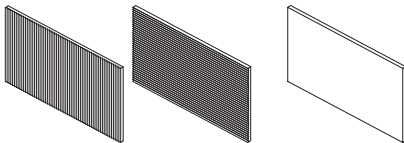


Honeycomb Louver	
FA-54	Honeycomb Louver, Black

LF49 Series

Tempered Glass Lenses & Filters

- 4-3/4-In. W x 2-15/16-In. H x 1/8-In. D
- Requires FA-19 Accessory Holder



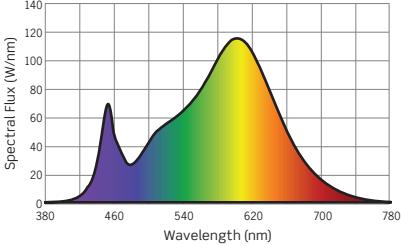
Tempered Glass Lenses & Filters	Finish	
LF49 Tempered Glass Lenses & Filters	73 Spread Lens	A Amber Lens
	LSH Linear Spread Lens, Horizontal <i>Elongates beams horizontally</i>	B Blue Lens
	LSV Linear Spread Lens, Vertical <i>Elongates beams vertically</i>	CL Clear Lens
	SL Soft Light Lens	DPE Dichroic Peach Lens
	SOL Solite Lens	G Green Lens
	UV Optivex UV Filter	LB Light Blue Lens
		R Red Lens
		RO Rose Lens
		Y Yellow Lens

R6W SERIES

| 6-Inch Stealth Pull Down Wall Lighter Downlight for Non-IC (SA) and Insulated Ceilings (IC)

R6WNC*30KMVD2: 3000K, 80 CRI					
	R6WNC1	R6WNC2	R6WNC3	R6WNC4	R6WNC5
TEST NO.	G25092302	G25092301	G25092204	G25092203	G25092202
TOTAL WATTAGE AT 120V	16.8W	22.7W	28.4W	32.7W	38.6W
DELIVERED LUMENS	2339Lm	3095Lm	3782Lm	4276Lm	5014Lm
EFFICACY (Lm/W)	139.2	136.3	133.2	130.8	129.9
COLOR TEMPERATURE (CCT) ¹	3137K				
COLOR RENDERING INDEX (CRI) ²	83.9				
LAMP LIFE ³	Designed for 50,000 Hours				

Spectral Power Distribution Chart⁴



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), and Luminaire Wattage/Output. To estimate lumen output of the various options, multiply 3000K (80 CRI min) results by the following:

CCT MULTIPLIERS			OUTPUT MULTIPLIERS					
CCT	STANDARD CRI	HIGH (90+) CRI	R6WNC1 17W/SERIES 1	R6WNC2 23W/SERIES 2	R6WNC3 29W/SERIES 3	R6WNC4 33W/SERIES 4	R6WNC5 39W/SERIES 5	R6WNC6 44W/SERIES 6
2700K	0.95	0.74	0.42	0.55	0.68	0.77	0.90	1.00
3000K	1.00	0.85						
3500K	1.03	0.89						
4000K	1.07	0.92						

R6W SERIES | 6-Inch Stealth Pull Down Wall Lighter Photometrics

R6WNC*30KMVD2 FOOTCANDLES ON WALL: 3000K, 80 CRI

MOUNTED 3-FEET FROM WALL

Mounting Height: 10 Ft.
Tilt from Nadir: 40°
Room Reflectance: 80/50/20
Multiple Units: 5 Units
Beam Center: ↓
Center of Multiple Units: █

		Single Unit						Multiple Units								
		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	2 FT ON CENTER			3 FT ON CENTER			4 FT ON CENTER		
		↓						↓		↓	↓		↓		↓	
Distance from Ceiling	1 FT	101	91	74	60	46	29	190	193	190	129	131	129	103	88	106
	2 FT	92	82	67	56	42	26	177	180	177	121	122	121	96	83	99
	3 FT	83	74	63	52	38	27	163	167	164	112	114	113	89	78	91
	4 FT	73	69	58	48	39	27	147	150	147	102	103	102	80	72	83
	5 FT	57	57	50	40	33	27	120	123	121	84	85	84	66	61	68
	6 FT	41	41	38	32	26	22	93	96	94	67	67	67	52	50	53
	7 FT	28	27	24	22	19	15	69	71	69	51	51	51	40	39	40
	8 FT	23	23	21	18	17	14	58	60	59	43	44	43	34	33	34
	9 FT	18	18	17	15	13	12	47	49	48	36	37	36	28	28	28

MOUNTED 4-FEET FROM WALL

Mounting Height: 10 Ft.
Tilt from Nadir: 40°
Room Reflectance: 80/50/20
Multiple Units: 5 Units
Beam Center: ↓
Center of Multiple Units: █

