LumiSheet

Make the impossible possible

C**RU**US   CE   RoHS   UL US LISTED

Make the impossible possible

About Us

GV , Global Leader in LED Lighting

GV (GeumVitp Corp.) is a leading maker of LED lighting products.
We design, manufacture and market retrofit lamps as well as commercial LED luminaires.
Dongbu Lightec operates its global business through overseas subsidiaries, providing energy efficient LED lighting products to more than 250 partners across over 60 countries.

GV (GeumVitp Corp.) continuously strives to provide eco-friendly LED luminaires for a bright future.

KOREA (H.Q.)

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Contents

LumiSheet

More than illumination

Inspiration Motivation

LumiSheet is a revolutionary product that is compactly designed to ensure the right fit for tight spaces. Its slim structure allows design freedom for interiors, retail fitting areas, advertising, architectural spaces, and other applications.

Impossible, the Possible

Unlike competitor LED light panels, LumiSheet has a unique structure into which a light source and heat sink are embedded. This state-of-the-art design allows LumiSheet to take on custom shapes while maintaining premium light quality and a long product life.

Design Flexibility

LumiSheet can be made in standard rectangular shapes, as well as custom sizes & cuts. A broad range of options are available, including static, variable RGB, variable white, and outdoor rating IP65.

Premium Light Quality

Bright, Soft and Consistent Light Illumination

LumiSheet is designed to provide premium quality, bright and softly diffused light. LumiSheet's v-cut grooves, allow light to internally refract and scatter to create a gentle and uniform output.
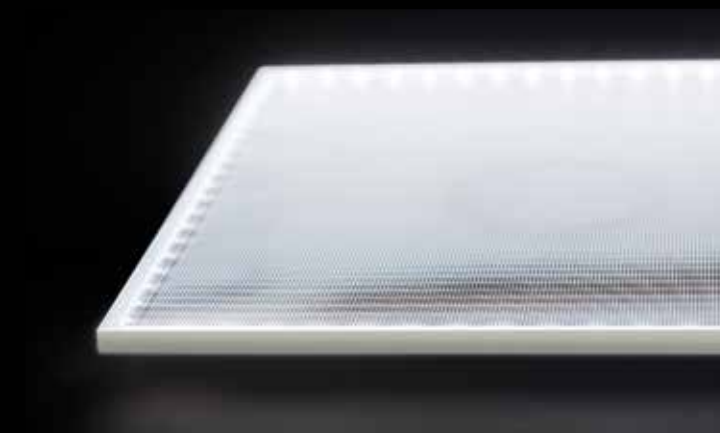
LumiSheet

LumiSheet is the world's first LED integrated edge-lit light panel. It uses embedded LEDs as a source of light, unlike traditional back lit units made by putting a lamp on the outside of acrylic. LumiSheet is produced by combining high intensity LEDs with a patented 3D v-cutting system, allowing light to be transmitted uniformly and evenly across its acrylic surface. It can be applied to a range of applications, including lighting, signage, retail displays, and more. LumiSheet is known for its bright, beautiful light output.
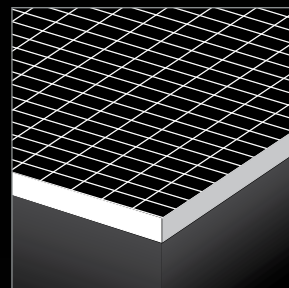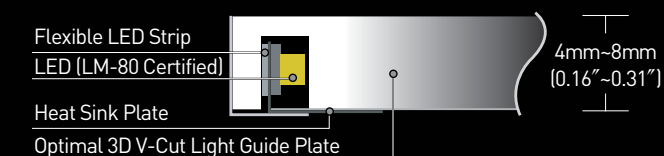
3D v-cutting Technology

GV (GeumVit Corp.)'s 3D v-cutting technology ensures that light is evenly reflected throughout the surface of the acrylic Light Guide Plate (LGP). This is achieved by marking grooves on the LGP at specific intervals according to the location of the light source and the direction or irradiation. The vertical v-grooves are widely spaced when they are close to the light source, but narrowly spaced when they are farther away from the light source. The horizontal v-grooves gradually grow wider and deeper as their distance from the light source increases. Therefore, the brightness of the front surface of the LGP is able to remain uniform.

GV (GeumVit Corp.)'s Light Guide Plate (LGP)

Flexible LED Strip
LED (LM-80 Certified)
Heat Sink Plate
Optimal 3D V-Cut Light Guide Plate
4mm~8mm (0.16"~0.31")

Combination of LM-80 certified LED with worldwide patented heat sink technology maximizes LED lifespan and fixture performance.

LumiSheet is the world's first LED integrated edge-lit light panel that contains embedded LEDs as a source of light. It can be made to any shape.

LumiSheet
More than illumination

Super Slim
LumiSheet is available 4mm or 8mm thick. It doesn't need an electronic ballast and complicated wires.
Therefore, LumiSheet can be easily installed in very tight spaces.

Long Lifetime & Maintenance Free
LumiSheet's lifespan extends beyond 50,000 hours. It is low-maintenance and economical.
Its ease of use and lifespan reduces labor time and down time.

Uniform Brightness & Unlimited Shape
3D v-cut acrylic and high intensity LEDs ensure that LumiSheet is brighter and more uniform than panels lit by a
printed light guide plate. As it contains embedded flexible LED modules, it can be made to any shape.

High Quality & Approved Parts
LumiSheet features LM-80 certified & licensed LEDs, acrylic, stainless plates & bolts, high temperature resistant
silicone rubber, UL & CE approved electric wiring.

Waterproof - IP65 (Option)
LumiSheet has achieved IP65 rating to withstand dust and water penetration.

Various Applications
LumiSheet can be applied to a wide variety of applications, such as shop fitting rooms, store fixtures, architectural
lighting, signage, interior design, and more.

