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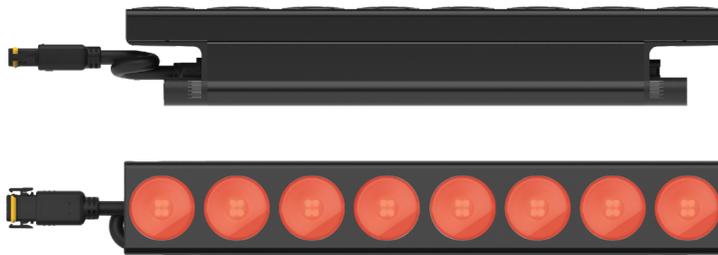
L45 RGBW | INTERIOR + EXTERIOR

DATE	PROJECT	FIRM	TYPE

TROV L45 RGBW delivers a smooth open beam distribution in a slim form factor for cove and other accent lighting applications. With VividSync™ and color mixing optics, L45 provides uniform color mixing with no setback or mixing distance.

Features

- RGBW quad chips and color mixing optics provide uniform color mixing with ZERO mixing distance or setbacks.
- Channel Max™ directs all driver output to the LEDs in use
- VividSync™ ensures consistant output for every 12in section
- Friction hinge allows infinite aiming from 0°-180°
- Aiming indicators for precise aiming
- IP66 exterior rated
- Two standard finishes: Black & White

Model Size	Interior/ Exterior	Length	Power	Spectra	Voltage	Optics	Finish
L45	E - Exterior I - Interior	12 - 12IN 48 - 48IN	10 - 10W/FT 12 - 12W/FT 14 - 14W/FT 16 - 16W/FT 18 - 18W/FT	RGB3 - 3000K 80CRI White RGB4 - 4000K 80CRI White Red 625nm Green 527nm Royal Blue 453nm	MULT (100-277VAC)	120	K - Black W - White
On Demand Shipping							
Build to Order Shipping							S - Silver Z - Bronze C - Custom

Example: L45-I-48-10-RGB4-MULT-120

Performance

Watts/FT	Channel	Optic	Lumen Output		Efficacy
18W	Red	120°	221 lm/ft	725 lm/m	17 lm/W
	Green	120°	691 lm/ft	2266 lm/m	46 lm/W
	Blue	120°	102 lm/ft	335 lm/m	7 lm/W
	4000K	120°	776 lm/ft	2545 lm/m	53 lm/W
	Full Output	120°	741 lm/ft	2430 lm/m	39 lm/W
10W	Red	120°	140 lm/ft	459 lm/m	19 lm/W
	Green	120°	405 lm/ft	1328 lm/m	49 lm/W
	Blue	120°	56 lm/ft	185 lm/m	7 lm/W
	4000K	120°	397 lm/ft	1302 lm/m	48 lm/W
	Full Output	120°	371 lm/ft	1217 lm/m	36 lm/W

Color Rendering Index — White LED 80+
Color Consistency — White LED 3-Step Macadam Ellipse

Lumen Maintenance

	Reported*						Calculated**					
	25°C			50°C			25°C			50°C		
	L90	L80	L70	L90	L80	L70	L90	L80	L70	L90	L80	L70
L45 RGBW All Optics - 10W/ft	>90,000	>90,000	>90,000	30,684	62,992	>90,000	133,965	282,258	450,368	30,684	62,992	99,618
L45 RGBW All Optics - 18W/ft	30,684	62,992	>90,000	31,173	64,471	>90,000	30,684	62,992	99,618	33,173	64,471	102,223

*REPORTED HOURS COMPLY WITH TM-21 GUIDELINES THAT EXTRAPOLATIONS CANNOT EXCEED SIX TIMES LM-80 TESTED LED HOURS.
**CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR.

Max Run Length — Maximum run length is determined by input voltage and wattage of the fixture, or a 30 fixture count set by the DMX-RDM standard ANSI E1.11 2008. Run lengths should be the shortest of the two. 48in fixtures count as 1 fixture.

