

DATE	PROJECT	FIRM	TYPE
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THE L50 INCLUDES PATENTED OPTICAL DESIGN THAT DELIVERS THE WIDEST RANGE OF BEAM ANGLE OPTIONS FOR PRECISE COVE, WALL GRAZING, WALL WASHING OR LINE OF LIGHT APPLICATIONS. EXCLUSIVE FLIP TO FLAT™ HINGE DESIGN PROVIDES FLEXIBILITY WHEN MANAGING SMALL COVE DETAILS. TROV OFFERS SMOOTH, FLICKER FREE DIMMING DOWN TO 0%.



**FEATURES :**

- DIM TO 0%, ELV REVERSE PHASE
- 24 BEAM ANGLES
- MULTI-VOLT
- FLIP TO FLAT™
- 6 CCT OPTIONS
- 80+ AND 90+ CRI OPTIONS
- IP54 INTERIOR AND IP66 EXTERIOR OPTIONS

MODEL/ SIZE	INTERIOR/ EXTERIOR	LENGTH	POWER	CCT	CRI	VOLTAGE	OPTICS
L50	I E	12" 48"	02	<b>WHITE MONO CCT</b>	80 90*	MULT (120-277V)	<b>GRAZING</b> 9 x 9 9 x 17 9 x 29 9 x 59 15 x 15 15 x 23 15 x 35 15 x 65  <b>COVE</b> 120** Asym  <b>LINE OF LIGHT</b> LOL
			04				
<b>ON DEMAND SHIPPING</b>			06	30			40 x 25 45 x 15 70 x 40 70 x 70
			08	35			
			10	40			
			12				
<b>BUILD TO ORDER SHIPPING</b>			22	BL	GR****	Blank For Color	
			50	AM	RD***		

**EXAMPLE:** L50-I-48-10-27-90-MULT-15x65 \*90 CRI not available in 2200K or 5000K \*\*120 is only available with Exterior option. See L35 spec sheet for interior cove options. \*\*\*Red is not available in 12W or 10W. \*\*\*\*Green is not available in 12W.

PERFORMANCE	WATTS	OPTIC	LUMEN OUTPUT	EFFICACY
	2W	40°x 60°	141 lm/LF ( 461 lm/m )	70 lm/W
	4W	40°x 60°	346 lm/LF ( 1135 lm/m )	87 lm/W
	6W	40°x 60°	551 lm/LF ( 1809 lm/m )	92 lm/W
	8W	40°x 60°	768 lm/LF ( 2518 lm/m )	96 lm/W
	10W	40°x 60°	930 lm/LF ( 3050 lm/m )	93 lm/W
	12W	40°x 60°	1081 lm/LF ( 3547 lm/m )	90 lm/W

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX	80+, 90+				
COLOR CONSISTENCY	2-STEP MACADAM ELLIPSE				
LUMEN DEPRECIATION / RATED LIFE	WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
	2W-12W	>150,000	>70,000	>50,000	>25,000

\* CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

ELECTRICAL	POWER CONSUMPTION	2W*/LF (6.6W/M) ; 4W/LF (13.2W/M) ; 6W/LF (19.8W/M) ; 8W/LF (26.4W/M) ; 10W/LF (33W/M) ; 12W/FL (39.6W/M) * 3W/LF (9.9W/M) at 220V-277V																																																																										
	MAX FIXTURE RUN LENGTH	<table border="1"> <thead> <tr> <th rowspan="2">Volts</th> <th colspan="2">2W/LF</th> <th colspan="2">4W/LF</th> <th colspan="2">6W/LF</th> <th colspan="2">8W/LF</th> <th colspan="2">10W/LF</th> <th colspan="2">12W/LF</th> </tr> <tr> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>214</td> <td>214</td> <td>186</td> <td>186</td> <td>152</td> <td>152</td> <td>114</td> <td>114</td> <td>91</td> <td>91</td> <td>76</td> <td>76</td> </tr> <tr> <td>220</td> <td>374</td> <td>392</td> <td>340</td> <td>340</td> <td>277</td> <td>277</td> <td>209</td> <td>209</td> <td>95</td> <td>167</td> <td>95</td> <td>139</td> </tr> <tr> <td>277</td> <td>374</td> <td>494</td> <td>374</td> <td>428</td> <td>349</td> <td>349</td> <td>263</td> <td>263</td> <td>95</td> <td>190</td> <td>95</td> <td>175</td> </tr> </tbody> </table>												Volts	2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF		Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	120	214	214	186	186	152	152	114	114	91	91	76	76	220	374	392	340	340	277	277	209	209	95	167	95	139	277	374	494	374	428	349	349	263	263	95	190	95
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NOTE: Information on this Spec Sheet is subject to change, please visit [ecosenselighting.com/resources](http://ecosenselighting.com/resources) for the most updated information.

