



Featuring Fiberglass Housing

Description

The LWST4i Wide Gasketed LED Enclosure is built for largescale industrial and commercial environments where high output and extreme durability are essential. Its wide-body fiberglass housing accommodates up to 40,000 lumens, making it ideal for high-ceiling spaces that demand serious light output. Featuring a poured-in-place gasket, 316 stainless steel hardware, and IP65/ IP66/IP67 plus NEMA 4X ratings, the LWST4i handles moisture, dust, chemicals, and high-pressure washdowns without compromise. NSF-certified and designed to minimize debris retention during cleaning, it's a workhorse for food processing, industrial facilities, and anywhere durability meets high-bay lighting needs.

Technical Specifications

Benefits and Features

- Non-combustible UL 5VA fiberglass housing won't melt or burn
- UV-stabilized f1 rating for continuous outdoor exposure.
- UL 746 certified for water exposure and immersion
- Pour-in-place polyurethane gasket watertight seal.
- Fungus-resistant gasket prevents biological growth
- Captive latches won't fall off during maintenance.
- Tool-free latch operation reduces service time.
- Available in white or 316 stainless steel latches.
- Impact-resistant acrylic or polycarbonate lens options.
- Available in 4 ft
- Made in USA with BAA/BABA compliance.

Electrical

- Universal voltage operation (120-277 VAC) standard.
- High voltage option available (347-480 VAC).
- Standard 0-10V dimming for lighting control integration.
- Dim-to-off capability for maximum energy savings.
- Multi-CCT switchable options (3000K/4000K/5000K).

Performance

- 20,000-40,000 Lumens package
- 140W-290W wattage range
- Up to 140 lm/W efficacy
- CCT Options 3000K, 2500K, 4000K, 5000K
- 80 (standard) 90 (optional) CRI
- -40°F to 131°F (-40°C to 55°) Operating Temp

Mounting

- V-Hook, Mounting Strap or Rigid Mounting Beam available
- 1/2" NPT, 2 ends 1/2" NPT Hub Sizes

Certifications

- UL 1598 listed for wet location applications.
- NSF International certified for food service environments.
- IP65, IP66, and IP67 ingress protection ratings.
- NEMA 4X rated for corrosive and outdoor conditions.
- RoHS compliant for environmental safety.
- DLC QPL qualified for energy rebate programs.
- 5 Year warranty (5-Year Warranty based on our Limited Warranty Document)

Ordering Information

LWST4i – Options / Ordering Example: LWST4i-4-SCA-20L-22-90-H-DTO-W

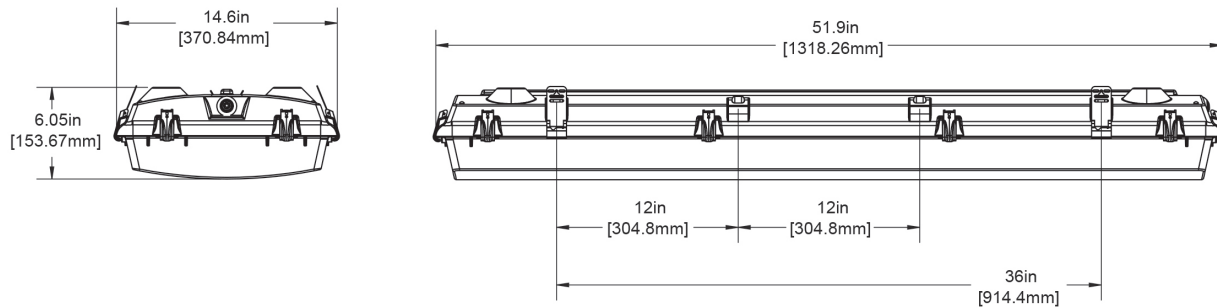
Model	Length	Lens Options	Lumens	Color Temperature	CRI	Voltage	Dimming	Latches
LWST4i	4 - 4'	SCA - Smooth Clear Acrylic	20L - 20,000 lm	22 - 2200K	Blank - 80 CRI	Blank - Universal (120-277 VAC)	Blank - 0-10V	W - White
		SFA - Smooth Frosted Acrylic	25L - 25,000 lm	27 - 2700K	90 - 90 CRI		DTO - Dim to OFF	SS - Stainless Steel
		SCP - Smooth Clear PC	30L - 30,000 lm	30 - 3000K		H - High (347-480 VAC)		
		SFP - Smooth Frosted PC	35L - 35,000 lm	50 - 5000K				
			40L - 40,000 lm					
			XL - xx,000 lm*					

*Note: Extended lumen packages available, ask your sales agent for more info

OPTIONS

Mounting	Hub Location	Emergency	Cord	Controls
VH - V-Hook	E50 - 1 End ½"	E10 - 10 W Emergency	C10 - 10 ft White	OS - PIR Occupancy Sensor
MSS - Mounting Strap	2E50 - 2 Ends ½"		C10P - 10 ft White Cord with Plug	
MBS - Rigid Mounting Beam				

Dimensions



Component Assembly View

