Odessa 18 Large Ceiling Downlight





RGBW

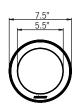
UOD-80032 - 33w RGBW 1432lm

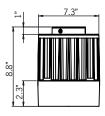
UOD-80034 - 44w RGBW 1910lm

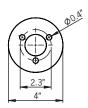
IP66 • Suitable For Wet Locations

IK08 • Impact Resistant (Vandal Resistant)

Weight 14 lbs







Mounting Detail

Odessa catenary option



Construction

Aluminum Casting

Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

B3 - U0 - G1

<u>Finishing</u>

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

<u>Paint</u>

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.

This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

<u>Hardware</u>

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Surface ceiling-mounted decorative exterior downlights. Naturally beautiful and unique contemporary family, Odessa packs a punch with an abundance of options and accessories.

The Odessa family of floodlights have a modern aesthetic design and are a perfect lighting solution for most small to large size cylinder requirements where a robust, totally waterproof product is required.

This small, medium and large range of high performance LED ceiling mounted cylinder provides a robust design for demanding applications such as recreational areas, public spaces and architectural structures.

The luminaire has integrated heat sinks to facilitate LED cooling, as well as an integral driver. The Odessa is available in Very Narrow, Narrow, Medium, Wide and Very Wide light distributions. Color temperature 2700K, 3000K, 3500K and 4000K.

Luminaire has optional accessories, such as visors, louvres, colored dichroic filters and linear spread lenses. For non standard fixture variations, as well as specific reflector requirements and dichroic filters, please contact the factory.

This luminaire is suitable for open trellis, ceiling mount, pendant and catenary. This luminaire is waterproof and resistant to water and dust entering from above.

Additional Options (Consult Factory For Pricing)









A54431 Anti Glare Visor

A51814 Linear Sprea

A54531 Anti Glare Louvre

A54121 Honeycomb









A64691 TPC Touch Screen and Controller DMX 2 [Pharos]

A68391 STICK-DE [Nicolaudi

A64491 TPC Touch Sc and Controller [Pharos]

A64591 POE Connect [Pharos]











A64791 RDM DMX Splitter [Pharos]







A64991 CLOUD [Pharos] $\textcolor{red}{\textbf{UOD-8003}} \; \boxed{\hspace{-2mm} \leftarrow} \; \text{Last Digit Signifies Wattage (See Below)}$

Odessa 18 Large Ceiling Downlight



PROJECT					ATE
QUANTITY		TYPE	NOTE		
ORDERING EXAMPLE UOD-80032 - 33w - N - RGBW30 - 03 - 120/277v					
UOD-8003X					
	LAMP	BEAM	RGBW COLOR	FINISH COLOR	VOLTAGE
UOD-80032	33w RGBW 1432 Lumens	N - Narrow Beam 20° M - Medium Beam 34°	RGBW30 - Warm White 3200K RGBW40 - Neutral White 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043	120/277v Other - Specify
UOD-80034	44w RGBW 1910 Lumens	E - Elliptical Beam 24° x 49°	RGBW65 - Cool White 6850K	03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	Stile: Speeily
ADDITIONAL OPTIONS					
DIM - 0-10v Dimming	CAT - Cate	enary			

NAT - Natatorium Rated RSP - Rigid Stem Pendant Mount

A54431 - Anti Glare Visor AMB - Turtle Friendly Amber LED

A5181 - Linear Spread Lens A54531 - Anti Glare Louvre

A68391 - STICK-DE3 A64791 - RDM DMX Splitter A64491 - TPC + DMX Controller A65191 - TPC Touch Panel

A64591 - POE Connect A65391 - EDN Ethernet Data Node A64691 - TPC + DMX 2 A66991 - LPCX Lighting Playback

A64991 - CLOUD



RGBW DMX/RDM Control



RGBW DMX/RDM Control

RGBW control requires precise communication between lighting fixtures and IP-based systems. To manage Red, Green, Blue, and White diodes effectively, each fixture must be pre-addressed to ensure accurate individual or grouped control.

Ligman's Engineered Approach

Ligman offers a structured, performance-driven methodology for RGBW system design and deployment.

Fixture Addressing

- Default: Fixtures are factory-programmed with the same DMX address unless otherwise specified.
- Issue: Identical addresses cause all fixtures to respond as one—changing colors simultaneously.

Solution: Assign unique DMX addresses to each fixture during programming or via RDM tools to enable independent or grouped control.

