LumiChannel

LED Light Channel

evo-lite

CUSTOMIZABLE
// Custom lengths up to 100"

BRIGHT & EVEN ILLUMINATION
// 3D V-Cutting technology
// Superior consistent light quality

EASY INSTALLATION
// Plug & play installation

LONG LIFESPAN
// Patented heat sink technology to maximize LED lifespan (70,000 hours)

ENERGY EFFICIENT
// Low power consumption (70% less than fluorescent)
// Energy saving and maintenance free

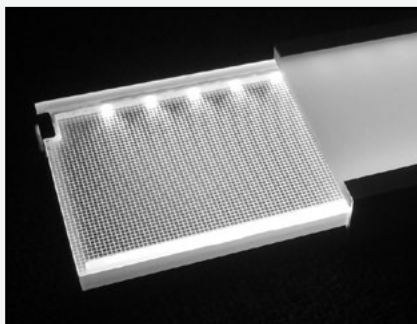### WARRANTY
// Advanced 3-year warranty

LOW PROFILE CUSTOM FIXTURE

The LED Light Channel combines a 3" wide LumiSheet™ Light Panel and a milky white or colored diffuser into a less than 1" thick "U-Channel" made of aluminum extrusion. The standard light lengths are 12", 24", 36", 48" and 60", and can be custom made up to 100". Each Light Channel comes with two mounting brackets on both ends which make it extremely easy to install.
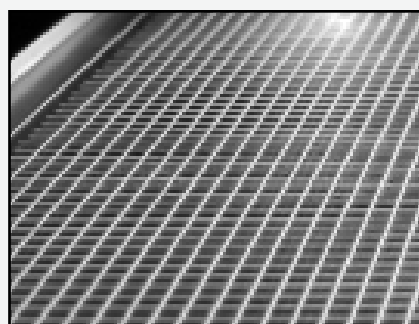
Integrated High Quality LEDs

LumiSheet™ LED Light Channel utilizes the LumiSheet™ technology which relies upon high quality 12V, constant voltage LEDs positioned internally, around the perimeter of the light panel.
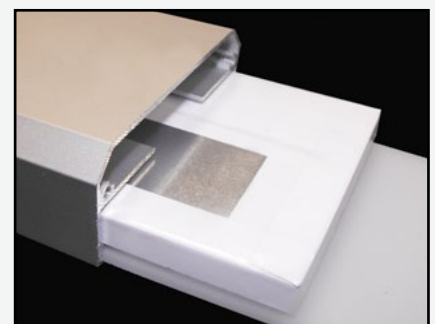

3D V-Groove Light Guide Plate (LGP)

LumiSheet™ LED Light Channel incorporates the LumiSheetTM technology as the light source for this unique product offering. A crystal clear acrylic with a bonded diffusion layer combined with a patented 3D V-groove etched grid pattern provides bright, even illumination.

Integrated Thermal Management

All LEDs create heat which is detrimental to their life span. LumiSheet™ LED Light Channel implements LumiSheet™ and its patented technology which integrates the heat sink into the LGP to efficiently remove heat which results in longer life.
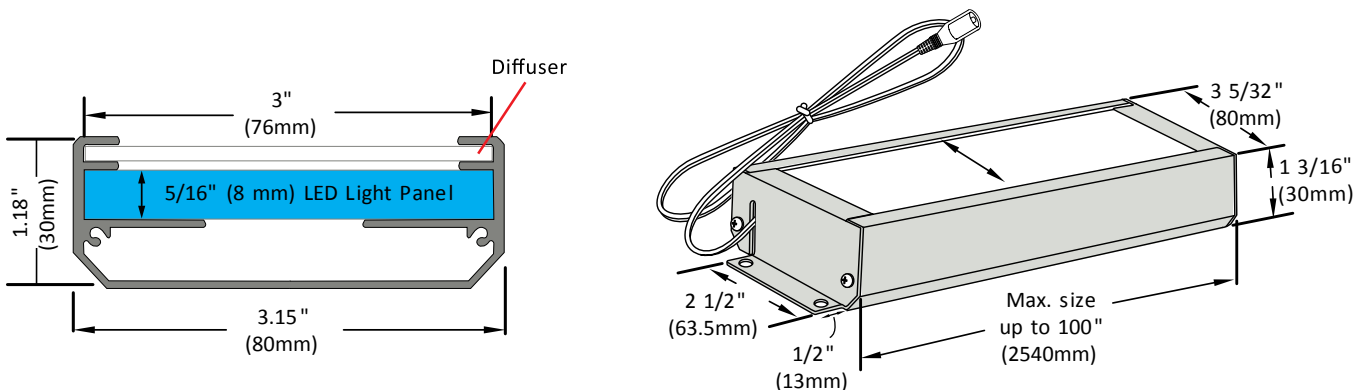
SPECIFICATIONS

