

UTA-31871

Tango 30 Square Downlight

microVos
TECHNOLOGY

LIGMAN
NORTH AMERICA



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 - G0

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.

MicroPRIM Finishes

MicroPRIM is Ligman's trade marked decorative powder coating technology that permanently infuses colors, patterns, or imagery directly into the surface of luminaires and poles while providing protections that standard powder coating does not offer.

MicroPRIM finishes include nature-inspired wood grains and stone aesthetics, material-inspired finishes such as brushed metal, concrete, and carbon fiber. Solid colors in Ligman standard colors, as well as any RAL or Pantone color, Decorative patterns, custom imagery and more.

Coating and Infusion Process

Metal components are pre-treated and powder coated with a proprietary polyurethane-based coating engineered for outdoor architectural use. Decorative patterns or imagery are then permanently infused into the cured powder coat through a heat-based process, creating a durable, integrated finish.

Performance and Validation

MicroPRIM finishes are suitable for indoor and outdoor applications and meet AAMA2605 architectural coating requirements. Performance is validated through laboratory and real-world testing to ASTM standards for UV exposure, adhesion, abrasion, impact, salt spray, chemical resistance, and graffiti resistance.

All MicroPRIM finishes are backed by Ligman's 10-year warranty.

Key Performance Attributes
•Anti-graffiti resistance
•UV and weather resistance
•Scratch and abrasion resistance
•Natatorium Rated for installation in corrosive environments

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)

Circular or square form technical up & down-light wall range. Completely tailorable wall-mounted direct/indirect optical lighting solutions for perfect task or architectural lighting.

All luminaires in the Tango Series are available with a wide selection of light distributions and LED wattages, including narrow, medium, wide, very wide, and elliptical beam options. Wall-mounted versions feature downward distributions, with the Tango distinguished by its availability in **Type I, II, III, and IV optics**. These wider roadway-style distributions enable greater fixture spacing and improved uniformity.

Using the Type II optic, the Tango can achieve **up to 40' spacing on center at a 14' mounting height**, delivering an average of **2 fc**. This allows for reduced fixture quantities, lower energy use, and decreased installation costs.

The Tango Series also offers up/down configurations, which can be customized with **different beam spreads** and **different wattages** for the upward and downward optics upon request.

Every Tango luminaire comes standard with a **0-10V dimming driver** for smooth, reliable dimming control.

A **3" mounting plate** and a **4" mounting plate** for junction box installation are included as standard. Optional **surface conduit box trim assemblies** are also available.

For pole or column mounting applications, **custom round pole adapters** can be manufactured to match specific pole diameters. Please contact the factory for additional information.

To comply with **International Dark Sky** requirements, fixtures must be specified with **3000K or warmer LEDs** and installed in a **fixed (non-adjustable) orientation**, with a $\pm 15^\circ$ allowance for leveling.

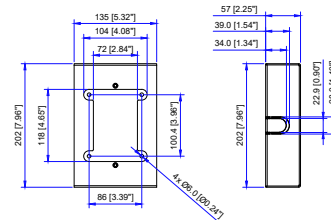
Additional Options (Consult Factory For Pricing)



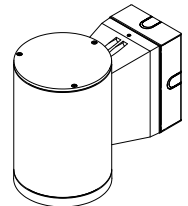
RPA
Round Pole Adapter



AGL
Anti Glare Louvre

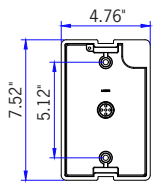
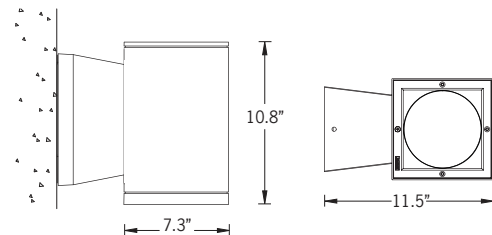


SCBT
Surface Conduit Box Trim



NOTE: This trim covers a **shallow single gang** surface mount junction box [Provided by contractor]
Example: Hubbell - 5322-0 - 1-Gang Weatherproof Box, Five 1/2" in. Threaded Outlets - or - 5332-0 - 1-Gang Weatherproof Box, Five 3/4 in. Threaded Outlets

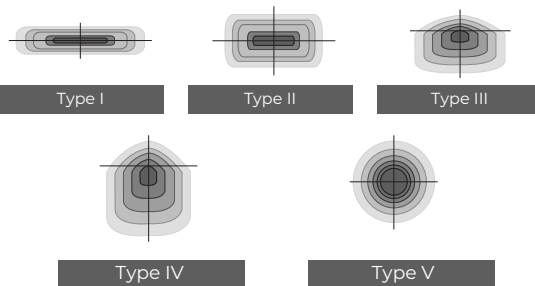
35w - 3,763lm | 28w - 3,024lm | 20w - 2,160lm - LED
IP65 - Suitable For Wet Locations
IK08 - Impact Resistant (Vandal Resistant)
Weight 14.3 lbs



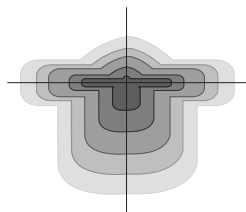
Mounting Detail

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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

UTA-31871

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PROJECT					DATE	
QUANTITY		TYPE		NOTE		

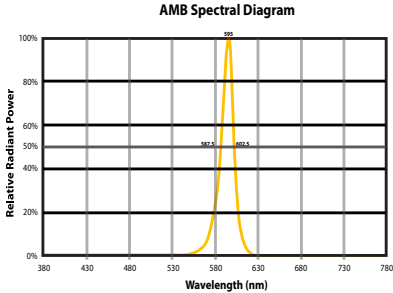
ORDERING EXAMPLE || UTA - 31871 - 35w - T2 - W30 - 02 - 120/277v - Options

UTA-31871					
LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
35w LED 3,763 Lumens	T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution N - Narrow Beam 12° M - Medium Beam 30° W - Wide Beam 56° EW - Extra Wide Beam 121°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K AMB - TURTLE FRIENDLY Amber LED	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v	

ADDITIONAL OPTIONS			

- NAT - Natatorium Rated
SCBT - Surface Conduit Box Trim
F - Frosted Lens
AGL - Anti Glare Louvre
- EMG - Integral Emergency Battery Pack
RPA - Round Pole Adapter
HGT - Custom Height

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.

More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

MicroPRIM FINISHES

- SW01 - OAK FINISH
SW02 - WALNUT FINISH
SW03- PINE FINISH
DF - DOUGLAS FIR FINISH
CW - CHERRY WOOD FINISH
NW - NATIONAL WALNUT FINISH
SU01 - CONCRETE FINISH
SU02 - SOFTSCAPE FINISH
SU03 - STONE FINISH
SU04 - CORTEN FINISH
CSM - Custom Image/Pattern

MicroPRIM FINISHES

- MP - MAPLE FINISH
MHG - MAHOGANY FINISH
BH - BEECH FINISH
CN - CHESTNUT FINISH
WMBL - WHITE MARBLE FINISH
MBL - MARBLE FINISH
GRNT - GRANITE FINISH
BGD - BRUSHED GOLD FINISH
BBRZ - BRUSHED BRONZE FINISH
CAMO - CAMOUFLAGE FINISH

- MP01 - MicroPRIM RAL 9011 Black (Glossy)
MP02 - MicroPRIM RAL 7043 Dark Grey (Glossy)
MP03 - MicroPRIM RAL 9003 White (Glossy)
MP04 - MicroPRIM RAL 9006 Metallic Silver (Glossy)
MP05 - MicroPRIM RAL 9006 Matte Silver (Matte/Textured)
MP06 - MicroPRIM Ligman Bronze (Glossy)
MP07 - MicroPRIM Custom Color (Glossy)



MicroPRIM Finish



Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.



Tango Product Family



Tango 29

- UTA-31861-37w-2777lm - Down
- UTA-31861-29w-2566lm [ASYM] - Down
- UTA-31863-42w-3418lm [ASYM] - Down



Tango 30

- UTA-31871-37w-2777lm - Down
- UTA-31871-29w-2566lm [ASYM] - Down
- UTA-31873-42w-3418lm [ASYM] - Down



Tango 31

- UTA-31881-2x37w-2x2777lm - Up/Down
- UTA-31882-2x29w-2x3521lm [ASYM] - Up/Down
- UTA-31883-2x42w-2x3418lm [ASYM] - Up/Down



Tango 32

- UTA-31891-2x37w-2x3521lm - Up/Down
- UTA-31892-2x39w-2x2566lm [ASYM] - Up/Down
- UTA-31893-2x29w-2x2777lm [ASYM] - Up/Down



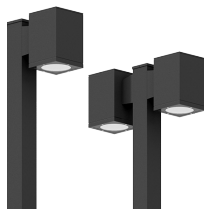
Tango 33

- UTA-80551-37w-2777lm
- UTA-80552-29w-2566lm [ASYM]
- UTA-80553-42w-3418lm [ASYM]



Tango 34

- UTA-80561-37w-2777lm
- UTA-80562-29w-2566lm [ASYM]
- UTA-80563-42w-3418lm [ASYM]



Tango 35

- UTA-20731-37w-2777lm
- UTA-20732-2x37w-2x2777lm



Tango 36

- UTA-20001-38w-4265lm
- UTA-20011-37w-2777lm



Tango 37

- UTA-20021-2x38w-2x4265lm
- UTA-20022-2x37w-2x2777lm

