

The Alien O2 Spot is a programmable 150 W luminaire for architectural and commercial applications: retail, hotels, bars and corporate environments.

- 150 W metal halide lamp
- CMY color mixing system
- Choice of narrow, medium or wide beam options
- 0-100% intensity control
- High optical performance: uniform distribution of light and color
- Surface mounting
- DMX, stand-alone, synchronized (master/slave)

Physical Length: 312 mm (12.3 in.) + mounting arm 135 mm (5.3 in.)
Width: 235 mm (9.3 in.)
Weight: 3.3 kg (7.3 lbs.) + mounting arm 0.7 kg (1.5 lbs.)

Lamp Type: 150 W metal halide
Approved lamps: Philips CDM-SA/T 150, GE CMH 150
Socket: G12
Control: Automatic and/or remote on/off

Dynamic Effects Color mixing: CMY
Cyan: 0 - 100%
Magenta: 0 - 100%
Yellow: 0 - 100%
Dimmer: 0 - 100%

Control and Programming Required control hardware: 150 W Single Base or 150 W Double Base
Control options: DMX, stand-alone, synchronized (master/slave)
DMX channels: 7
Stand-alone memory: 20 scenes
Setting and addressing: Display, infrared remote
Protocol: USITT DMX512/1990
Receiver: RS-485

Construction Housing: Aluminum and plastic
Base: Aluminum

Installation Required installation hardware: Alien O2 Spot Mounting Arm
Orientation: Any
Aiming: +/- 50° tilt, 360° rotation
Minimum distance to combustible materials: 1 m (3.3 ft.)
Minimum distance to illuminated surfaces: 0.5 m (1.6 ft.)
Max. cable separation between lamp and Base: 16 m (52.5 ft.)

Connections Power connection to Base: 1 m (3.3 ft.) cable tail with 3-pin IEC male connector
Control data connection to Base: 1 m (3.3 ft.) cable tail with 25-pin male multi-connector

Electrical AC power: Supplied via Base unit that accepts 100/120/208/230/250 V, 50/60 Hz

Thermal Maximum ambient temperature (Ta max.): 40° C (104° F)
Maximum surface temperature, steady state, Ta=40° C (104° F): 80° C (176° F)
Cooling: Filtered forced air (temperature-regulated)

Approvals



US safety: UL 153
Canadian safety: CSA C22.2
EU safety: EN 60598-2-17 + Corr. A2
EU EMC: EN 55 015, EN 55 103-1, EN 61 547

Included Items	Philips CDM-SA/T 150 W lamp (installed): P/N 97010111 3 m (9.8 ft.) power cable, 3-pin IEC: P/N 11501013
Accessories	21° Fresnel lens (gives Medium beam angle): P/N 91610022 41° x 46° beamshaper lens: P/N 91610023 42° Micro lens diffuser (gives Very Wide beam angle): P/N 91610024 Barn door kit: P/N 91611057 Glare control kit: P/N 91611066 2 m (6.6 ft.) cable extension kit: P/N 91611051 5 m (16.4 ft.) cable extension kit: P/N 91611060 10 m (32.8 ft.) cable extension kit: P/N 91611061
Ordering Information	Alien 02 Spot, 38°, Aluminum: P/N 90345000 Alien 02 Spot 135 mm (5.3 in.) mounting arm: P/N 91611048 150 W Single Base: P/N 90724000 150 W Double Base: P/N 90724200 Alien 02 Recessed Base, white: P/N 90724102 Alien 02 150 W Spot for Recessed Base, white: P/N 90345002

Photometric Data

Medium (Fresnel lens)	Efficiency: 38% Efficacy: 23 lumens per watt Half-peak angle: 21° Total output: 5200 lm
Wide (Diffuser standard lens)	Efficiency: 39% Efficacy: 26 lumens per watt Half-peak angle: 38° Total output: 5400 lm
Wide (Diffuser lens ø150)	Efficiency: 40% Efficacy: 27 lumens per watt Half-peak angle: 42° Total output: 5500 lm
Beamshaper	Efficiency: 31% Efficacy: 4 lumens per watt Half-peak angle, C ₀ : 41° Half-peak angle, C ₉₀ : 46° Total output: 4300 lm

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