DATE	PROJECT	FIRM	TYPE
	<b>POWER FACTOR</b>	4W, 6W, 8W, 10W, 12W >0.9, 2W<0.9	
	<b>OPERATING VOLTAGE</b>	MULTIVOLT: 110-277VAC, 50/60 Hz	
	<b>DRIVER</b>	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS	
	<b>STARTUP TEMPERATURE</b>	-40°F TO 122°F (-40°C TO 50°C)	
	<b>OPERATING TEMPERATURE</b>	-40°F TO 122°F (-40°C TO 50°C)	
	<b>STORAGE TEMPERATURE</b>	-40°F TO 176°F (-40°C TO 80°C)	
<b>CONTROL</b>	<b>DIMMING</b>	110-277VAC, ELV TYPE 0.07%-100%, REVERSE PHASE, TRAILING EDGE ETC control systems require 0-10V control using EcoSense LDCM. TROV will not work with ETC phase dimmers.	
<b>PHYSICAL</b>	<b>DIMENSIONS</b>	W 1.6" x H 2" x L 12"/48"; (41.6mm x 50.5mm x 304.7mm/1201mm)	
	<b>HOUSING /LENS</b>	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS; PLASTIC ENDCAPS RUBBER OVERMOLD FOR CABLE ASSEMBLY	
	<b>WEIGHT</b>	1.52LBS / 0.69KG (1FT) ; 4.95LBS / 2.25KG (4FT)	
	<b>CONNECTORS</b>	INTEGRAL MALE/ FEMALE CONNECTORS	
	<b>ENVIRONMENT</b>	INDOOR • ETL CERTIFIED FOR DRY/DAMP LOCATIONS IP54 OUTDOOR • ETL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 Not intended to be used in water features such as waterfalls, fountains, etc.	
	<b>BEAM ANGLE</b>	GRAZING, WASHING, COVE, ASYMMETRIC, LINE OF LIGHT	
	<b>MOUNTING OPTIONS</b>	INTEGRAL MOUNTING AND ADJUSTABLE AIMING FROM 0°-180° IN 15° INCREMENTS	

**FIXTURE RATING & CERTIFICATIONS**

ETL CERTIFIED  
RoHS COMPLIANT  
RCM CERTIFIED



Title 24  
JA8-2016

\*90 CRI models only

LIMITED WARRANTY 5 YEARS

**WIRING OPTIONS (MVOLT): 110-277VAC**

- Power Cable Assembly, TROV, Leader/Jumper, 10 foot.....CBL-3P-L-UNV-10\*
- Power Cable Assembly, TROV, Leader/Jumper, 50 foot.....CBL-3P-L-UNV-50\*
- Power Cable Assembly, TROV, Jumper, 5 foot.....CBL-3P-L-UNV-05\*\*
- Power Cable Assembly, TROV, Jumper, 1 foot .....CBL-3P-L-UNV-01\*\*
- Power Cable Assembly, TROV, Male and Female terminator caps.....CBL-3P-L-UNV-CAPS

\*Two (2) terminators are included with the 10' and 50' power cable. One Leader need per circuit/fixture run. Cables are not plenum rated.

\*\* If using the 5' or 1' power cable assembly as a leader to power a run, one set of CBL-3P-L-UNV-CAPS will also be needed per cable.

**0-10V CONTROL OPTIONS**

100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated ..... LDCM-PL-120-277-010V-GR

All products come standard with ELV dimming capabilities. 0-10V Control options required for operation at 0-10V.

