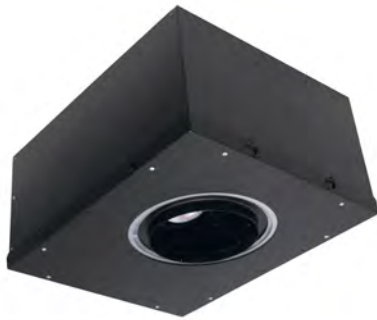


DATE

PROJECT

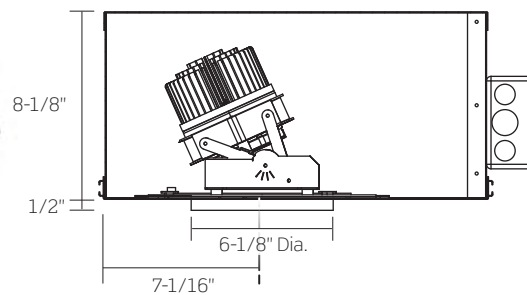
TYPE

R6A SERIES | 6-Inch Round Adjustable Downlights: R6ANC Non-IC/StopAire™ Housing

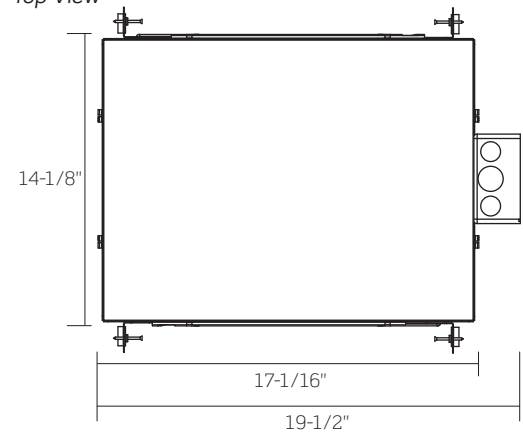


Ceiling Opening: 6-1/4"
Ceiling Thickness: 1/2" - 1-1/4"





Side View



Top View



For the 12W/900lm, 15W/1300lm, 21W/1800lm and 29W/2500lm LED Series, use the R6AIC Series Specification Sheet

	R6ANC5	R6ANC6
WATTAGE	37W	44W
LUMEN OUTPUT ¹	3100Lm	3600Lm
BEAM SPREAD	18° Spot / 35° Medium / 48° Flood	
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K	
CRI	83 (80min) / 90+	
INPUT WATTAGE	37W	44W
INPUT CURRENT (A) 120V/277V	.32/.15	.37/.17
INPUT VOLTAGE DIMMING RANGE		
Standard Driver (Triac, ELV, 0-10V)	120VAC / 277VAC, 50/60Hz	10-100%
eldoLED ECOdrive	120VAC / 277VAC, 50/60Hz	1-100%
eldoLED SOLOdrive	120VAC / 277VAC, 50/60Hz	0.1-100%
DRIVER POWER FACTOR	> 0.90	
TOTAL HARMONIC DISTORTION (THD)	< 20%	
LISTINGS	cCSAus Certified using US (UL) and Canadian (CSA) standards; Suitable for Damp Locations Conforms to Washington State Energy Code (WSEC) for Low Air Infiltration; tested in accordance with ASTM E283 (2.0 CFM or less) cCSAus Certified to UL924 Standard for Emergency Lighting when specified with the Emergency Battery Backup option Chicago Plenum Housings are CCEA listed	
	   	
WARRANTY	Five (5) year replacement after date of purchase Emergency Battery Backup option covered by a one (1) year replacement guarantee after date of purchase	
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance	

¹ Lumen values are approximate, see photometric test results

DATE	PROJECT	TYPE
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R6A SERIES | 6-Inch Round Adjustable Downlights: R6ANC Non-IC/StopAire™ Housing

ORDERING INFORMATION

Example Order: R6ANC527K12DW – ER

For the 12W/900lm, 15W/1300lm, 21W/1800lm and 29W/2500lm LED Series, use the R6AIC Series Specification Sheet