TROV Max Run Length (ft)		
VAC (V)	10W	18W
120	97	54
220	120	99
277	120	120

TROV Max Run Length (m)		
VAC (V)	10W	18W
120	29.6	16.5
220	36.5	30.2
277	36.5	36.5

Protocol	Limitations
DMX	30 Fixtures

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ELECTRICAL	Driver	Proprietary integral driver, one driver per fixture (See driver spec Sheet for more details)
	Power Consumption	10W/FT (33W/M); 12W/FT (39W/M); 14W/FT (46W/M); 16W/FT (52W/M); 18W/FT (59W/M); 10-18W/FT @120V PF>0.90 (See driver Spec Sheet for more details)
	Power Factor	
	THD	<10% @120V
	Operating Voltage	MULTI-VOLT: 100-277VAC, 50/60Hz
	Startup Temperature	-40˚F TO 122˚F (-40˚C TO 50˚C)
	Operating Temperature	-40˚F TO 122˚F (-40˚C TO 50˚C)
	Storage Temperature	-40˚F TO 176˚F (-40˚C TO 80˚C)
Control	Dimming Protocol	**DMX/RDM:** 8-BIT and 16-BIT; Factory settings = ch.1 8-BIT 48in Resolution: 12in, 24in, and 48in; Factory settings = 48in Dimming Curve: Log or Linear; Factory settings = Log
	Dimming Range	100%-2%
Physical	Dimensions	H 1.99" X W 1.86" X L 12"/48"; (50.5mm X 47.3mm X 305mm/1220mm)
	Housing/Lens	Extruded aluminum housing; UV stabilized polycarbonate optic; Stainless steel fasteners; rubber overmolded cable assembly
	Weight	1.8LBS / 0.82KG (1FT) ; 5.2LBS / 6.9KG (4FT)
	Connectors	Integral male / female connectors
	Environment	Exterior • UL Certified for wet location IP66 Interior • UL Certified for damp locations IP54 Impact rated to IK03 Meets 5G ANSI C136.31 vibration standard for bridge applications Not intended to be used in water features such as waterfalls, fountains, etc..
	Finish	Corrosion resistant finish using high durability triglycidyl isocyanurate (TGIC) powder coatings specifically designed for exterior weather exposure
	Mounting Options	Integral mounting and adjustable lockable aiming from 0°-180° increments
Fixture Rating & Certifications	UL LISTED, CE RCM, NOM & PSE RoHS COMPLIANT	CE · UL CERTIFIED · RoHS COMPLIANT · NOM · PSE · RoHS COMPLIANT
Limited Warranty	5 Years	

Wiring Options 100-277VAC (One Leader Cable or Wire Box needed per run)

TROV L45 L60, 6-pin, Black, Leader with Terminator Caps, Universal Voltage, 10ft CBL-6P-LBK-LDR-UNV-10
TROV L45 L60, 6-pin, Black, Leader with Terminator Caps, Universal Voltage, 50ft CBL-6P-LBK-LDR-UNV-50
TROV L45 L60, 6-pin, Black, Leader with Terminator Caps, Universal Voltage, 25ft.. CBL-6P-LBK-LDR-UNV-25
TROV L45 L60, 6-pin, Black, Jumper, Universal Voltage, 5ft CBL-6P-LBK-JMP-UNV-5
TROV L45 L60, 6-pin, Black, Jumper, Universal Voltage, 1ft CBL-6P-LBK-JMP-UNV-1
TROV L45 L60, 6-pin, Black, DMX 120-Ohm Terminator Cap Set, Male and Female, Universal Voltage................................CBL-6P-LBK-DMX-CAP-UNV
TROV L45 L60, 6-pin, Interior Wire Box, White...L45L60-A-I-WIREBOX

*DMX Terminator caps MUST be ordered separately from the leader cable or wire box. Order one set for every leader cable or wire box. Leader cables and jumper cables come with connectors on both ends. Jumpers can be used as leader cables.

Optional Accessories

Mounting Track

TROV L45 L60, Mounting Track, 12in, White L45L60-A-MNT-TRACK-12-W
TROV L45 L60, Mounting Track, 48in, White L45L60-A-MNT-TRACK-48-W
TROV L45 L60, Mounting Track, 12in, Black L45L60-A-MNT-TRACK-12-K
TROV L45 L60, Mounting Track, 48in, Black..L45L60-A-MNT-TRACK-48-K
TROV L45 L60, Mounting L-Track, 12in, White...L45L60-A-LTRACK-12-W
TROV L45 L60, Mounting L-Track, 48in, White.. L45L60-A-LTRACK-48-W
TROV L45 L60 Mounting L-Track, 12in, Black.. L45L60-A-LTRACK-12-K
TROV L45 L60, Mounting L-Track, 48in, Black...L45L60-A-LTRACK-48-K
TROV L45 L60, Track, KEC, and Masking Plate Mounting Clip, Set of 2, (1 Set per Fixture) L45L60-A-MNT-CLIP

*One set of clips are required per fixture. See Mounting Track spec sheet for more information.

