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LED SERIES

DIVE

Interior Recessed LED Color Changer



The DIVE projector is a high quality LED colour changer, specifically designed for exterior recessed applications. DIVE's RGB colour mixing system, using high brightness and efficiency LEDs, is shared with the DAWN fixture and DIVE has the same innumerable benefits and control options. DIVE is available in Class 1 and Class 3 versions, both featuring an IP68 (Full Dry) weather protection rating. A 4,000 Kg deadweight load capacity makes DIVE Class 1 suitable for ground mounting applications even in vehicled areas. On the other hand, Dive Class 3 is the appropriate choice for underwater installations, for lighting, for example, fountains directly from the base or from the sides. This versatile fixture also allows beam positioning through 10 degrees Tilt and a full 360 degrees Pan. An optional mounting bracket allows surface mounting. Various models are available with different beam angle options.



TECHNICAL SPECIFICATIONS

Models	DIVE Class 1 High Voltage model AL 1222 DIVE Class 3 Low Voltage model AL 1212
Source	High brightness 1.2W power LED (Light-Emitting Diode) units Continuously variable light intensity 1-100% electronic dimming facility No UV Virtually instant light production (100 ns) Strobe facility (12 fps)
Source Life	The LED light sources used have an exceptionally long life: predicted 100,000 hours under normal operating conditions.
Optics	10 degrees beam angle - ordering code AL 1222 (class 1) 30 degrees beam angle - ordering code AL 1224 (class 1) 45 degrees beam angle - ordering code AL 1226 (class 1) 10 degrees beam angle - ordering code AL 1223 (class 3) 30 degrees beam angle - ordering code AL 1225 (class 3) 45 degrees beam angle - ordering code AL 1227 (class 3) Optional Frost filter for 10 degrees optics version only (ordering code AL 1302) Optional 10 degrees beam set (ordering code AL 1314) Optional 30 degrees beam set (ordering code AL 1315) Optional 45 degrees beam set (ordering code AL 1316) Optional expansion filter (ordering code AL 1304)
Color Variety	RGB additive color mixing for countless attractive saturated colors Theoretical variety of 16,700,000 color hues Pre-set selectable color sequences and blends
Control Operation	On-board Dip Switch set for digital data assignment and stand alone operation control Master and Slave 4 channels of DMX 512 standard protocol Input and output DMX signal connectors IP65 optional dedicated DMX controller (ordering code AL 1322)
Electrical Specifications	Power supply: class 1- standard 210-250V / 50-60Hz / 0,15 Amp. class 1- optional 100-120V / 50-60Hz / 0,35 Amp. (available on request) class 3- low voltage 24V/ 50-60Hz Power Consumption: 36W max at full intensity (full RGB) LED operation voltage 24VAC Class 3 units require a separate transformer box Optional IP65 transformer box powering up to 4 units (ordering code AL 1318) Optional IP68 extension cord connector (ordering code AL 1319) 3 mt power supply cable included 3 mt digital data cable included Self-resetting fuse protection Meets CE safety standards
Housing	Die cast aluminium body

	Scratch resistant 100% polyester black paint Beam angle orientation adjustment of 10° Suitable for wall, ground and ceiling recessing Adjustable bracket for alternative surface mounting and formwork included Full 360 degrees orientation capability Load bearing 4,000 Kg IP68 protection rating
External Operating Limits	-20°C to 30°C (-4°F to 86°F) temperature 0-95% relative humidity (non condensing)
Weight	AL 1222 Class 1 = 5 Kg AL 1212 Class 3 = 4 Kg AL 1318 Optional IP65 transformer box = 3 Kg
DMX Channels	Channel 1 - Red Channel 2 - Green Channel 3 - Blue Channel 4 - Dimmer / Strobe