Housing/LED Series	Color Temp/CRI	Electrical	Dimming	Beam Dist.	Options
R6ANC5 - 37W 3100lm	83 (80min) CRI 27K - 2700K	12 - 120V 27 - 277V	D¹ - Triac, ELV, 0-10V Dimming	S - 18° Spot M - 35° Medium F - 48° Flood	ER^{2,3} - Factory Installed 7W/200mA Emergency Battery Backup [Remote Test Switch]
R6ANC6 - 44W 3600lm	30K - 3000K 35K - 3500K 40K - 4000K 90+ CRI 27KC - 2700K 30KC - 3000K 35KC - 3500K 40KC - 4000K		D6 - eldoLED ECOdrive 0-10V, 1% Dimming D7 - eldoLED ECOdrive DALI, 1% Dimming D8 - eldoLED SOLOdrive 0-10V, 0.1% Dimming D9 - eldoLED SOLOdrive DALI, 0.1% Dimming		

1. TRIAC and ELV Dimming for 120V only
2. Emergency Battery Backup Option cannot be used in Chicago Plenum applications
3. 700 Lumen nominal average for Emergency Battery Backup Option

Accessories

Standard Hanger Bars Supplied with Housing

- HB-30** - T-Bar Hanger Set
- RL-KIT** - Commercial Mounting Brackets
- HB-24** - 27-Inch Flat Hanger Bars for RL-KIT
- HBC-24** - 25-Inch C-Channel Hanger Bars for RL-KIT in Grid Ceiling Construction

Replacement Optics, Lenses and Louvers

- ADJOPT-S** - 18° Spot Beam Interchangeable Optic
- ADJOPT-M** - 35° Medium Beam Interchangeable Optic
- ADJOPT-F** - 48° Flood Beam Interchangeable Optic
- FA-57** - Black Accessory Holder Clip
Accepts Two (2) Media
- LA-36-83MM** - 3-3/8-Inch Dia. Black Honeycomb Louver
Requires FA-57 Accessory Holder
- LF20-** 86MM** - 3-3/8-Inch Dia. Tempered Glass Lenses;
Requires FA-57 Accessory Holder

**Tempered Glass Lens Color/Pattern Legend*

- 73 (Spread Lens), -LS (Linear Spread Lens), -SL (Soft Light), -SOL (Solite),
- UV (Optivex UV Filter), -A (Amber), -B (Blue), -CL (Clear), -DPE (Dichroic Peach), -G (Green),
- LB (Light Blue), -R (Red), -RO (Rose), -Y (Yellow)

See “Trims for 6-Inch Adjustable LED Downlights” Specification Sheet for compatible Trim information and details

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TYPE

R6A SERIES | 6-Inch Round Adjustable Downlights: R6ANC Non-IC/StopAire™ Housing

PRODUCT DETAILS

Construction

- Specification Grade 6-inch Round 16 Gauge Galvanized Steel New Construction Air-Tight Housing with Die-Cast Aluminum Heat Sink
- Requires minimum 3-inch clearance around Housing from insulation material; thermal protection provided in case of improper insulation use
- Housing is painted matte black inside and out
- Can be used in sloped ceiling applications
- Housing aperture can be adjusted 1/4-inch in each direction post installation to ease fixture alignment
- Quick-connect LED Module design enables easy installation and removal; can be accessed from above or below the ceiling
- Class 2 Output LED Drivers are fully accessible from below the ceiling and can be easily removed
- Housing has a removable cover when Module and Driver access from above the ceiling is required
- Adjustment Mechanism is constructed of 16 Gauge sheet metal and Die-Cast Aluminum, painted matte black
- Fully lockable adjustment mechanism allows 45° of tilt with white graduation marks every 15° for consistent aiming, plus 360° for rotational adjustment
- 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 seven (7) 1/2-inch Knockouts 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 (4in/4out), wiring rated to 90°C

Performance Summary

- 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
- Module consists of a die-cast aluminum heat-sink with formed aluminum housing and two spring steel supports; engineering grade thermoplastic housing with a spring steel clip supports the precision glass TIR optic
- 18° Spot, 35° Medium and 48° Flood beam distributions; optics are interchangeable and can be field replaced
- FA-57 Black Accessory Holder Clip can support two (2) media
- All R6A Downlights are available for non-dimming and dimming applications; for compatible Dimmers, refer to the Dimming Specification Sheet
- Specification Grade Trims in several different styles and finishes available
- **NOTE:** R6A Series and R6 Series Trims are **NOT** compatible with each other
- UL8750 and Class 2 Compliant; RoHS Compliant, US only
- Assembled in the USA

DATE	PROJECT	TYPE
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R6A SERIES | Trims for 6-Inch Round Adjustable Downlights

TRIM OPTIONS



C6304-CLR

Clear Specular Angle-Cut Reflector

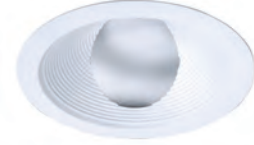


C6304 Series

Specification Grade Angle-Cut Reflector with Solite Lens

5-11/16-Inch ID, 7-1/16-Inch OD

Specification Grade Angle-Cut Reflector. Wet Location approved.