LumiSheet

LumiSheet is designed to emit a bright, even output of light across the entire surface of the panel. Unlike traditional light panels, which have the light source mounted on the exterior of the light guide plate, LumiSheet integrates high brightness LEDs and heat sink into our exclusive 3D v-cutting light guide plate. This makes it possible to produce "Frameless" rectangular or special shaped LED light panels for various application needs.
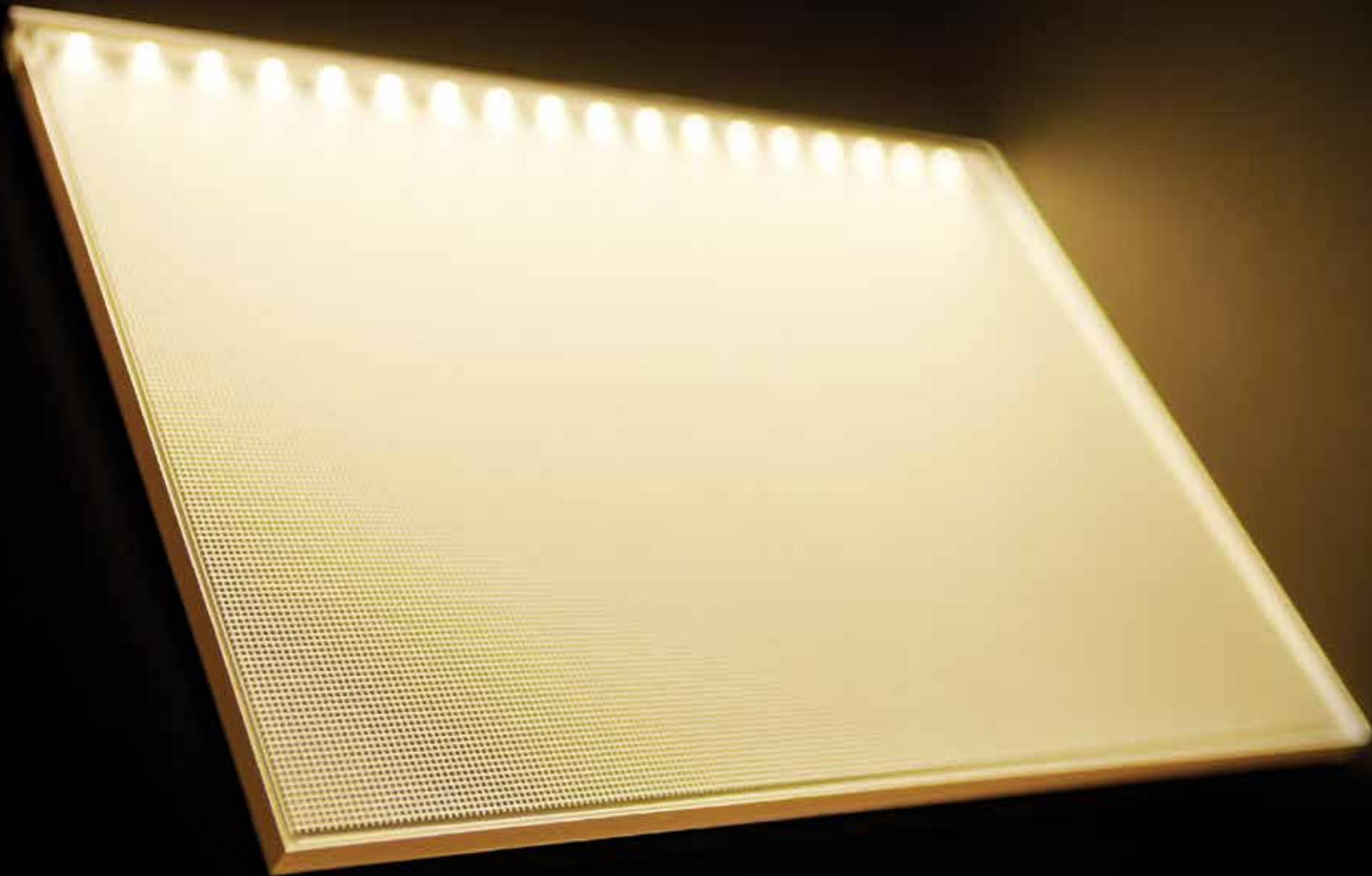
Features & Benefits

- Available in custom sizes and shapes
- Can be used in "Frameless" designs
- 3D v-cutting technology
- Patented heat sink technology to maximize LED lifespan (50,000 hours)
- High brightness
- Low power consumption (70% less than fluorescent)
- Energy saving and maintenance free
- Superior consistent light quality
- IP65 rating available

ITEM	DESCRIPTION	
Environment	Indoor (Standard)	Outdoor (IP65)
Input Voltage	12/24Volt DC	
Maximum size (W×L)	1,500mm×3,000mm (59"×118")	1,200mm×2,400mm (47"×95")
Minimum size (W×L)	100mm×100mm (3.9"×3.9")	120mm×120mm (4.7"×4.7")
Thickness	4mm (0.16"), 6mm (0.24"), 8mm (0.31"), 10mm (0.39")	
Color Temperature	2,700K / 3,000K / 3,500K / 4,100K / 5,300K / 6,500K [CRI 90+] 2,800K / 3,100K / 4,100K / 5,200K	
Certification	c UL us CE	
Operating Temperature	Indoor : -20℃ ~ +40℃ Outdoor : -20℃ ~ +50℃	
Lifetime	More than 50,000 hrs.	
Warranty	2 years	

Color Temperature

2,700K 3,000K 3,500K 4,100K 5,300K 6,500K 7,500K 9,100K

LumiThin

At only 5.2mm thick, LumiThin is slim, customizable and cost effective. It is designed to output perfectly even illumination across the surface of the panel and is available in any custom size and color temperature. The perfect solution for those looking for a super-thin, bright panel with a competitive price.

LumiThin ▶
5.2mm

LumiSheet ▶
8mm

Features & Benefits

• Ultra-Thin
• Available in custom sizes and shapes
• Can be used in "Frameless" designs
• 3D v-cutting technology
• Energy saving and maintenance free

ITEM	DESCRIPTION
Environment	Indoor
Input Voltage	DC 12V
Maximum size (W×L)	1,200mm (48")×2,400mm (96")
Minimum size (W×L)	100mm (4")×100mm (4")
Color Temperature	[CRI80] 3,000K / 4,000K / 5,700K / 6,500K
Certification	c ᴚᴸus CE
Lifetime	More than 50,000 hrs.
Warranty	2 years

Color Temperature

3,000K   4,000K   5,700K   6,500K

LumiSheet RGB

LumiSheet RGB LED Light Panel has the same engineered benefits as standard LumiSheet plus the ability to change the color range to suit your needs.
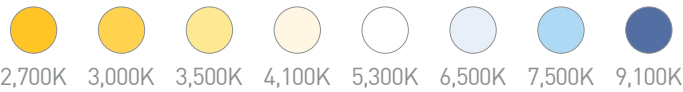
Color Temperature

