



ARCHITECTURAL ROUND DIFFUSERS WITH LIGHT

SPECIFICATIONS FOR ALL DIFFUSERS MODEL # RLXXXXXXX

Architectural round diffusers with light RLXXXXXXX will be manufactured by Invi Air, constructed of composite material with aluminum flanges as mounting hardware, and will include a plenum box constructed by INVI, and an integral LED panel luminaire mounted to the removable face of the diffuser.

LED luminaire will consist of a switch assembly, a UL approved panel and driver assembly, with all integral wiring housed in flexible steel conduit. The LED luminaire must be wired upon installation by connecting to the switch assembly according to local code requirements. The switch assembly and driver will be mounted to removable panels on the product's plenum box, which are accessible through the ceiling when the product face is removed. LED array color temperatures can be specified either warm white (approximately 3000K) or cool white (approximately 5000K). Brightness will be at least 25 lumens per square inch of the LED panel, and is intended to be used in conjunction with a dimmer switch.

Aluminum mounting flanges will be attached to diffuser frame with aluminum rivets, unless otherwise specified. The face panel of all models will be removable, attached to the diffuser frame by four steel support brackets. The face panel and the mud-in ridge of the diffuser frame will be flush with the ceiling line, which, unless otherwise specified, will accommodate 5/8" thick gypsum board. The mud-in ridge of the diffuser frame will be textured and primed to receive joint compound for a seamless finish with a gypsum ceiling. Additionally, all visible surfaces of the composite material will be primed flat white. All materials used within the diffuser assembly will be either non-flammable or certified to have an ASTM E-84 flame spread index of less than 25 and smoke-developed index of less than 50, and be CARB Phase 2 compliant. Performance data for diffuser models listed below will be made available by Invi Air.

Ceiling frame must be spaced by the installer to the indicated size below, unless customized mounting hardware is requested. Plenum box must be supported in place by the installer independently of the diffuser and frame.

MODEL #	OPENING	# SLOTS	SLOT WIDTH	FRAME SIZE	LIGHT SIZE DIAMETER	LIGHT TEMP. WARM/COOL	PLENUM SIZE
RL1201088	12"	1	7/8"	17.5" x 17.5"	6"	SPECIFY	12.75" x 12.75" x SPECIFY
RL1801100	18"	1	1"	23.5" x 23.5"	13"	SPECIFY	18.75" x 18.75" x SPECIFY
RL2401100	24"	1	1"	29.5" x 29.5"	16"	SPECIFY	24.75" x 24.75" x SPECIFY