C6304BF-WHT

Painted Matte White Baffle



C6304BF Series

Specification Grade Angle-Cut Baffle with Solite Lens

5-11/16-Inch ID, 7-1/16-Inch OD

Wet Location approved.

C6304-CLR*	- Clear Specular Angle-Cut Reflector	Quantity
C6304-PL*	- Platinum Angle-Cut Reflector	
C6304-WHT	- Painted Matte White Angle-Cut Reflector	

**Available with White Painted Flange, add "-WPF" to end of part number*

C6304BF-BLK	- Painted Matte Black Baffle	Quantity
C6304BF-WHT	- Painted Matte White Baffle	



C6302-CLR

Clear Specular Full Cone Reflector



C6302 Series

Specification Grade Full Cone Reflector

5-11/16-Inch ID, 7-1/16-Inch OD

Accepts one (1) LA-45 Black Honeycomb Louver or (1) LF20 Tempered Glass Lens. Wet Location approved when used with LF20 Lens.



C6301-WHT

Painted Matte White Baffle



C6301 Series

Full Cone Baffle

5-11/16-Inch ID, 7-1/16-Inch OD

Accepts one (1) LA-45 Black Honeycomb Louver or (1) LF20 Tempered Glass Lens. Wet Location approved when used with LF20 Lens.

C6302-CLR*	- Clear Specular Full Cone Reflector	Quantity
C6302-PL*	- Platinum Full Cone Reflector	
C6302-WHT	- Painted Matte White Full Cone Reflector	

**Available with White Painted Flange, add "-WPF" to end of part number*

C6301-BLK	- Painted Matte Black Full Cone Baffle	Quantity
C6301-WHT	- Painted Matte White Full Cone Baffle	

DATE

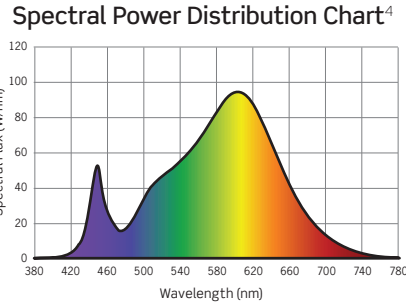
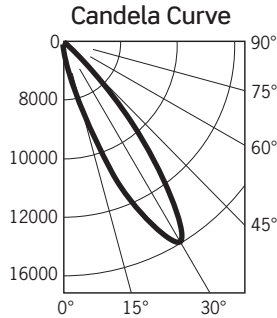
PROJECT

TYPE

R6A SERIES | 6-Inch Round Adjust. Downlight Photometrics

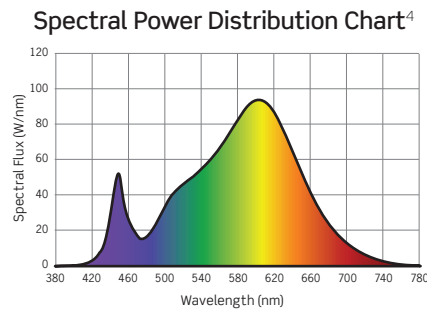
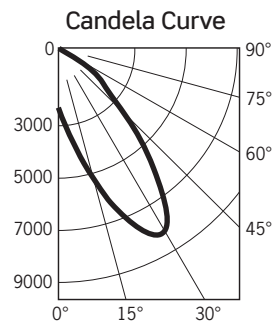
R6ANC630K12DS / C6302-CLR

Luminaire aimed 30° from Nadir
 Fixture Delivered Lumens: 2192.0
 Total Watts@120V: 44.2
 Lumens Per Watt: 49.6
 Center Beam Candle Power: 15674
 Beam Distribution: 17.6°
 Color Rendering Index (CRI)¹: 83.2
 Color Temperature (CCT)²: 3083K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21101107
 LM-79 Test No. S21072702