RGB - Full color

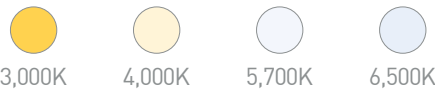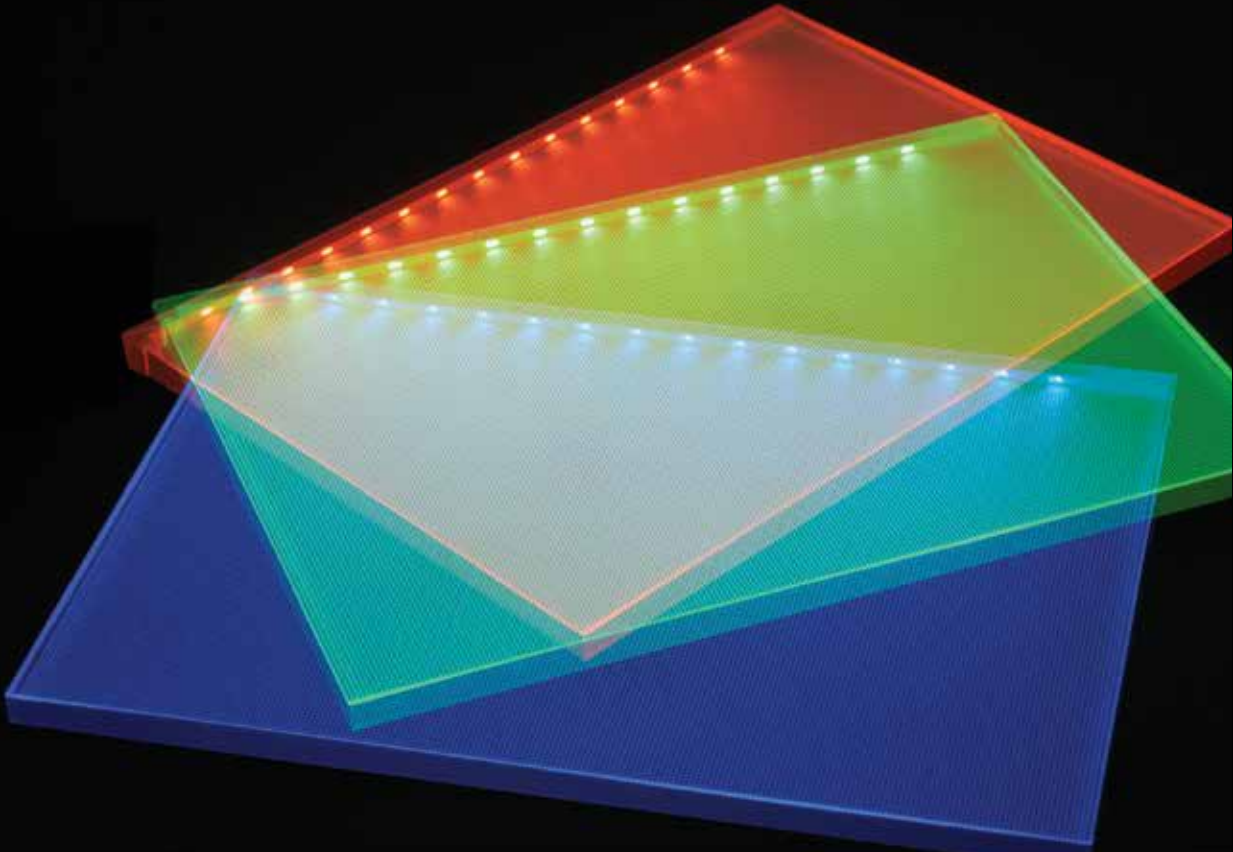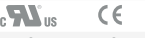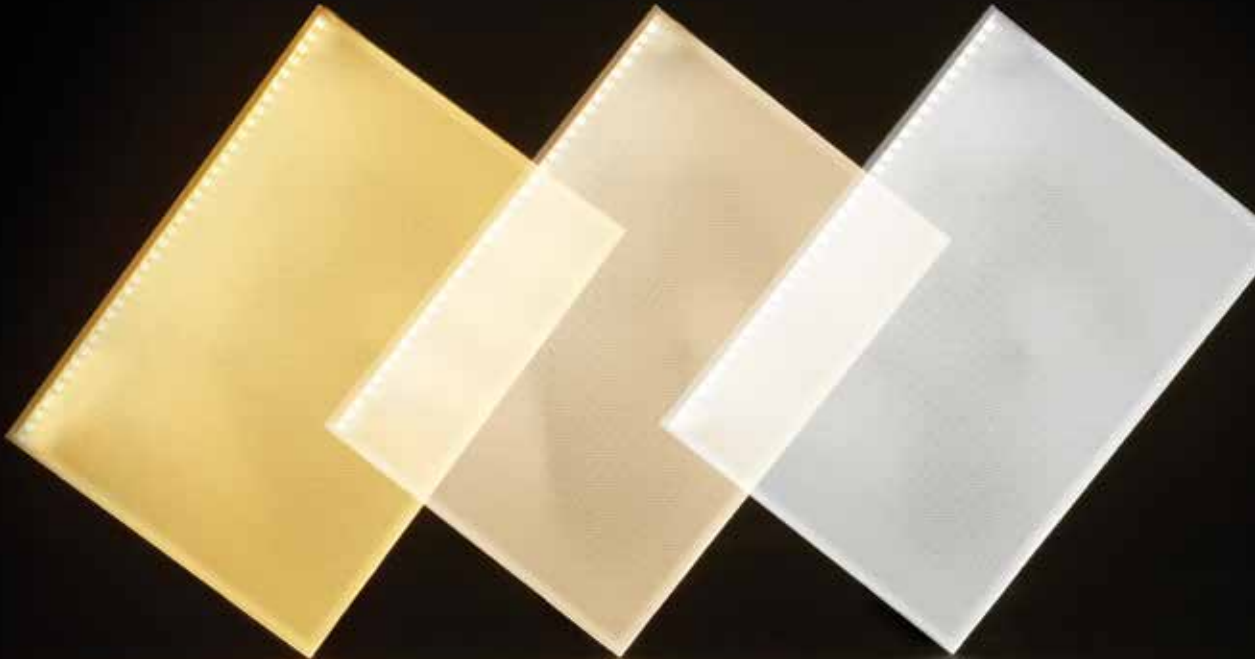## Features & Benefits

- Available in custom sizes and shapes
- Can be used in "Frameless" designs
- 3D v-cutting technology
- Patented heat sink technology to maximize LED lifespan (50,000 hours)
- Low power consumption (70% less than fluorescent lamp)
- Energy saving and maintenance free
- Superior consistent light quality

ITEM	DESCRIPTION
Input Voltage	12Volt DC
Maximum size (W×L)	1,500mm×3,000mm (59"×118")
Minimum size (W×L)	70mm×70mm (2.8"×2.8")
Thickness	8mm (0.31") / 10mm (0.39")
Color Temperature	RGB - Full color
Controller	DMX Control
Certification	c ᴿᵁ us C€
Operating Temperature	-20℃ ~ +40℃
Lifetime	More than 50,000 hrs.
Warranty	2 years

LumiSheet 2in1

LumiSheet 2in1 is a color temperature adjustable panel ranging from 2,800K to 6,700K. This model offers broad CCT coverage within a single light panel.

Color Temperature

2,800K   6,700K

Warm White 2,800K   • • • • • • • •   Pure/Cool White 6,700K

Features & Benefits

- Available in custom sizes and shapes
- Color temperature can be adjusted from 2,800K ~ 6,700K
- Adjust multiple LumiSheets LED light panels with a control device
- Highly accurate, very stable driver

ITEM	DESCRIPTION
Input Voltage	12Volt DC
Maximum size (W×L)	1,500mm×3,000mm (59"×118")
Minimum size (W×L)	70mm×70mm (2.8"×2.8")
Thickness	8mm (0.31") / 10mm (0.39")
Color Temperature	2,800K ~ 6,700K
Controller	PWM Control
Certification	c ᴿᵁ us C€
Operating Temperature	-20℃ ~ +40℃
Lifetime	More than 50,000 hrs.
Warranty	2 years

LumiSheet A-Board

LumiSheet A-Board is an outdoor sign that achieves electrical stability through a double waterproof structure.
It is IP65 rated on both of its frame and the LumiSheet (LGP) itself. Its slim design and rechargeable battery operation makes it portable and cordless.

