

CHLED™

led channel

LED CHANNEL

Comparable to 2 32WT8 – 4 54W T5HO
4676 Lumens@40W – 20,740 Lumens@172W



4 Foot



8 Foot

The CHLED series of low profile, open LED channels provides superior energy efficiency and a longer, maintenance-free operating life over the traditional T5 and T8 fluorescent fixtures they are designed to replace.

Using up to 28% less energy and operating for 72,000 hours (L70), the CHLED LED channels are ideal for upright and downlight in commercial, manufacturing, warehouse, and residential applications, including coves and displays.

CHLED is available in 4' and 8' lengths with a choice of 3 lumen packages per size in 3 color temperatures.

UPGRADE YOUR LIGHTING WITH LED

Whether you're adding new lighting or replacing existing outdated lighting, Simkar's CHLED LED channels provide illumination, performance, and durability.

SUPERIOR PERFORMANCE

The CHLED Series offers a familiar form with exceptional performance.

Used any place a traditional fluorescent strip would be found, the CHLED offers a wide range of lumen outputs and three color temperatures.

LONG-TERM RELIABILITY AND OPERATION

A 72,000 hour operating life (L70) lets you install the fixtures and expect over 16 years of LED operating life.

EXPANDED OPERATION

Also offered are great options for mounting, emergency lighting, and dimming, further extending the range of applications that are ideal for the CHLED.



- More light, using less energy – up to 28% energy savings vs. fluorescent
- Longer lasting light; 72,000 hour (L70) operating life
- Heavy gauge steel housing
- 3500K, 4100K, and 5000K temperatures
- Control friendly, 0-10V dimming
- Toolless access
- Wireway secured with tether for convenient installation & maintenance
- Surface, pendant, stem, or chain mount
- 120V-277V operation standard
- C-UL-US Listed
- DesignLights™ Consortium (DLC) qualified
- 5-year limited warranty

HOUSING Housing, wireway cover, and ends are die-formed heavy gauge steel with high gloss, baked white enamel finish over rust inhibiting phosphate coat. Housing and wireway cover act as heat sink to dissipate heat, maximizing the life of the LEDs and power supplies. Ample knockouts provided on back, ends, and sides. Reflectors are available as options or accessories.

LEDS 4' fixtures available in 3 light level (delivered); 5042 lumens (43W), 6574 lumens (60W) and 10,240 lumens (86W) at 4100K CCT, >80 CRI. Also available in 3500K and 5000K color temperatures. 8' fixtures available in 3 light levels (delivered); 10,010 lumens (86W), 13,570 lumens (125W), and 19,460 lumens (172.5W) at 4100K CCT, >80 CRI. Also available in 3500K and 5000K color temperatures. Beam spread is 110 degrees. LEDs are LM-80 tested. Operating life is 72,000 hours (L70) for 43W, 86W, and 170W units; 60,000 hours (L70) for 60W and 120W units. Light engines consist of 128, 256 or 512 mid-power LED chips mounted on aluminum core printed circuit boards. LED light engines are replaceable.

ELECTRICAL 120-277V LED power supply. Power factor is >0.9. 0-10V dimmable standard. Power supplies are mounted in direct contact with steel housing for cooler

operation and longer life. Drive current is 1500mA for 4' fixtures (43W, 86W units) and for 8' fixtures (86W, 170W). Drive current is 2100mA for 4' 60W and 8' 125W fixtures. One power supply is used in 43W and 60W units. Two power supplies are used in the 86W and 120W units. Four power supplies are used in the 170W unit. Power supplies can be accessed from below and are replaceable. The CHLED series is designed to operate in temperatures of -40°F (-40°C) to 113°F (40°C).

ACCESS / WIRING Toolless access to wireway channel. Wireway cover/LED tray snaps onto the housing and can be removed without tools. LED tray can be secured to housing with screws (optional). Wireway cover/LED tray is tethered to the housing for easier installation and maintenance. Internal plug-in wiring harness.

MOUNTING Suitable for surface, pendant, stem, or chain mounting, individually or in continuous rows. Use accessory CHJ joiner to connect fixtures in continuous rows.

LISTINGS C-UL-US listed, damp location. DesignLights™ Consortium qualified.

WARRANTY 5 year limited warranty

CHLED LED Channel Configuration

SERIES	LENGTH	WATTAGE*	COLOR TEMP	VOLTAGE	OPTIONS	ACCESSORIES
CHLED	4 = 4'	4' UNITS 43 = 43W 60 = 60W 86 = 86W	35 = 3500°K 41 = 4100°K 50 = 5000°K	U1 = UNV 120-277V 347 = 347V 480 = 480V	ELS = Emergency Backup, 900lm 6' CORD AND PLUG CPT(x) 1 = 120V 2 = 277V 3 = 208V 4 = 240V 5 = 480V CP3 = Cord & Plug-120V Straight Blade 5-15P FL4 = 3/8", 6' flex with two #18, one ground and two connectors FL5 = 3/8", 6' flex with three #18, one ground and two connectors REFLECTORS SRW = 48" symmetrical white; order 2 for 96" units.	C = Single white canopy (for use with pendant mount) CA24 = Chain Hanger Assembly-(2) 18" chains, (2) "V" hooks, (2) "S" hooks for total drop 24" CHJ = Housing Joiner (to connect long runs) CS24 = "S" Hook (4) Chain Hanger Assembly (24" total drop) PM(x) = Pendant Mount, white stem-specify length in inches (24, 36, 48, 60, 72) SN = Snapper Brackets TBH = T-Bar grid mounting clip WG240 = 48" wire guard (order 2 for 8' units) REFLECTORS AR(x) 240 = 48" Asymmetrical; order 2 for 96" units. For (x) enter (W) for white or (S) for specular aluminum
	8 = 8'	8' UNITS 86 = 86W 120 = 120W 170 = 170W				

*Nominal. See performance tables for actual input power.

CHLED Performance - 4100K CCT

Model	Light Output*	Input Power	Efficacy
CHLED44341U1	5,042 lumens	43.3 watts	116 lpw
CHLED46041U1	6,574 lumens	62.8 watts	105 lpw
CHLED48641U1	10,240 lumens	84.3 watts	121 lpw
CHLED88641U1	10,010 lumens	81.3 watts	123 lpw
CHLED812041U1	13,570 lumens	122.1 watts	111 lpw
CHLED817041U1	19,460 lumens	164.3 watts	118 lpw

*Delivered lumens **Consult a lighting engineer to meet specific requirements.

Dimensions

