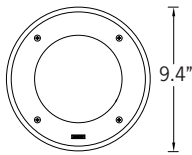
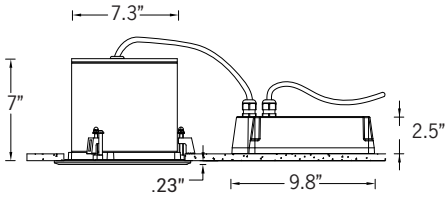


URO-80486

Robust 2 Round Ceiling Downlight



37w LED - 3867 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 9.2 lbs



Construction

Aluminum

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

B1 - U0 - G1

Finishing

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

Paint

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.

Hardware

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)

Ceiling-recessed exterior asymmetric downlights. Tough and sturdy under-canopy fixture family with high-outputs and an impressive array of optical asymmetric beam options.

A Robust exterior or interior downlight with a selection of light distributions. The Robust is unique as it is available with Type II,III & IV light distribution options that facilitates wider spacing and even light distribution between the light fixtures.

This provides higher energy saving and reduced installation costs. The Robust can be manufactured using different type beam optics to achieve custom distribution, e.g using type II and type IV optics inside the same luminaire. (Contact factory for more details)

The driver is integral. A selection of round or square front frames make this luminaire an attractive option for most design applications. Choices of stainless steel or powder coat painted aluminum front frames are available.

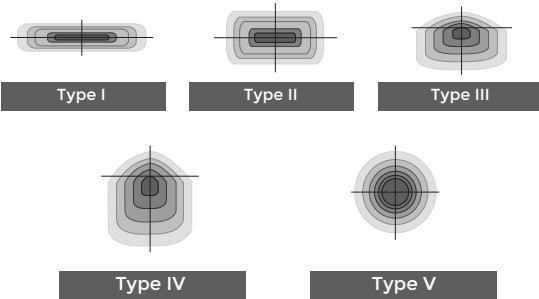
For applications where the ceiling is not rigid enough to support the weight of the fixture, a ceiling tray can be specified, please see options below.

All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options. Not suitable for saunas and steamrooms

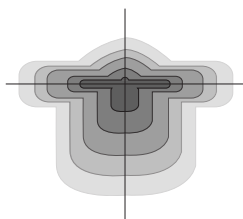
To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected.

microVOS
TECHNOLOGY

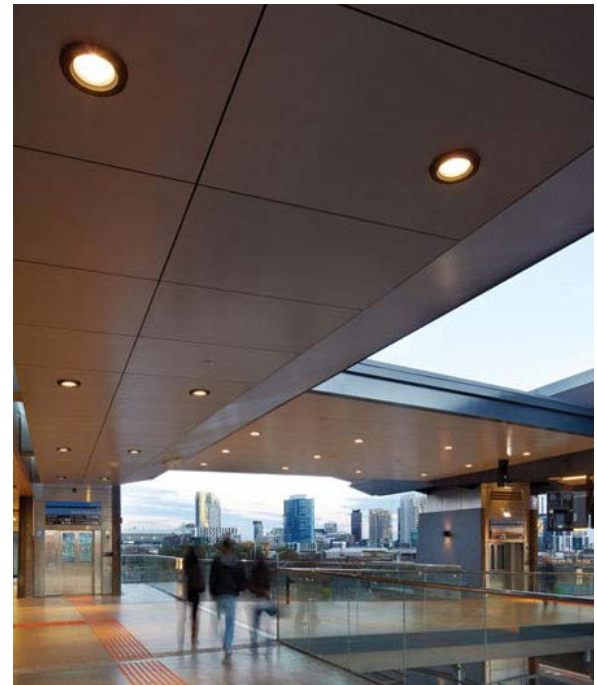
Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



HYBRID
TYPE I & TYPE IV



URO-80486

Robust 2 Round Ceiling Downlight



PROJECT		DATE	
----------------	--	-------------	--

QUANTITY		TYPE		NOTE	
-----------------	--	-------------	--	-------------	--

ORDERING EXAMPLE || URO - 80486 - 37w - T2 - W30 - 02 - 120/277v - Options

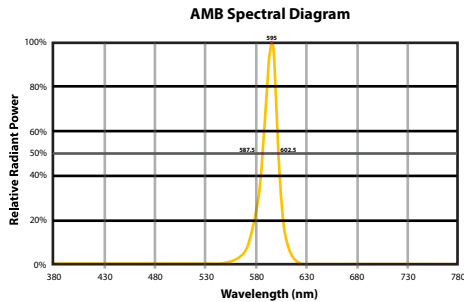
URO-80486				
LAMP	BEAM	LED COLOR	VOLTAGE	
37w LED 3867 Lumens	T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution M - Medium 32° W - Wide 52° VW - Very Wide 65° EW - Extra Wide 108°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	120/277v Other - Specify	

--	--	--	--

ADDITIONAL OPTIONS

- RT - Rough In Tray
- DIM - 0-10v Dimming
- CPB - Concrete Pour Box
- AMB - Turtle Friendly Amber LED
- EMR - Remote Mount Emergency Inverter
- F - Frosted Lens
- NAT - Natatorium Rated

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



Narrow-Spectrum Amber LEDs

Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.



Robust Product Family



Robust 1

- URO-80476-37w-3768lm
- URO-80477-29w-2566lm
- URO-80478-42w-3418lm



Robust 2

- URO-80486-37w-3910lm
- URO-80487-29w-2566lm
- URO-80488-42w-3418lm



Robust 3

- URO-80496-37w-3768lm
- URO-80497-29w-2566lm
- URO-80498-42w-3418lm