Features & Benefits

- **10 operating hours** (Lithium battery)
- **Suitable for indoor and outdoor applications with IP65** (Double waterproof mechanism)
- **Durable & light weight aluminum structure**
- **Offers slim design** (only 30mm thick) **and superior light distribution**
- **Available in both single and double sided**

| ITEM	DESCRIPTION			
	A1 size	A2 size	B1 size	B2 size
Power Consumption	19.2W	13.2W	20.4W	16.1W
Input Voltage	12Volt DC			
Graphic size (W×L)	594×841mm (23.3"×33.1")	420×594mm (16.5"×23.3")	728×1,030mm (28.6"×40.5")	515×728mm (20.3"×28.6")
Weight	13.2kg	7.7kg	17.5kg	10.3kg
Color Temperature	6,500K			
Angle Adjustment Unit	Chain structure			
Operating Temperature	-20℃ ~ +50℃			
Lifetime	More than 50,000 hrs.			
IP	Over 65 (LumiSheet IP65)			
Warranty	2 years (1 Yr. for the battery)			

Drawing

Dimensions in mm (inch)

73.5 (2.9) 119.4 (4.7)

35°

30 (1.2) One sided   30 (1.2) Double sided
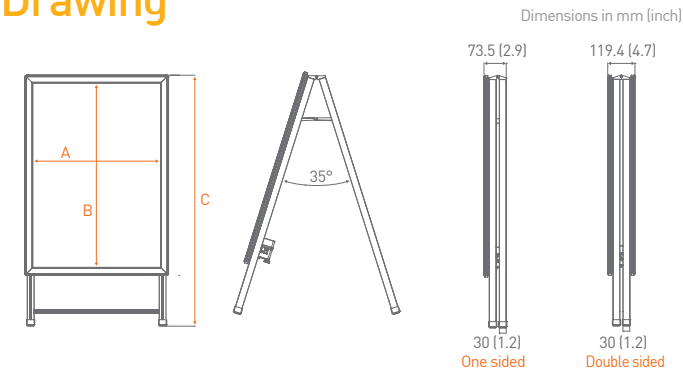
|	A1 size	A2 size	B1 size	B2 size
A : Visual size (W)	560mm (22")	386mm (15.2")	694mm (27.3")	481mm (18.9")
B : Visual size (L)	807mm (31.8")	560mm (22")	996mm (39.2")	694mm (27.3")
C : Outer Height (H)	1,000 / 1,100 / 1,200mm (39.3" / 43.3" / 47.2")	853mm (33.6")	1,289mm (50.7")	987mm (38.9")

Color Temperature

6,500K

LumiSheet Crystal Light Box

LumiSheet Crystal Light Box is a clear acrylic framed light panel. This edge-lit advertising solution is ultra slim, long lasting, and low wattage. LumiSheet Crystal Light Box lights indoor signage beautifully.
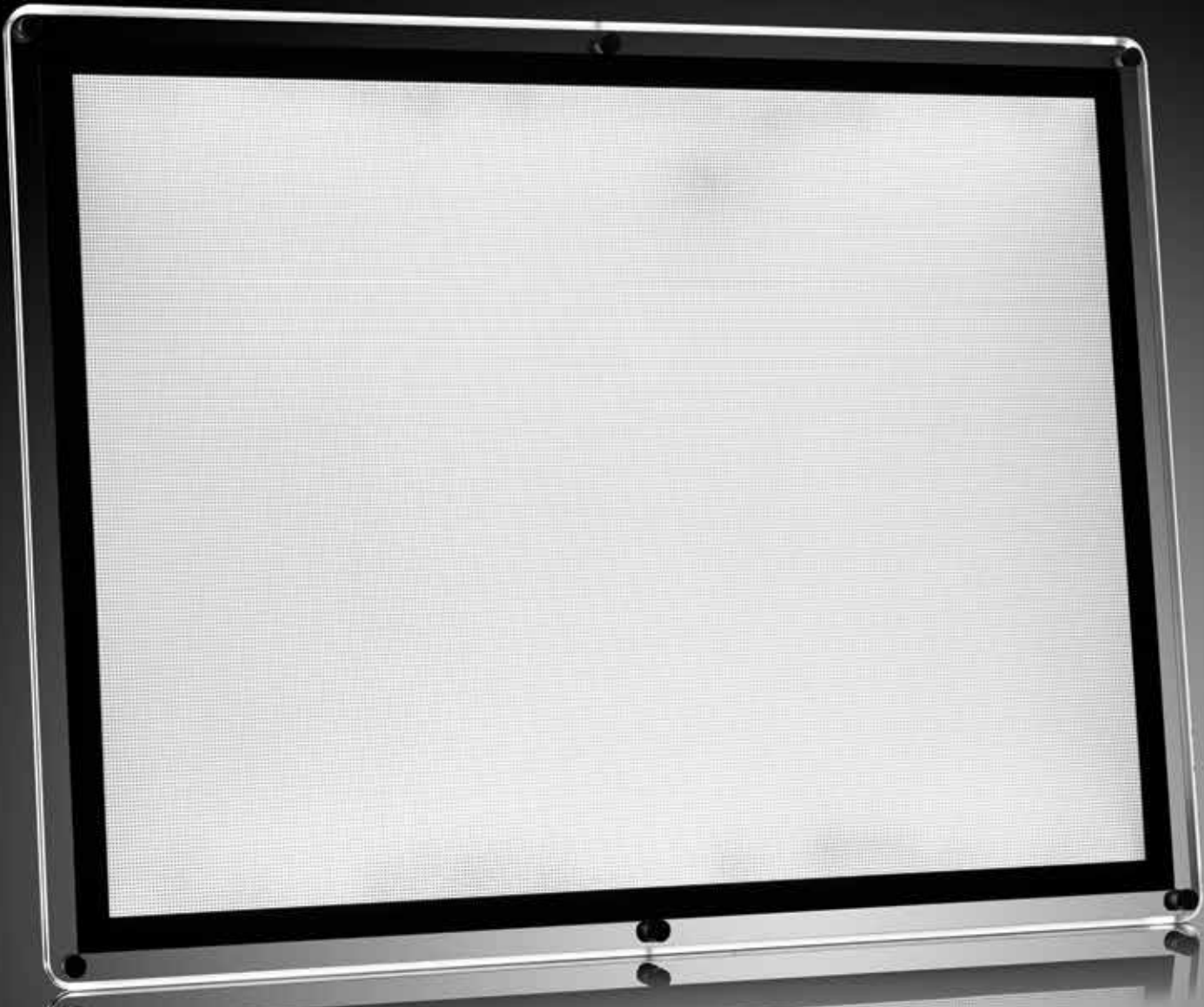
Frame Colors

Silver Black Gold

Features & Benefits

- **3 frame color options** (Silver, Black, Gold)
- **Clear acryl frame adds design refinement**
- **Slim design & superior light distribution**
- **Applications: Indoor use**
  (e.g. Exhibits event showcases, retail)

ITEM	DESCRIPTION			
	A1 size	A2 size	B1 size	B2 size
Power Consumption	19.2W	13.2W	20.4W	16.1W
Input Voltage	DC12V			
Graphic size (W×L)	594×841mm (23.3"×33.1")	420×594mm (16.5"×23.3")	728×1,030mm (28.6"×40.5")	515×728mm (20.3"×28.6")
Weight	6.3kg	3.2kg	11.2kg	5.5kg
Color Temperature	6,500K			
Operating Temperature	0℃ ~ +35℃			
Lifetime	More than 50,000 hrs.			
Warranty	2 years			

Drawing

Dimensions in mm (inch)

The bezel printing area
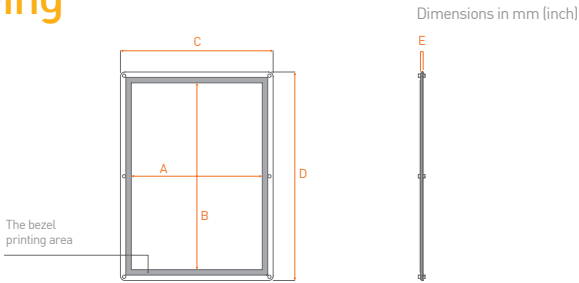
	A1 size	A2 size	B1 size	B2 size
A : Visual size (W)	580mm (22.8")	406mm (16")	714mm (28.1")	501mm (19.7")
B : Visual size (L)	824mm (32.4")	580mm (22.8")	1,016mm (40")	714mm (28.1")
C : Outer size (W)	676mm (26.6")	502mm (19.8")	810mm (31.9")	597mm (23.5")
D : Outer size (L)	923mm (36.3")	676mm (26.6")	1,112mm (43.8")	810mm (31.9")
E : Thickness	10mm (0.4")	10mm (0.4")	11mm (0.4")	10mm (0.4")

Color Temperature

6,500K

LumiSheet Light Box

The consistent, beautiful light of LumiSheet in a durable light box. This snap frame LED light box is thin, long lasting, and efficient. Ideal for small spaces.