**OPTIONAL ACCESSORIES**

**Mounting**

- Mounting Track and Clips Set, 48 Inch Track, 8 Clips ..... MNT-L-TRKCLIP-48 .....48" track and clips set will work with one 48" fixture or four 12" fixtures. (FOR INTERIOR USE ONLY)
- Mounting Track and Clips Set, 12 Inch Track, 2 Clips.....MNT-L-TRKCLIP-12 .....12" track will not work with 48" fixtures. (FOR INTERIOR USE ONLY)
- Mounting Track Clip, TROV, Set of 2..... MNT-L-CLIP .....Clips needed = 12" fixtures need 1 set of 2 and 48" fixture needs 2 sets of 2.
- 90 Degree L bracket, TROV, Set of 2.....MNT-L-LBKT .....L-Brackets needed = 12" fixtures need 1 set of 2 and 48" fixture needs 1 set of 2.
- Angle Locking Clip, TROV, Pack of 10..... MNT-L-ANGLOCK .....Angle Locks needed = 12" fixtures need 1 and 48" fixtures need 2. (Must order separately)
- Mounting, Fine Adjustment Bracket, TROV ..... MNT-L-FAB .....Fine Adjustment Brackets needed = 12" fixtures need 1 and 48" fixtures need 2. \*Fine Adjustment Bracket is highly recommended for Grazing Optics.
- Mounting, Fine Adjustment L-Bracket, TROV .....MNT-L-LFAB .....Fine Adjustment L-Brackets needed = 12" fixtures need 1 and 48" fixtures need 2. \*Fine Adjustment L-Bracket is recommended for Asymetric Optics when aiming is needed.

**Snap-on Lenses**

- Snap-on Lens, Frosted, 12 inch, L50 .....LENS-L50-FROST-12
  - Snap-on Lens, Frosted, 48 inch, L50 .....LENS-L50-FROST-48
  - Snap-on Lens, Clear, 12 inch, L50 .....LENS-L50-CLEAR-12
  - Snap-on Lens, Clear, 48 inch, L50 .....LENS-L50-CLEAR-48
- Snap-on Lenses need = One 12" lens is needed per 12" fixture and one 48" lens is needed per 48" fixture. Snap on Lenses will not work with the asymmetric fixture. Clear lenses can be used to hold colored filters to customize the output color of any TROV fixture, except the ASYM. Color filters supplied by others.

**Wall Mount Arm**

- Wall Mount Arm, 6 inch, TROV ..... WMA-L-CA-06
  - Wall Mount Arm, 12 inch, TROV ..... WMA-L-CA-12
  - Wall Mount Arm, 18 inch, TROV ..... WMA-L-CA-18
  - Wall Mount Arm, 24 inch, TROV ..... WMA-L-CA-24
  - Wall Mount Arm End Plate Set, TROV, Includes Left and Right..... WMA-L-END
  - Wall Mount Arm Joiner Plate, TROV ..... WMA-L-JNR
- Wall Mount Arms needed = For individual fixture installations two arms and one end set will be needed per fixture. For continuous run installation one end set will be needed per run. Each end set contains one left and one right end plate. One joining set will be needed per joint. One arm per fixture will be needed plus one extra arm to complete the run. For example: A 10ft run made with two 4ft and two 1ft fixtures will contain; 1 x WMA-L-END, 3 x WMA-L-JNR, and 5 x WMA-L-CA-12. Leader cables are not included with wall mount arms, end sets, or joiners sets.

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**Louvers**

- Louver, Asymmetric, 12 inch, L50 ..... LV-L50-ASYM-12
- Louver, Asymmetric, 48 inch, L50 ..... LV-L50-ASYM-48
- Louver, Symmetric, 12 inch, L50 ..... LV-L50-SYM-12
- Louver, Symmetric, 48 inch, L50 ..... LV-L50-SYM-48
- Louver, Honeycomb, 12 inch, L50 ..... LV-L50-HCOMB-12
- Louver, Honeycomb, 48 inch, L50 ..... LV-L50-HCOMB-48

Louvers Needed = One 12" louver is needed per 12" fixture and one 48" louver is needed per 48" fixture. 48" louver is made up of four 12" louvers. Louvers cannot be used with the asymmetric fixture

**OPTIONAL ACCESSORIES**

**Masking Plates**

- Masking Plate, 3 inch high, 12 inch, L50 & L35 ..... MP-L50-3H-12
- Masking Plate, 3 inch high, 48 inch, L50 & L35 ..... MP-L50-3H-48

Masking Plates needed = One 12" plates is needed per 12" fixture and one 48" plates is needed per 48" fixture.