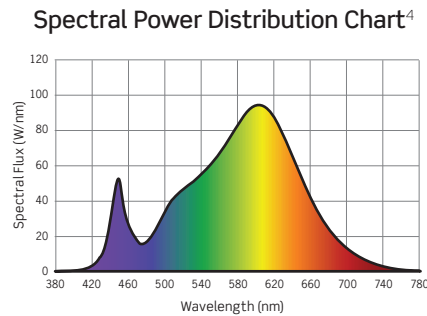
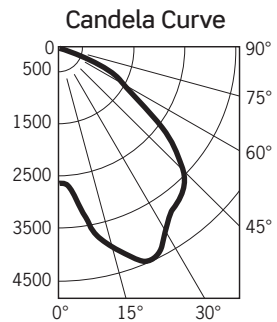
R6ANC630K12DM / C6304-CLR

Luminaire aimed 30° from Nadir
 Fixture Delivered Lumens: 3638.6
 Total Watts@120V: 44.3
 Lumens Per Watt: 82.1
 Center Beam Candle Power: 8181
 Beam Distribution: 34.9°
 Color Rendering Index (CRI)¹: 83.2
 Color Temperature (CCT)²: 3083K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21100703
 LM-79 Test No. S21072702



R6ANC630K12DF / C6304-CLR

Luminaire aimed 30° from Nadir
 Fixture Delivered Lumens: 3368.4
 Total Watts@120V: 44.4
 Lumens Per Watt: 75.9
 Center Beam Candle Power: 4202
 Beam Distribution: 47.8°
 Color Rendering Index (CRI)¹: 83.2
 Color Temperature (CCT)²: 3083K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21072202
 LM-79 Test No. S21072702



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, Luminaire Wattage/Output and Trim Selection. To estimate lumen output of these various options, multiply 3000K results by the following:

CCT MULTIPLIERS			OUTPUT MULTIPLIERS					TRIM MULTIPLIERS		
CCT	STD CRI	HIGH CRI	12W/SERIES 1	15W/SERIES 2	21W/SERIES 3	29W/SERIES 4	37W/SERIES 5	C6304-PL	C6304-WHT	C6302-CLR
2700K	0.94	0.70	0.27	0.37	0.52	0.71	0.87	0.95	0.94	1.16
3000K	N/A	0.75								
3500K	1.0	0.81								
4000K	1.0	0.87								