Flip Type

Bezel Type

Bezel Colors

Silver

Bezel Colors

White   Black   Silver

Features & Benefits

- Any size up to 1,200mm×2,400mm (47.2"×94.4")
- Super slim and super bright
- Snap frame for quick graphic changes
- Easy to install
- Even and consistent illumination
- Single sided and double sided available
- Energy saving and maintenance free
- Long lifespan (50,000 hours)
- Superior consistent light quality

Flip Type

(Unit : mm)

- Single sided and double sided available

30	39.7	30
25.7	27.2	33.4 8
Single sided	Single sided	Double sided

Bezel Type

(Unit : mm)

- Single sided and double sided available

Clear acrylic 2mm

Clear acrylic 2mm 30	Clear acrylic 2mm 32	Clear acrylic 2mm 25.4
9	M.D.F 15.8	Clear acrylic 2mm
27.7	28.8	32
Single sided	Single sided	Double sided

24

25
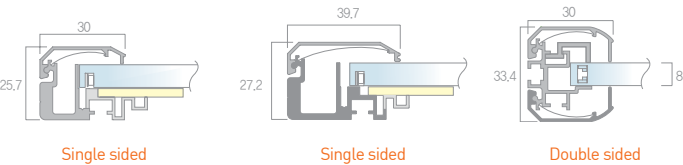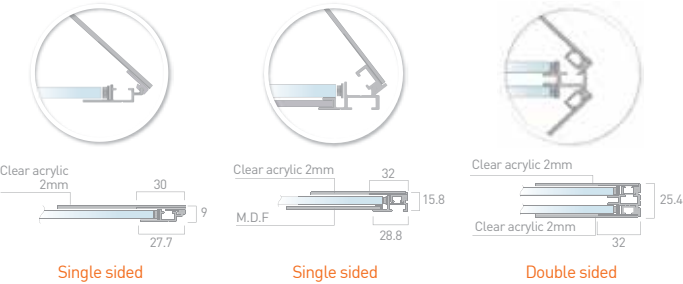
LumiStrip

LumiStrip is widely used for store fixtures, architectural projects, signage, trade shows, theatre, aircraft cabins, hallways, stairways, accent lighting, concealed lighting, cove lighting, cabinet, under counter lighting, exhibition stands etc.

Features & Benefits

- **5m** (16ft) **in a roll**
- **Easy installation**
- **Separable every 3 LEDs**
- **Long lifespan** (50,000 hours)
- **CE & RoHS compliant**
- **Superior consistent light quality**
- **LM-80 certified LED**

ITEM	DESCRIPTION
Input Voltage	12Volt DC
Standard Length	5m (16ft)
Minimum Length	50mm (2")
LED Pitch	16mm (0.63")
LED Q'ty/Strip	300LEDs per 5m (16ft)
Color Temperature	3,000K / 3,500K / 4,100K / 5,300K / 6,500K
Certification	RoHS CE
Operating Temperature	+5℃ ~ +35℃
Lifetime	More than 50,000 hrs.
Warranty	2 years

Color Temperature

3,000K	3,500K	4,100K	5,300K	6,500K

LumiSheet
M-Stick

LumiSheet M Stick is a bar-type LED luminaire designed for use as direct or indirect lighting. Suits a broad range of applications, from decorative illumination in showcases and shelves to indirect luminaires at home or office. LumiSheet M Stick can also replace conventional T-5 florescent lamp in various lengths. Its magnetic mounting bracket allows easy installation, while the angled clips allows easy adjustment for light directions.

End Cap
(Included)

Standard Clip(0°)
(Included)

Angled Clip(15°&40°)
(Optional)

Extension Clip
(Optional)

Magnet Mount
(Optional)

Distributor
(6way DC power)
(Optional)

Bar to Bar
Connector
(Optional)

Distributor
Connection Cable
(Optional)

Power
Connection Cable
(Optional)

Features & Benefits

- Ultra slim design
- Easy plug and play connector
- Available in 6 lengths
- Linkable up to 10'' (3m) continuous run
- 3 types of covers (Normal, Round, Square) to suit different applications
- Two mounting methods available (Angled clips & magnetic)
- 6-way distributor allows one power to supply all
- Available in both DC12V & DC24V
- Dark spot free at the linking point
- High performance (CRI 80 & 90lm/W)
- Available in various CCTs
- Low power consumption, 4.5W per foot (13W/m)
- UL & CE certified

Dimension

| NAME	LENGTH	WIDTH	HEIGHT		
			NORMAL	ROUND	SQUARE
LMS-01-D12-N-D-W	87mm (3.4'')				
LMS-02-D12-N-D-W	174mm (6.9'')				
LMS-04-D12-N-D-W	261mm (10.3'')				
LMS-07-D12-N-D-W	522mm (20.6'')				
LMS-12-D12-N-D-W	870mm (34.3'')				
LMS-15-D12-N-D-W	1,131mm (44.5'')	11.5mm (0.5'')	8.6mm (0.3'')	21.1mm (0.8'')	21.1mm (0.8'')
LMS-01-D24-N-D-W	87mm (3.4'')				
LMS-02-D24-N-D-W	174mm (6.9'')				
LMS-04-D24-N-D-W	261mm (10.3'')				
LMS-07-D24-N-D-W	522mm (20.6'')				
LMS-12-D24-N-D-W	870mm (34.3'')				
LMS-16-D24-N-D-W	1,131mm (44.5'')				

Specification

INPUT VOLTAGE (V)	NAME	POWER CONSUMPTION (W)	LUMINOUS FLUX (lm)	EFFICIENCY (lm/W)	CRI (Ra)	COLOR TEMP. (K)	CONVERTER INPUT VOLTAGE
DC12V	LMS-01-D12-N-D-W	1	110				
	LMS-02-D12-N-D-W	2	220				
	LMS-04-D12-N-D-W	4	360				
	LMS-07-D12-N-D-W	7	660			2,700	100 ~
	LMS-12-D12-N-D-W	12	1,090	Over 90	80	3,000	240V
	LMS-15-D12-N-D-W	15	1,390			3,500	
DC24V	LMS-01-D24-N-D-W	1	110			4,000	50/
	LMS-02-D24-N-D-W	2	220			5,000	60Hz
	LMS-04-D24-N-D-W	4	360				
	LMS-07-D24-N-D-W	7	660				
	LMS-12-D24-N-D-W	12	1,110				
	LMS-16-D24-N-D-W	16	1,450				