Louvers

TROV L45 L60, Half Louver, Black, 12in L45L60-A-LV-HL-12
TROV L45 L60, Half Louver, Black, 48in L45L60-A-LV-HL-48
TROV L45 L60, Full Louver, Black, 12in..L45L60-A-LV-FL-12
TROV L45 L60, Full Louver, Black, 4x12in...L45L60-A-LV-FL-48
TROV L45 L60, Honeycomb, Louver, Black, 12in...L45L60-A-LV- HCOMB-12
TROV L45 L60, Honeycomb, Louver, Black, 4x12in...L45L60-A-LV- HCOMB-48

*48in SKUs consist of four 12in louvers. See Louver spec sheet for more information.

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SNAP ON LENSES

TROV L45, Snap on Frosted Lens, 12in L45-A-FRLS-12
TROV L45, Snap on Frosted Lens, 48in L45-A-FRLS-48
TROV L45, Snap on Clear Lens, 12in..L45-A-CLLS-12
TROV L45, Snap on Clear Lens, 48in..L45-A-CLLS-48
*See Snap on Lens spec sheet for more information.

Masking Plates (Silver, bronze, and custom finishes have longer lead-times and increased pricing)

TROV L45 L60, Masking Plate, 5in Tall, 12in Long, (Black, White, Silver, Bronze, Custom) ....L45L60-A-MP5-12-(K,W,S,Z,C)
TROV L45 L60, Masking Plate, 5in Tall, 48in Long, (Black, White, Silver, Bronze, Custom). ....L45L60-A-MP5-48-(K,W,S,Z,C)
TROV L45 L60, Masking Plate, 5in Tall, 90-Deg Coffer Corner, (Black, White, Silver, Bronze, Custom)..L45L60-A-MP5-C90-(K,W,S,Z,C)
TROV L45 L60, Masking Plate, 5in Tall, 90-Deg Raft Corner, (Black, White, Silver, Bronze, Custom)...L45L60-A-MP5-R90-(K,W,S,Z,C)
TROV L45 L60, Track, KEC, and Masking Plate Mounting Clip, Set of 2, (1 Set per Fixture)...L45L60-A-MNT-CLIP
*One set of clips are required per fixture. See Masking Plate spec sheet for more information.

Wall Mount Arm System (Silver, bronze, and custom finishes have longer lead-times and increased pricing)

TROV L45 L60, Wall Mount Assm, 6in Arm, (Black, White, Silver, Bronze, Custom)..L45L60-A-WMA-CA-06-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, 12in Arm, (Black, White, Silver, Bronze, Custom)...L45L60-A-WMA-CA-12-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, 18in Arm, (Black, White, Silver, Bronze, Custom)...L45L60-A-WMA-CA-18-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, 24in Arm, (Black, White, Silver, Bronze, Custom)...L45L60-A-WMA-CA-24-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, 12in Tray (1 per 12in Fixture), (Black, White, Silver, Bronze, Custom)..........................L45L60-A-WMA-TRAY-12-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, 48in Tray (1 per 48in Fixture), (Black, White, Silver, Bronze, Custom).....................L45L60-A-WMA-TRAY-48-(K,W,S,Z,C)
TROV L45 L60, Wall Mount Assm, End Cap Set (1 Per Run), (Black, White, Silver, Bronze, Custom).............................L45L60-A-WMA-ENDCAPS-(K,W,S,Z,C)
*See Wall Mount Arm System spec sheet for more information.

Landscape Stakes (anodized aluminum finish only. not finished to match fixtures)

TROV Landscape Stake 6inch, Anodized Aluminum Finish, Set of 2 ....LS-L-STK-06
TROV Landscape Stake 12inch, Anodized Aluminum Finish, Set of 2 ....LS-L-STK-12
TROV Landscape Stake 18inch, Anodized Aluminum Finish, Set of 2 ....LS-L-STK-18
*See TROV L50 Landscape Stake spec sheet for more information.

Knife Edge Cove

See TROV L45 Knife Edge Cove Spec Sheet for ordering information.

Dimensions

304.7mm [12in]
1219.2mm [48in]

50.5mm [1.99in]
30.7mm [1.21in]

47.5mm [1.87in]
49.2mm [1.94in]
50mm [1.97in]

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