DATE

PROJECT

TYPE

R6A SERIES | 6-Inch Round Adjust. Downlight Photometrics

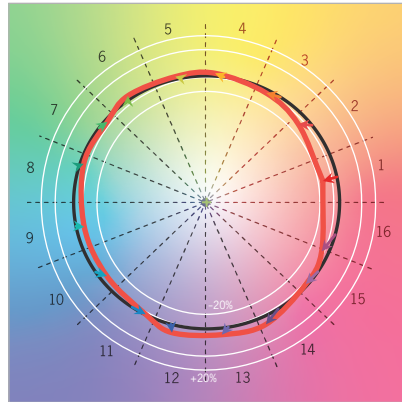
TM-30 DATA: R6ANC630K12DM / C6304-CLR

ANSI/IES TM-30-18 Color Rendition Report Test No. S21072702

Colors are for visual orientation purposes only

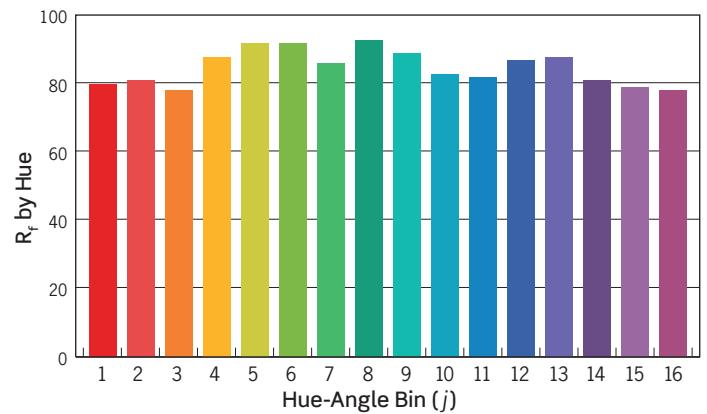
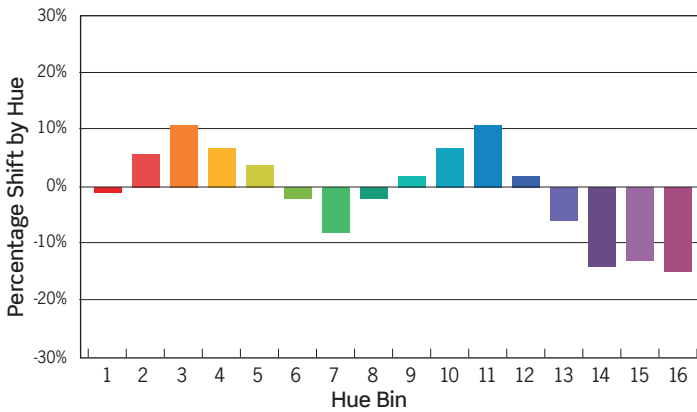
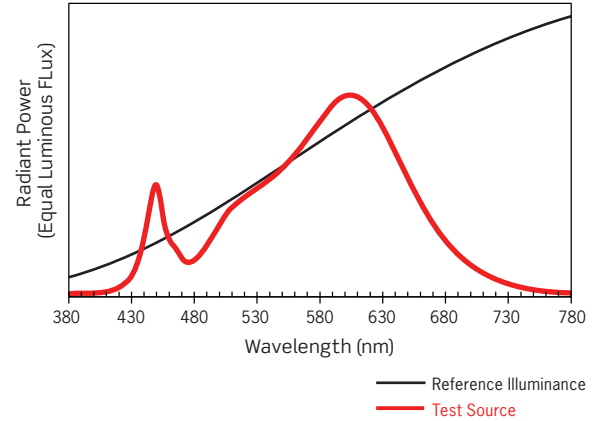
R_f	86
R_g	96
CCT(K)	3083K
D_{uv}	0.0018
u^l	0.2470
v^l	0.5222

Color Vector Graphic



— Reference Illuminance — Test Source

Spectral Power Distribution Comparison



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	11%	7%	4%	-2%	-7%	-2%	2%	7%	12%	2%	-6%	-14%	-13%	-15%
R _f VALUE	81	82	79	89	93	93	87	94	90	84	82	88	89	82	80	79

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TYPE

R6A SERIES | 6-Inch Round Adjustable Downlights: Dimming Specifications

- Incandescent 120VAC 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 120VAC 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 DC Low Voltage Dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The dimmer sends a variable output voltage to the fixture 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 (120V or 277V AC) input to the dimmer and then 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 low voltage control wires (color coded Purple and Pink/Grey).
- Lutron HiLume and EcoSystem drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com
- Use DALI approved controls for dimming eLdoLED MVD7 (1%-100%) and MVD9 (0.1%-100%) options.

Manufacturer	Product	Model	TRIAC, ELV, 0-10V*	eldoLED ECOdrive 0-10V	eldoLED SOLOdrive 0-10V
			(12D, 27D, MVD)	(12D6, 27D6, MVD6)	(12D8, 27D8, MVD8)
			Light Output	Light Output	Light Output
Leviton	IllumaTech	IPI06-1LZ	1%-100%	NA	NA
Leviton	SureSlide	6631-2	1%-100%	NA	NA
Leviton	Vizia	VPE06	9%-100%	NA	NA
Leviton	Trimatron	6683-IW	6%-100%	NA	NA
Leviton	Decora	6161	15%-100%	NA	NA
Leviton	SureSlide	6633-P	1%-100%	NA	NA
Leviton	IllumaTech	IPE04	6%-100%	NA	NA
Leviton	IllumaTech	IP710-DLX	NA	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	NA	NA
Cooper	Skye	SLC03P	0%-100%	NA	NA
Cooper	Decorator	DAL06P	0%-100%	NA	NA
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	1%-100%	NA	NA
Lutron	Ariadni	TG-600P	13%-100%	NA	NA
Lutron	Diva	DVCL-153P	1%-100%	NA	NA
Lutron	Diva	DV600P	6%-100%	NA	NA
Lutron	Diva	DVELV303P	6%-100%	NA	NA
Lutron	Diva	DVTV	NA	1%-100%	0.1%-100%
Lutron	Faetra	FAELV500	12%-100%	NA	NA
Lutron	Lumea	LG600P	8%-100%	NA	NA
Lutron	Maestro	MAELV600	16%-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	5%-96%	NA	NA
Lutron	Skylark	S600P	5%-100%	NA	NA
Lutron	Skylark	SELV300P	10%-100%	NA	NA
Lutron	Skylark	CT103P	9%-100%	NA	NA

*277V Triac Dimming is not available

Notes

1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.