Color Temperature

2,700K   3,000K   3,500K   4,000K   5,000K

LumiSheet Curtain

LumiSheet Curtain is a grid type LED back light solution that is ideal for cabinet signage. It quickly and easily transforms traditional fluorescent cabinet signs into long life LED lighting solutions. LumiSheet Curtain can improve uniformity of traditional cabinet signs by more than 90%. Optimize LumiSheet Curtain to fit to different types of applications by cutting module length and adjusting module space.
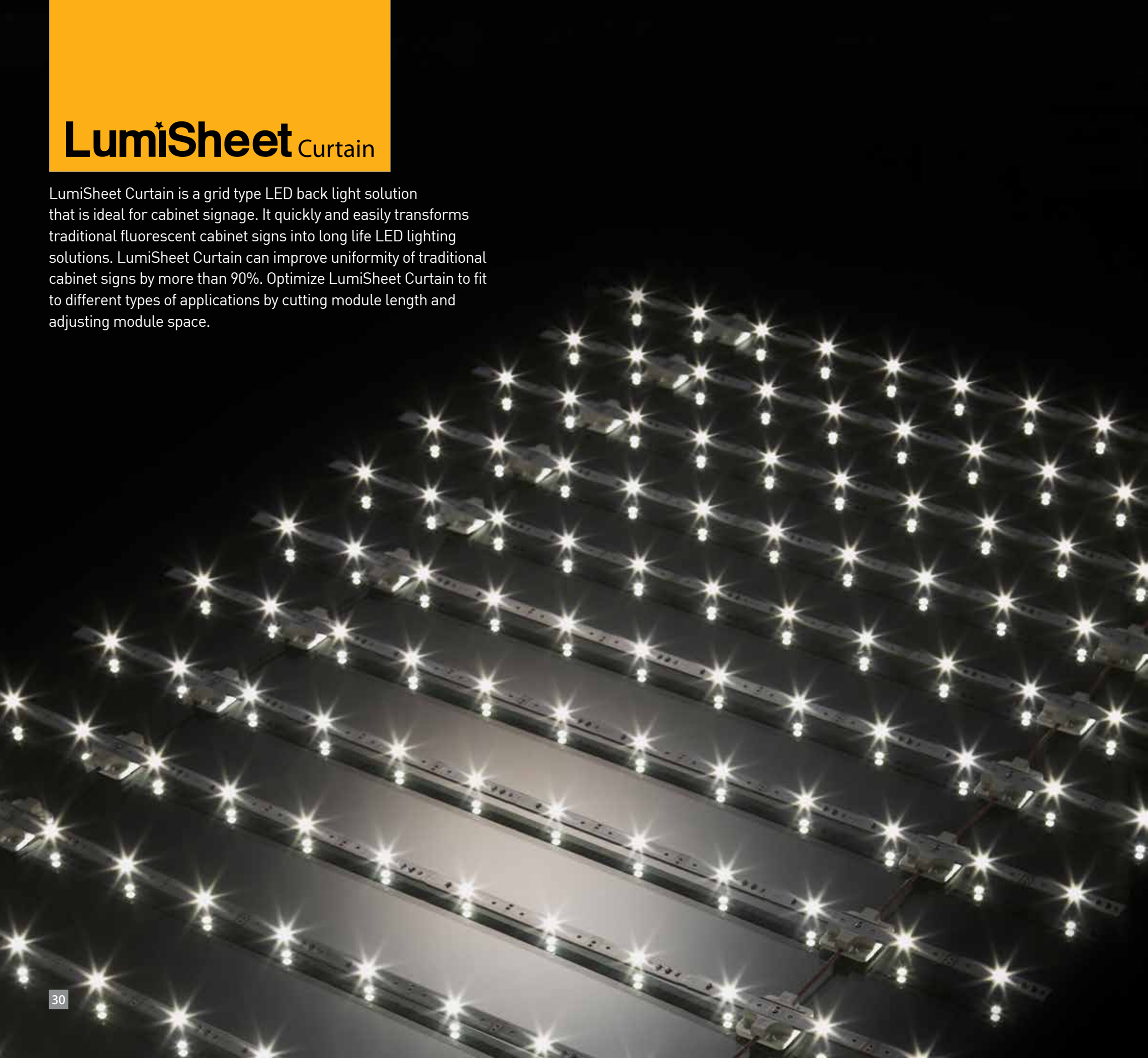
Features & Benefits

- **Up to 64% energy savings** (Compared to T8 fluorescent tubes)
- **High luminous efficiency of 110 lm/W**
- **Available in DC12V & DC24V**
- **Single & double sided modules available**
- **Excellent uniform light source** (more than 90%)
  - Adjust LED module length by cutting modules
  - WAGO connectors (optional) available for multi-set
- **Installation for wider signage applications**
- **Equipped with reverse voltage protection circuit to ensure product safety**

| ITEM	DESCRIPTION			
	SINGLE SIDED TYPE		DOUBLE SIDED TYPE	
Input Voltage	DC12V, DC24V			
Input Current	130mA / 65mA	65mA / 32.5mA	260mA / 130mA	130mA / 65mA
Dimension (Module)	580mm_ 12Pkg. (22.8")	290mm_ 6Pkg. (11.4")	580mm_ 24Pkg. (22.8")	290mm_ 12Pkg. (11.4")
Power Consumption (1bar)	Under 1.6W	Under 0.8W	Under 3.2W	Under 1.6W
Power Consumption (maximum connections)	100W/200W			
Luminous Flux	176lm	88lm	352lm	176lm
Luminous Efficacy	Over 110lm/W			
CRI	Over 80			
Color Temperature	5,300K / 6,500K			
Operating Temperature	-20℃ ~ +50℃ (Indoor)			
Storage Temperature	-30℃ ~ +70℃			

※ Cuttable Module

Color Temperature

○ 5,300K   ○ 6,500K
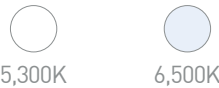
LumiSheet Ad Tube (CE, G13 base)