Termination Resistors

To prevent signal interference (crosstalk) between fixtures:

- Ligman supplies 120-ohm termination resistors.
- Install inside the last fixture or at its J-Box. (Resistor will be factory installed on most fixtures, Some will require installation Onsite Dependent Upon Fixture and Type.) Connect between DMX+ and DMX- signal lines.

System Design Guidelines

Fixture Count

• On 3 or More Fixtures: A terminating resistor is installed at the end of the run.

On 5 or More Fixtures: Ligman may request additional layout details to validate system integrity.

Fixtures with Dual DMX Addresses require more DMX channels, reducing the number of fixtures per run. (Refer to technical drawings for specifics.)

Maximum Distance Without Booster: 984 ft (300 m) from the controller.

Beyond This Limit: DMX/RDM splitters or boosters are required.

Custom Layouts

For non-standard RGBW configurations, Ligman requires:



DMX Controls





STICK-DE3

The feature rich lighting controller has been designed to provide a control solution for the most demanding of projects, whilst maintaining an easy to use panel of touch sensitive buttons. The controller integrates a graphical color screen allowing scene photos to be displayed. Easily view the selected zone, scene name and design without the need to navigate through complex menus. Change the speed, color and dimmer using the circular palette.

The lighting levels, color and effects can be programmed from a PC, Mac, Android, iPad or iPhone using the included software.





RDM DMX Splitters

The RDM (Remote Device Management) is a 4 port DMX512 Splitter compatible with the RDM standard to provide DMX output to luminaires and other devices. DMX splitters are an essential requirement for most control systems, allowing multiple separate cable runs from a single DMX output and ensuring electrical isolation.

A64791

DMX Splitter / Booster - Remote IP65 Box

DMX/RDM Splitter, within an IP65 box with 1 channel output, is a digital signal distributor is used with DMX512-A and ANSI E1.20 RDM. 1-port, DMX/RDM isolated splitter engineered to take any architectural, commercial, or entertainment project to the next level. Multiple DMX/RDM Splitter can be chained together to create as many outputs as you need.





RDM – DMX Repeater

The RDM (Remote Device Management) is a 4 port DMX512 Splitter compatible with the RDM standard to provide DMX output to luminaires and other devices. DMX splitters are an essential requirement for most control systems, allowing multiple separate cable runs from a single DMX output and ensuring electrical isolation.

Odessa Product Family



- UOD-80001-21w-1688lm
- UOD-80002-11w-816lm



- UOD-80011-36w-3458lm
- UOD-80012-27w-2005lm



- UOD-50001-21w-1688lm
- UOD-50002-11w-816lm



- UOD-50011-36w-3458lm
- UOD-50011-40w-3695lm
- UOD-50011-43w-4042lm • UOD-50012-27w-2005lm



- UOD-50051-21w-1688lm
- UOD-50052-11w-816lm



- UOD-50061-36w-3458lm
- UOD-50061-40w-3695lm
- · UOD-50061-43w-4042lm
- · UOD-50062-27w-2005lm



- UOD-50071-21w-1688lm
- UOD-50072-11w-816lm



- UOD-50081-36w-3458lm
- UOD-50081-40w-3695lm
- UOD-50081-43w-4042lm • UOD-50082-27w-2005lm



- UOD-30001-3x21w-3x1673lm
- UOD-30002-3x11w-3x816Im



Odessa 2

- UOD-30011-3x36w-3x3326lm
- UOD-30011-3x40w-3x3695lm
- UOD-30011-3x43w-3x4042lm
- UOD-30012-3x27w-3x2005lm



Odessa 1

- UOD-21001-3x21w-3x1673lm
- UOD-21002-6x21w-6x1673lm
- . UOD-21003-3x11w-3x816lm • UOD-21004-6x11w-6x816lm



Odessa 2

- UOD-21011-3x36w-3x3326lm
- UOD-21011-3x40w-3x3695lm · UOD-21011-3x43w-3x4042lm
- UOD-21012-6x36w-6x3326lm
- UOD-21012-6x40w-6x3695lm
- UOD-21012-6x43w-6x4042lm • UOD-21013-3x27w-3x2005lm
- UOD-21014-6x27w-6x2005lm



Odessa 2

- UOD-21021-4x36w-3x3326lm [13']
- UOD-21023-4x36w-3x3326lm [20'] • UOD-21025-4x36w-3x3326lm [26']
- UOD-21026-4x28w-3x2005lm [13']
- UOD-21027-4x28w-3x2005lm [20']
- UOD-21028-4x28w-3x2005lm [26']