		Single Unit						Multiple Units								
		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	2 FT ON CENTER			3 FT ON CENTER			4 FT ON CENTER		
		↓						↓	↓		↓	↓		↓	↓	
Distance from Ceiling	1 FT	62	63	56	44	34	25	139	142	140	98	99	99	77	74	77
	2 FT	60	61	54	42	33	25	137	139	137	97	97	97	75	73	76
	3 FT	57	58	51	42	33	25	134	136	134	95	96	95	74	72	74
	4 FT	54	54	50	41	33	25	129	131	129	91	92	91	71	69	71
	5 FT	46	46	44	39	30	23	113	115	114	82	82	81	64	62	63
	6 FT	38	38	36	33	27	21	98	100	99	72	72	71	56	55	56
	7 FT	31	31	29	25	22	18	84	86	84	62	63	62	48	48	48
	8 FT	26	26	25	23	19	16	72	74	73	54	55	54	43	42	42
	9 FT	21	21	20	19	17	14	60	62	61	46	47	46	37	36	36

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature (CCT), Color Rendering Index (CRI), and Luminaire Wattage/Output.
To estimate lumen output of the various options, multiply 3000K (80 CRI min) results by the following:

CCT MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.95	0.74
3000K	1.00	0.85
3500K	1.03	0.89
4000K	1.07	0.92

OUTPUT MULTIPLIERS					
R6WNC1 17W/SERIES 1	R6WNC2 23W/SERIES 2	R6WNC3 29W/SERIES 3	R6WNC4 33W/SERIES 4	R6WNC5 39W/SERIES 5	R6WNC6 44W/SERIES 6
0.42	0.55	0.68	0.77	0.90	1.00

R6W SERIES | 6-Inch Stealth Pull Down Wall Lighters: Dimming Specifications

Manufacturer	Product	Model	PHASE/0-10V DIMMING (MVD Option*)	eldoLED ECOdrive 0-10V (MVD6, or MVD8 Option)	eldoLED SOLOdrive 0-10V (MVD7, or MVD9 Option)
			Light Output	Light Output	Light Output
Leviton	IllumaTech	IPI06-1LZ	2%-100%	NA	NA
Leviton	SureSlide	6631-2	1%-100%	NA	NA
Leviton	Vizia	VPE06	12%-100%	NA	NA
Leviton	Trimatron	6683-IW	8%-100%	NA	NA
Leviton	Decora	6161	20%-100%	NA	NA
Leviton	SureSlide	6633-P	3%-100%	NA	NA
Leviton	IllumaTech	IPE04	7%-100%	NA	NA
Leviton	IllumaTech	IP710-DLX	NA	1%-100%	0.1%-100%
Pass & Seymour	Titan	CD4FB-W	NA	1%-100%	0.1%-100%
Synergy		ISD BC	NA	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	NA	1%-100%	0.1%-100%
Lutron	Ariadni	TGCL-153P	8%-100%	NA	NA
Lutron	Ariadni	TG-600P	15%-100%	NA	NA
Lutron	Diva	DVCL-153P	3%-100%	NA	NA
Lutron	Diva	DV600P	9%-100%	NA	NA
Lutron	Diva	DVELV303P	10%-100%	NA	NA
Lutron	Diva	DVTV	NA	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	15%-100%	NA	NA
Lutron	Lumea	LG600P	10%-100%	NA	NA
Lutron	Maestro	MAELV600	15%-100%	NA	NA
Lutron	Nova	NFTV	NA	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	NA	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	7%-96%	NA	NA
Lutron	Skylark	S600P	6%-100%	NA	NA
Lutron	Skylark	SELV300P	10%-100%	NA	NA
Lutron	Skylark	CT103P	12%-100%	NA	NA

*277V Phase Dimming is not available

PHASE DIMMING

- 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.

0-10V DIMMING

- 0–10V DC Low Voltage Dimmers operate using two (2) Low Voltage Dimming Wires that are separate from the 120V or 277V AC Power. The Dimmer sends a Variable Output Voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching On/Off is controlled with the Line Voltage Power Input to the Dimmer (120V or 277V AC). Dimming operation is controlled with the 0–10V DC Low Voltage Wiring Connection between the Dimmer and the LED Driver. The Control Signal runs on two (2) low voltage control wires color coded Violet and Pink/Gray.

EcoSystem/ECOdrive DIMMING

- Lutron EcoSystem Drivers provide continuous dimming from 1%–100%. For a complete list of compatible Dimmers and Controls, visit www.lutron.com
- Use DALI approved Controls for dimming eldoLED ECOdrive, 1% Dimming (Dimming Option MVD7) and eldoLED SOLOdrive, 0.1% Dimming (Dimming Option MVD9).

NOTES

- Testing was performed with a single luminaire connected to Dimmer.
- Testing has been performed on these Dimmers, but this does not imply any warranty of compatibility.
- Dimming performance can be influenced by different Loads, as well as variations in Dimmer Switches within the same Model.
- Dimmer Maximum Load Rating with LED may differ from published Traditional Source Dimmer Ratings. Consult manufacturer for maximum Dimmer information.
- Consult factory for additional dimming information.