LumiSheet Ad Tube is an LED tube that retrofits fluorescent tubes for various applications quickly and easily. LumiSheet Ad Tube is an ideal LED lighting solution for both double and single sided cabinet signs. When equipped with an optimized lens, uniformity of light distribution of Ad Tube is more than 85% and energy savings reach up to 60%.
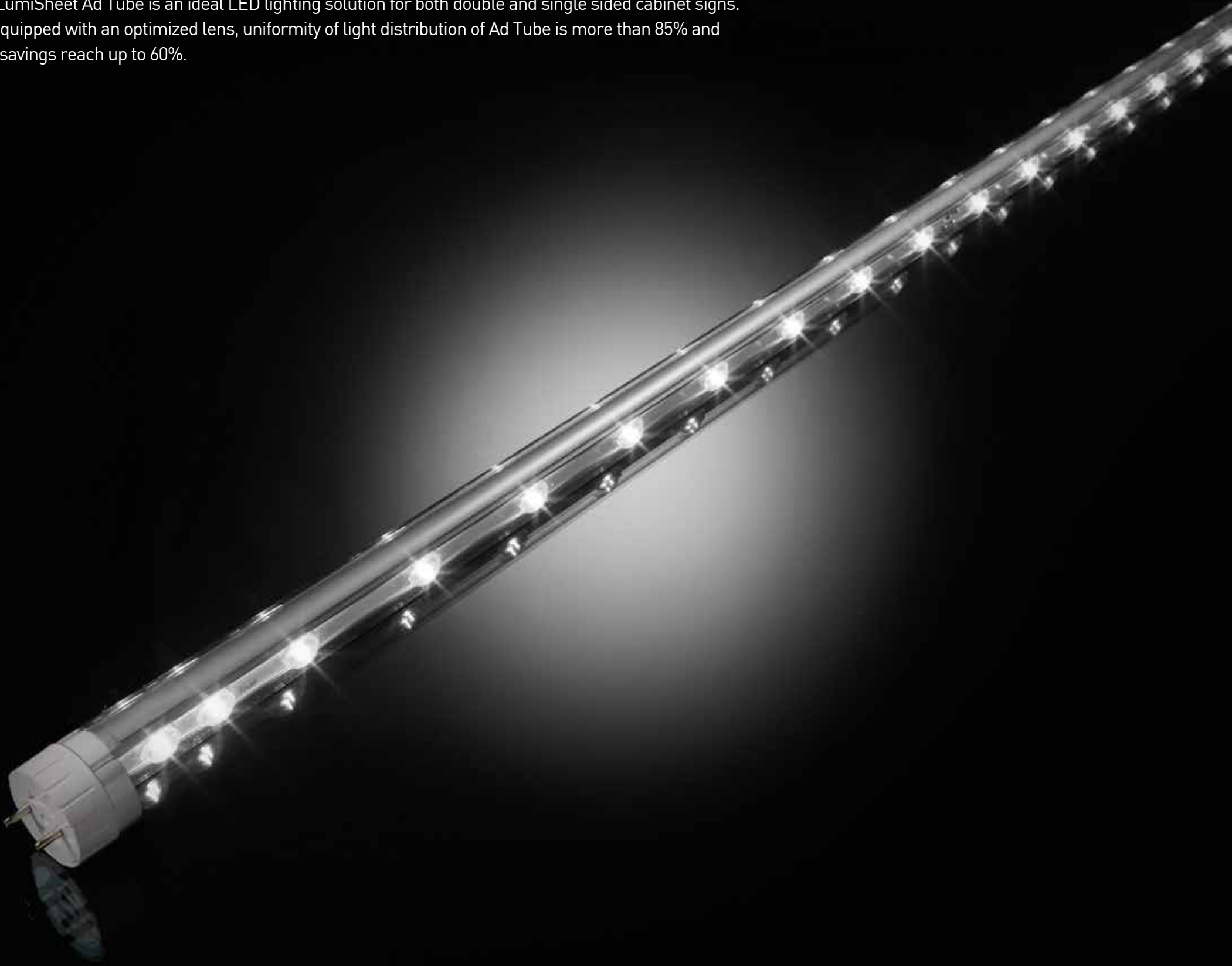
Features & Benefits

- **Energy savings up to 60%**
  (Conventional 58W fluorescent tubes replaced with 24W L-Tube)
- **2 length options available : 1,200mm & 1,500mm**
- **Wide range of operating voltages** (AC100V ~ 240V)
- **Minimizes hotspots, compared to conventional fluorescent tubes**
  (85% uniformity compared to 65% fluorescent tubes)
  - Wide beam angle of 165 deg. covering 330 deg
  - Equipped with rotation socket to adjust beam direction
- **Waterproof & dustproof rating of IP33**
  (If equipped with exclusive waterproof socket)
- **180° rotatable base**
- **IK07 rating**

ITEM	DESCRIPTION		NOTE
Input Voltage	AC100V ~ 240V, 50/60Hz		
Power Consumption (W)	Under 24W	Under 22W	
Dimension	Ø28×1,500mm	Ø28×1,200mm	
Weight	570g	490g	- Brightness on billboard surface is over 200cd/m²
Luminous Flux	Over 2,700 lm	Over 2,400 lm	
Luminous Efficacy	Typ. 120 lm/W		
Beam Angle	330° (165°×2)		- Based on clear cover (@6,500K)
CRI	Over 80		
Color Temperature	Typ. 6,500K		
Power Factor	Over 0.9		
Cover	Clear (Basic), Frosted (Option)		
Operating Temperature	ON : -20℃ ~ 50℃ / OFF : -25℃ ~ 70℃		
Base	G13 Base (180° rotatable)		Left 90° Right 90°
Certification	CE		
IP	IP33 (With Waterproof socket)		UL is pending
Impact Protection Rating	IK07		
Ballast	Magnetic ballast (Vossloh-Schwabe Ref. No.508186) compatible or AC direct		

Color Temperature

6,500K

LumiSheet Ad Tube (cRUus, R17d base)

LumiSheet Ad Tube is an LED tube that retrofits fluorescent tubes for various applications quickly and easily. LumiSheet Ad Tube is an ideal LED lighting solution for both double and single sided cabinet signs. When equipped with an optimized lens, uniformity of light distribution of Ad Tube is more than 85% and energy savings reach up to 60%.

Features & Benefits

- **Energy savings up to 60%**
  (Conventional 58W fluorescent tubes replaced with 31W L-Tube)
- **4 lengths option available with 1,200mm (3.9ft),
  1,500mm (4.9ft), 1,800mm (6.2ft) and 2,400mm (7.9ft)**
- **Wide range of operating voltages** (AC120V ~ 277V)
- **Minimizes hotspots, compared to conventional
  fluorescent tubes**
  (85% uniformity compared to 65% fluorescent tubes)
  - Wide beam angle of 165 deg. covering 330 deg
  - Equipped with rotation socket to adjust beam direction
- **Waterproof & dustproof rating of IP33**
  (If equipped with exclusive waterproof socket)
- **IK07 rating**

ITEM	DESCRIPTION			
Input Voltage	AC120V ~ 277V, 50/60Hz			
Power Consumption (W)	53.8	42.3	30.8	23.1
Dimension	Ø28× 2,400mm	Ø28× 1,800mm	Ø28× 1,500mm	Ø28× 1,200mm
Weight	915g	715g	540g	440g
Luminous Flux	Typ. 5,800 lm	Typ. 4,300 lm	Typ. 3,200 lm	Typ. 2,500 lm
Luminous Efficacy	Typ. 108 lm/W	Typ. 102 lm/W	Typ. 104 lm/W	Typ. 108 lm/W
Beam Angle	330° (165°× 2)			
CRI	Over 80			
Color Temperature	5,000K / 6,500K			
Power Factor	Over 0.9			
Cover	Clear			
Operating Temperature	ON : -20℃ ~ 35℃ / OFF : -25℃ ~ 70℃			
Base	R17d			
Certification	cᏰᴸus			
IP	IP33 (With Waterproof socket)			
Impact Protection Rating	IK07			

Color Temperature

○ 5,000K   ○ 6,500K

LumiSheet Ad Tube (CE, DC type)

LumiSheet Ad Tube is an LED tube that retrofits fluorescent tubes for various applications quickly and easily. LumiSheet Ad Tube is an ideal LED lighting solution for both double and single sided cabinet signs. When equipped with an optimized lens, uniformity of light distribution of Ad Tube is more than 85% and energy savings reach up to 60%.

