

JOB NAME PROJECT SPECIFICATION NUMBER FIXTURE ID/TYPE DATE APPROVAL

**solia™ by Renaissance Lighting**

solia™ by Renaissance Lighting is the all NEW, powerfully bright and super-efficient family of white, solid-state LED luminaires that are also the most optically-efficient, solid-state LED luminaires on the market with the majority of product models being ENERGY STAR®-qualified. solia™ luminaires are enabled by Constructive Occlusion™ and fortified with a new patent-protected optical design that drives the impressive new optical efficiencies. Superior optical efficiencies drives a more powerful light solution that as a whole outperforms all competition in terms of lumen output, uniformity and fixture efficacy. These luminaires are available in a white color temperature range of 2700K – 4100K and offer features such as Air Tight, Flicker-Free Dimming and compatibility with 3rd party controllers. solia™ downlights can be used for residential and commercial applications.

**Product Description:**

6" round recessed solid-state LED downlight available with a New Construction Frame or Remodel Frame

**Product Specifications**

- Primary Optic - Sealed solid optics to block dust and debris enabled by patented Constructive Occlusion™ technology
- Reflector Finishes - Toolless Installation Downlight optic available in Specular, Semi-Specular, Matte-diffuse
- Reflector Colors - Black, Gold, Pewter, Wheat and White
- Reflector Dim. - 6-3/8" Aperture diameter (Flange Width: 5/16"); Ceiling Cutout 7-5/16"
- Light Source - 30 High Brightness White LEDs
- Trim - Paintable white plastic: 7-13/16" dia (Flange Width: 5/16")
- Trimless - Plaster ring for gypsum construction
- Housing - Die cast Aluminum ; Required Ceiling Clearance Height: 7-1/4"
- Mounting Frame - 22Ga galvanized steel; for ceilings from 1/2" to 1-1/2" thick; Non-IC.
- Junction Box - 18Ga Galvanized steel. Four combination 1/2"-3/4" knockouts

**Performance Specifications**

- CCT - 2700K, 3000K, 3500K, 4100K
- CRI - 75\*
- Wattage - 34\*
- \*Nominal Values - for actual data see photometrics (per IESNA LM79-2008)
- Power Input - Universal Power Supply 120V - 277V; 50-60Hz
- Operating Temp. - 13°F to 122°F (-25°C to 50°C)
- Storage Temp. - -40°F to 182°F (-40°C to 85°C)
- LED Rated Life - 50,000 hour L70 lifetime when installed in an ambient space of 30°C (86°F)\*\*
- \*\* (Lifetime claims are based on LED IESNA LM80-2008 Information)
- Warranty - 3 -Year Limited Warranty
- Certifications - Fixtures are UL Listed; Non-IC recessed mounting and wet location (under covered ceiling). Airtight; Energy Star®. Listed and labeled to comply with Canadian standards.

**Control Specifications**

- Control - Electronic Low Voltage (ELV) Dimmer, Third Party Control (Sensors, Timers), 0-10v dimmer
- Dimming - Flicker-Free Constant Current Reduction (CCR) from 10-100% via Electronic Low Voltage dimmers (120V Only), 0-10v dimmers for 120-277 V

**Catalog Number Configuration**

Example: 6DR5 35/18 6AR 120 COD

Series	CCT	Lumens	Aperture/Trim	Finish	Voltage	Driver	Power Supply	Options
6DR5 6" Round	27 2700K	18 1800 lumens	6 AR Clear	(blank) Semi-Specular	120	COD Constant Output Driver	(blank) 300mA drive current	REMF Remodel Mounting Frame
6DR5W 6" Round Wallwash	30 3000K		GR Gold	LD Matte-diffuse	240	LVD Electronic Low Voltage Dimming <sup>3</sup>		
	35 3500K		PR Pewter	LS Specular	277	010V 0-10V Dimming		
NOTES:	41 4100K		WTR Wheat					
1 Not available with finishes			WR <sup>1,2</sup> White					
2 Not available with 6DR5W			BR <sup>1</sup> Black					
3 120V only								



new construction frame