ELECTRICAL				
Input Voltage	12 Volt DC - Constant Voltage			
Power Consumption	3.5 Watts/ft (3000K, 3500K, 5300K, 6300K)	4.5 Watts/ft (4100K)	4.5 Watts/ft (Tunable White LEDs)	5.0 Watts/ft (RGB LEDs)
Wire Size	20 AWG 2 wire (Standard LEDs)	20 AWG 3 wire (Tunable White LEDs)		22 AWG 4 wire (RGB LEDs)
Wiring	Each panel must have direct connection to power supply. Do not wire panels in series.			
*Connector	2.1/5.5mm barrel plug [Center pin +] (Standard/HO LEDs)	3-pin molex (Tunable White LEDs)	No connector (RGB LEDs)	Custom connection types available

PHYSICAL							
Color Temperature	Warm White ~3000K	Soft White 3500K	Neutral White ~4100K	Pure/Cool White ~5300K	Ultra White 6300K	Tunable White 3000K - 6500K	Color Adjustable **RGB
Mounting Examples	Wall mounted with screws						
Operating Temperature	-30˚C (-22˚F) ~ +40 °C (+104 °F)						
Environment	Dry location only (Standard)						
Thickness	1 3/16" (30mm)						
Minimum Size	3 5/32"W x 3"L x 1 3/16" D (76mm x 76mm x 30mm)						
Maximum Size	3 5/32"W x 100"L x 1 3/16"D (80mm x 2540mm x 30mm)						
Weight	1.95 lbs/sq. ft. + Extrusion			9.54 kg/sq. M + Extrusion			
Brightness	7,000 - 14,000 Lux						

POWER & CONTROLS						
Please contact Evo-Lite for optimal power & control solutions to fit your requirements						

PART NUMBER	LLC12-12	LLC12-24	LLC12-36	LLC12-48	LLC12-60	LLC12-CS
Wattage	4W	8W	12W	16W	20W	
Fixture Length	12" (305mm)	24" (610mm)	36" (914mm)	48" (1219mm)	60" (1524mm)	Max size up to 100" (2540mm)

* Standard 5', Optional 10'   **See RGB product line for more details

Color Temperature:

Warm White (WW) 3000K
Soft White (SW) 3500K
Neutral White (NW) 4100K
Pure / Cool White (PW) 5300K
Ultra White (UW) 6300K
Tunable White (TW) 3000K - 6500K
Color Adjustable (CA) RGB

PROFILE OF LUMISHEET LED LIGHT CHANNEL

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TERMS & CONDITIONS

Be sure to familiarize yourself with Evo-Lite's **Terms & Conditions**.

By ordering from Evo-Lite, the purchaser agrees to all **Terms & Conditions**.

PATENTS

LumiSheet™ PATENTS

USA: 7473022
CANADA: 2,626,448
JAPAN: 4427528
CHINA: ZL 200610085027.0
TAIWAN: 312899
SINGAPORE: 141901
SOUTH AFRICA: 2008/03676
EUROPEAN UNION:
1,780,584
(Germany, UK, France, Italy,
Spain, The Netherlands,
Belgium, Sweden, Austria,
Poland, Denmark, Greece,
Ireland, Finland, Portugal, Czech
Republic, Hungary, Romania,
Slovakia, Bulgaria, Switzerland,
Luxembourg, Slovenia, Turkey,

**V-CUTTER FOR AN LCD
LIGHT GUIDE PANEL**

USA: 6619175
JAPAN: 3500466
TAIWAN: 155175

**A LIGHT GUIDE PANEL WITH
SALANT LIGHT GUIDING
PARTS**

USA: US 7,018,087 B2

PIN KIT FOR V-CUTTER

KOREA: 10-0552589, 10-
0557738, 10-0557741,
0540055, 0540053, 10-
0772921, 10-0716543,
10-0565890, 10-0753963,
10-0643604,
10-0736656, 10-0748074,
10-0748073, 10-0762741,
USA: 6792842
JAPAN: 3463060
EU: 1335817
CHINA: ZL 01818623.8
TAIWAN: 163820