Features & Benefits

- **Energy savings up to 60%**
  (Conventional 58W fluorescent tubes replaced with 20W L-Tube)
- **Works with DC 24V**
- **Dimmable**
- **Minimizes hotspots, compared to conventional fluorescent tubes**
  (85% uniformity compared to 65% fluorescent tubes)
  - Wide beam angle of 165 deg. covering 330 deg
  - Equipped with rotation socket to adjust beam direction
- **Waterproof & dustproof rating of IP33**
  (If equipped with exclusive waterproof socket)
- **180° rotatable base**
- **IK07 rating**

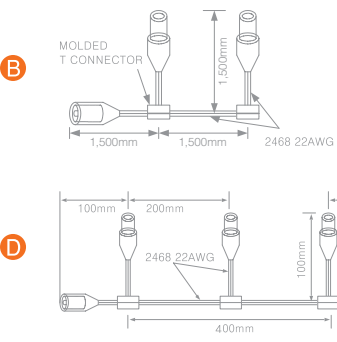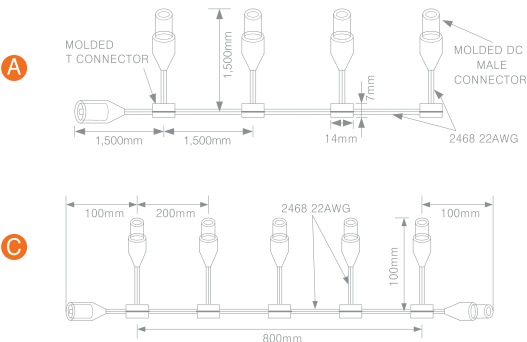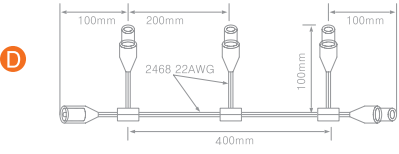| ITEM	DESCRIPTION
Input Voltage	24Volt DC
Power Consumption (W)	19.2W@DC 24V, If=0.8A
Dimension	Ø28×1,500mm
Weight	465g
Luminous Flux	Typ. 2,600 lm
Luminous Efficacy	Typ. 130 lm/W@DC
Beam Angle	330° (165°×2)
CRI	Typ. 80
Color Temperature	6,500K
Cover	Clear
Operating Temperature	ON : -20℃ ~ 35℃ / OFF : -25℃ ~ 70℃
Base	G13 Base (180° Rotatable)
Certification	CE
IP	IP33 (With Waterproof socket)
Impact Protection Rating	IK07

Color Temperature

6,500K

Accessories

Ⓐ
MOLDED T CONNECTOR
MOLDED DC MALE CONNECTOR
1,500mm
7mm
1,500mm   1,500mm   14mm   2468 22AWG

Ⓑ
MOLDED T CONNECTOR
1,500mm
Ⓑ Ⓓ
OUTSIDE Ø：5.5mm
INNER Ø：2.1mm
1,500mm   1,500mm   2468 22AWG

Ⓒ
100mm   200mm   2468 22AWG   100mm
100mm
800mm

Ⓓ
100mm   200mm   100mm
2468 22AWG
100mm
400mm
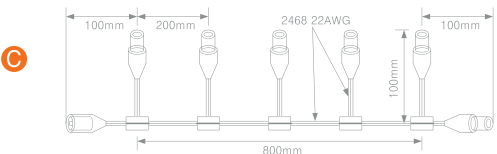
PLUG-IN POWER ADAPTORS			
Power Adaptors	12V DC, 1A, 12W	12V DC, 3A, 36W	12V DC, 5A, 60W
Spider Cables	2-way spider cable	4-way spider cable	6-way spider cable

12V 1A	12V 3.33A	12V 3A (CLASS2)	12V 5A	12V 5A (CLASS2)	High-output adaptor

※ The large-capacity adapters are available on request

LED Dimmer

Product Specification

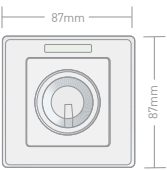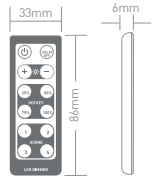- **Input Voltage**   12 ~ 48VDC
- **Output Signal**   CV PWM
- **Max Load Current**   6A
- **Max Output Power**   72W/144W/216W/288W
                                        (12V/24V/36V/48V)
- **Dimming Range**   0 ~ 100%
- **Grey Scale Level**   40% levels
- **Working Temperature**   -30℃ ~ +55℃
- **Switch Dimensions (L×W)** 87×87mm (3.4"×3.4")
- **Remote Dimensions (L×W)** 86×33mm (3.4"×1.3")
- **Packaging Dimensions (L×W×H)** 96×91×61mm (3.8"×3.6"×2.4")
- **Weight (G, W)**   175g

Dimension
87mm
87mm
Dimmer
33mm   6mm
86mm
IR Remote

T3-CV Receiving Controller
for LumiSheet 2in1

- **Input Voltage**   DC5V ~ DC24V
- **Max Current Load**   6A×3CH Max 18A
- **Max Output Power**   90W/216W/432W (5V/12V/24V)
- **Working Temperature**   -30℃ ~ +55℃
- **Dimension (L×W×H)**   175×44×30mm (6.9"×1.7"×1.2")
- **Package size**   178×48×33mm (7"×1.9"×1.3")
- **Weight (G.W.)**   150g

T2M Remote Control
for LumiSheet 2in1

- **Input Voltage**   DC5V (Built-in Lithium battery)
- **Working Current**   ≤30mA
- **Working Frequency**   2.4GHz
- **Transmitting Distance**   30m (1,181")
- **Remote Option**   Sync/Zone control
- **Battery Capacity**   1,000mAh
- **Standby Time**   ≤6 months
- **Dimension (L×W×H)**   145×55×22mm (5.7"×2.2"×0.9")
- **Package size (L×W×H)**   168×102×28mm (6.6"×4"×1.1")
- **Weight (G.W)**   200g

KC-24/5A-KEY Controller
for LumiSheet RGB

- When power is properly connected, the RED LED will be ON
- When the DMX-KEY is working, the blue LED will flash
- The DMX-KEY as MASTER, signal in terminal is output
- When many KEY-DMX units are working together, only one can be master. Others must be slaves

- **Address Rules**   Red=001+3(N-1), Green=002+3(N-1)
                                      Blue=003+3(N-1), N=1--170
- **Input Voltage**   DC 12 ~ 24V, 5A
- **Channel Total**   3 Channels
- **Dimension (L×W×H)**   205×44×25mm (8"×1.7"×1")

Pro-set program
Speed
Pro-set program details as following (70-99)
0 is very slow. 9 the fastest
8 9 8

70=OFF	80=Yellow	90=White fade
71=Seven color jumping	81=Purple	91=Seven color fade recycle
72=Seven color fade	82=Cyan	92=Red flash
73=Seven color tall chase	83=White	93=Green flash
74=Seven color tall chase	84=Red fade	94=Blue flash
75=Seven color water flowing	85=Green fade	95=Yellow flash
76=71-72-73-74-75	86=Blue fade	96=Purple flash
77=Red	87=Yellow fade	97=Cyan flash
78=Green	88=Purple fade	98=White flash
79=Blue	89=Cyan fade	99=Seven color flash

Application Examples

Store Fixture/Shop Display

LumiSheet is a well-established, highly regarded lighting product in the retail / store fixtures industry. It garnered immediate attention for display applications when launched in 2005. LumiSheet is patented to provide superior, even lighting to retail merchandise.

Signage

LumiSheet is an ideal solution for signage applications, which need uniform brightness, slim profiles, and low power consumption. It can be custom manufactured to fit any kind of advertising displays, street furniture, snap frames, menu boards, and more.

Application Examples

Architectural Lighting

LumiSheet is a light weight, customizable solution for multiple lighting applications, ranging from it indoor ceilings, walls, and floors to various unique designs.

Back Lighting & Others

LumiSheet has been widely used as a back-light unit for many different applications such as Kiosk/ATM machines, MRI rooms in hospitals, road/traffic signs, and more.

Project supported by K-project

Project supported by Evo-Lite