**Landscape Stake**

- Landscape Stake, 6 inch, TROV, Set of 2 ..... LS-L-STK-06
- Landscape Stake, 12 inch, TROV, Set of 2 ..... LS-L-STK-12
- Landscape Stake, 18 inch, TROV, Set of 2 ..... LS-L-STK-18

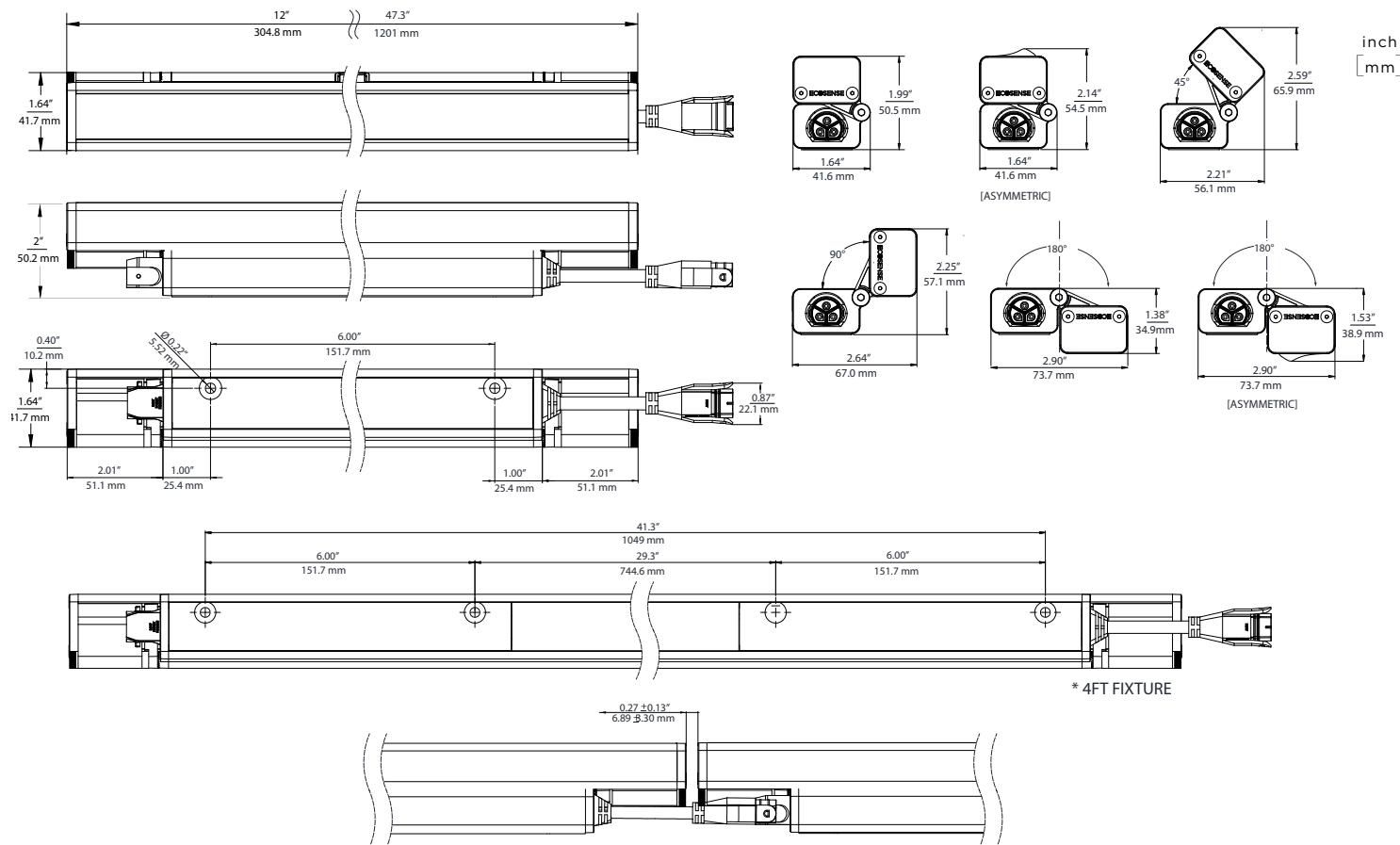
Landscape Stakes needed = 12" and 48" fixtures both need one set of 2.

**Wire Box**

- Conduit Connection, Wire Box, TROV, Interior Only, L50 ..... CC-L-WIREBOX

Wire box can be used instead of a leader cable to start a run. 1/2" conduit fitting can attach directly to the box on one end and the fixture to the other.

**DIMENSIONS + MOUNTING**



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Fine Adjustable Bracket:

