ULD-20002
Lador Cluster Column

GERMAN INNOVATION AWARD

LIGMAN LIGHTING USA

TURTLE FRIENDLY
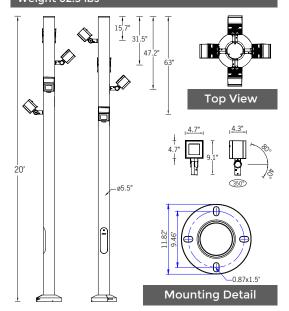
4x37w LED - 4x3500 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 62.3 lbs

15.7"
31.5"
47.2"
63"
20'
ø5.5"

Top View

4.7"
4.7"
4.3"
9.1"
80°
40°
350°

11.82"
9.46"
0.87x1.5"

Mounting Detail

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
Contact Factory

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)

Adjustable column architectural cluster solution. Flexible project solutions in attractive cluster arrangements using the square-form architectural Lador spotlight range.

A range of square outdoor IP66 floodlight projectors that meets both aesthetic and functional applications. This cubic floodlight range is available with 4 different sizes, starting with a small 2.4" square profile at 3w, and increases proportionately to 3" at 11w, 4.5" at 21w and 5.5" square at 40w. This glare free luminaire is available in Narrow 10° beam, Medium 19°, Wide 33°, Very Wide 71° and Elliptical 41°x14° beam patterns.

This luminaire is engineered to meet harsh outdoor environments, as well as being able to be used as a decorative indoor product.

The Lador is provided with an integral driver and has accessories that include; dichroic color filters, linear spread lens, honeycomb louvres and anti-glare visors.

This floodlight also has a unique aiming and locking system for precise mounting and beam aiming.

The Lador product family consists of; floodlights, wall sconces, ceiling mounted squares and cluster column event poles.

This luminaire is available with a natatorium rated coating.

Heights for Lador Cluster Columns
ULD-20001 - 13 feet
ULD-20002 - 20 feet
ULD-20003 - 26 feet

Additional Options (Consult Factory For Pricing)

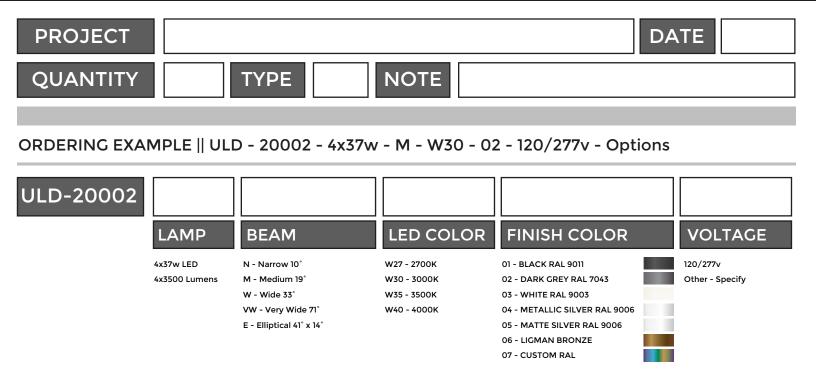| A51414 Linear Spread	A52121 Honeycomb Louvre	A20691 Root Mount Kit	A53131 Anti Glare Visor

Dichroic Color Filters

ULD-20002
Lador Cluster Column

LiGMAN
LIGHTING USA

PROJECT		DATE	

QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || ULD - 20002 - 4x37w - M - W30 - 02 - 120/277v - Options

ULD-20002					
	LAMP	**BEAM**	**LED COLOR**	**FINISH COLOR**	**VOLTAGE**

LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE
4x37w LED	N - Narrow 10˚	W27 - 2700K	01 - BLACK RAL 9011	120/277v
4x3500 Lumens	M - Medium 19˚	W30 - 3000K	02 - DARK GREY RAL 7043	Other - Specify
	W - Wide 33˚	W35 - 3500K	03 - WHITE RAL 9003	
	VW - Very Wide 71˚	W40 - 4000K	04 - METALLIC SILVER RAL 9006	
	E - Elliptical 41˚ x 14˚		05 - MATTE SILVER RAL 9006	
			06 - LIGMAN BRONZE	
			07 - CUSTOM RAL	

ADDITIONAL OPTIONS

DIM - 0-10v Dimming	A52121 - Honeycomb Louvre	**DICHROIC COLOR FILTERS**
NAT - Natatorium Rated	A20691 - Root Mount Kit	A51416 - Red Color Filter
F - Frosted Lens	A53131 - Anti Glare Visor	A51417 - Blue Color Filter
A51414 - Linear Spread Lens	AMB - Turtle Friendly Amber LED	A51418 - Amber Color Filter
		A51419 - Green Color Filter

CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT

AMB Spectral Diagram

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

ETL
Intertek

Lador Product Family

Lador 1
- ULD-50001-3w-222lm
- ULD-50002-6w RGBW-253lm

Lador 2
- ULD-50011-11w-904lm
- ULD-50012-13w RGBW-568lm

Lador 3
- ULD-50021-21w-1975lm
- ULD-50022-18w RGBW-1016lm

Lador 4
- ULD-50031-39w-3568lm
- ULD-50032-36w RGBW-1929lm

Lador 5
- ULD-30001-3w-222lm

Lador 6
- ULD-30011-11w-904lm

Lador 7
- ULD-30021-11w-904lm

Lador 8
- ULD-30031-39w-3568lm

Lador 9
- ULD-80001-3w-222lm

Lador 10
- ULD-80011-11w-904lm

Lador 11
- ULD-80021-21w-1975lm

Lador 12
- ULD-80031-39w-3568lm

Lador 13/14/15
- ULD-20001-4x37w-4x3500lm [13'] Round
- ULD-20002-4x37w-4x3500lm [20'] Round
- ULD-20003-4x37w-4x3500lm [26'] Round
- ULD-20011-4x21w-4x1975lm [13']
- ULD-20021-4x39w-4x3568lm [13']
- ULD-20012-4x21w-4x1975lm [20']
- ULD-20022-4x39w-4x3568lm [20']
- ULD-20011-4x21w-4x1975lm [26']
- ULD-20011-4x39w-4x3568lm [26']

Lador 1 TKM
- ULD-50041-3w-222lm

Lador 2 TKM
- ULD-50051-11w-904lm

Lador 3 TKM
- ULD-50061-21w-1975lm

Lador 4 TKM
- ULD-50071-39w-3568lm

Lador 20
- ULD-50081-3w-222lm

Lador 21
- ULD-50091-11w-904lm

Lador 22
- ULD-50101-21w-1975lm

Lador 23
- ULD-50111-39w-3568lm