Odessa 2

- UOD-21031-4x36w-3x3326lm [15']
- UOD-21033-4x36w-3x3326lm [22']
- . UOD-21035-4x36w-3x3326lm [28'] • UOD-21036-4x28w-3x2005lm [13]
- UOD-21037-4x28w-3x2005lm [20']
- UOD-21038-4x28w-3x2005lm [26']



- UOD-50131-70w-8038lm
- UOD-50132-55w-6310lm · UOD-50133-55w-6890lm
- UOD-50134-50w-5433lm



- UOD-50141-60w-5000lm
- UOD-50142-33w RGBW-1432lm • UOD-50143-44w RGBW-1909lm



Odessa 13

- · UOD-50151-70w-8038lm
- · UOD-50152-55w-6310lm · UOD-50153-55w-6890lm
- UOD-50154-50w-5433lm



- UOD-50161-60w-5000lm
- UOD-50162-33w RGBW-1432lm • UOD-50163-44w-3665lm
- UOD-50164-44w RGBW-1910lm



- UOD-50171-70w-8038lm
- UOD-50172-55w-6310lm · UOD-50173-60w-6890lm
- · UOD-50174-50w-5433lm



- UOD-50181-70w-5000lm
- UOD-50182-55w RGBW-1432lm
- UOD-50183-60w-3665lm
- UOD-50184-50w RGBW-1910lm



Odessa 17

- UOD-80021-70w-8038lm
- UOD-80022-55w-6310lm
- UOD-80023-60w-6890lm
- UOD-80024-50w-5433lm



Odessa 18

- UOD-80031-60w-5000lm
- UOD-80032-33w RGBW-1432lm
- UOD-80033-44w-3665lm
- UOD-80034-44w RGBW-1910lm



Odessa 19

- UOD-21041-3x70w-3x8038lm
- UOD-21042-6x70w-6x8038lm
- UOD-21043-3x55w-3x6310lm
- UOD-21044-6x55w-6x6310lm
- UOD-21045-3x60w-3x6890lm • UOD-21046-6x60w-6x6890lm
- UOD-21047-3x50w-3x5433lm
- UOD-21048-6x50w-6x5433lm



Odessa 20

- UOD-21051-3x60w-3x5000lm
- UOD-21052-6x60w-6x5000lm
- UOD-21053-3x33w RGBW-3x1432lm
- UOD-21054-6x33w RGBW-6x1432lm
- UOD-21055-3x44w-3x3665lm
- UOD-21056-6x44w-6x3665lm
- UOD-21057-3x44w RGBW-3x1910Im
- UOD-21058-6x44w RGBW-6x1910lm



- UOD-21061-4x70w-4x8038lm [13']
- UOD-21062-4x70w-4x8038lm [201]
- UOD-21063-4x70w-4x8038lm [26']
- UOD-21064-4x55w-4x6310lm [13']
- UOD-21065-4x55w-4x6310lm [20']
- UOD-21066-4x55w-4x6310lm [26']
- UOD-21071-4x60w-4x6890lm [13']
- UOD-21072-4x60w-4x6890lm [20']
- UOD-21073-4x60w-4x6890lm [26']
- UOD-21077-4x44w-4x3665lm [13']
- UOD-21078-4x44w-4x3665lm [20]
- UOD-21079-4x44w-4x3665lm [26']



Odessa 22

- UOD-21074-4x33w-8038lm [13']
- UOD-21075-4x33w-6310lm [20']
- UOD-21076-4x33w-6890lm [26'] • UOD-21101-4x44w-5433lm [13']
- UOD-21102-4x44w-5433lm [20'] • UOD-21103-55w-5433lm [26']

- UOD-21083-4x70w-4x8038lm [26'] • UOD-21084-4x55w-4x6310lm [13']
- UOD-21086-4x55w-4x6310lm [26'] • UOD-21091-4x60w-4x6890lm [13']
- UOD-21092-4x60w-4x6890lm [20']

- UOD-21099-4x44w-4x3665m [26']



Odessa 23

- UOD-21081-4x70w-4x8038lm [13']
- UOD-21082-4x70w-4x8038lm [20']
- UOD-21085-4x55w-4x6310lm [20']

- UOD-21093-4x60w-4x6890lm [26']
- UOD-21097-4x44w-4x3665lm [13']
- UOD-21098-4x44w-4x3665lm [20']



Odessa 24

- UOD-21094-4x33w RGBW-4x1432lm
- UOD-21095-4x33w RGBW-4x1432lm
- UOD-21096-4x33w RGBW-4x1432lm
- UOD-21111-4x44w RGBW-4x3665lm • UOD-21112-4x44w RGBW-4x3665lm
- UOD-21113-4x44w RGBW-4x3665lm