



Table of Contents

LED Light Panel		Panel Configuration Options	5
Standard	2	Gallery Samples	6
Dynamic White	3		
RGB	4		

Standard Light Panel

0.31" (8mm) Thickness

Output

LED Light	Samsung High CRI
Light Engine Type	Samsung LED Light Engine
Power Consumption	4.0 Watts per ft (12 Watts per meter)
LED Configuration	One (1), two (2), three (3) or four (4) edges
LED Intervals	0.65in (16.66mm)

Electrical

Input Voltage	DC 12 Volt or DC 24 Volt
Power Cord Size	20 AWG, 2 Conductors
Power Cord Length	Standard 5ft (150cm) Optional 10ft (300cm)
Power Supply	UL Class 2 or LPS DC 12 Volt: Max 4.86 Amp / 58.5 Watt DC 24 Volt: Max 3.77 Amp / 90.9 Watt or CE approved
Barrel Connector	2.1mm Male connector on power supply 5.5mm Female connector on LED Light Panel or Open Cable

Features

Color Temperature	2400K-9000K
Heat Sinking	By aluminum channel
Safety Design	Plastic corner pieces for protection
Dimming	By external dimmer (Optional)
Light Guide Panel	0.24in (6mm) Acrylic with V cut

Physical

Thickness	0.39in (10mm) Single-sided
Operating Temperature	-22°F (-30°C) ~ 104°F (+40°C)
Environment	Suitable for indoor and dry locations
Minimum Size	2in x 2in (5cm x 5cm)
Maximum Size	60in x 118in (150cm x 300cm)
Weight	1.65lbs / sq ft (7.64Kg / sq meter)
Mounting	By double sided tape, standoffs, z clips, or others

Dependability

Lumen Maintenance	(L70) 50,000hrs
Warranty	2 Years

Safety

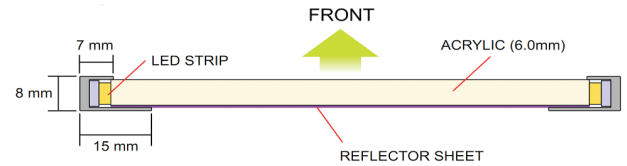
Certification	UL Listed (E344011) CE approved
---------------	------------------------------------

Brightness

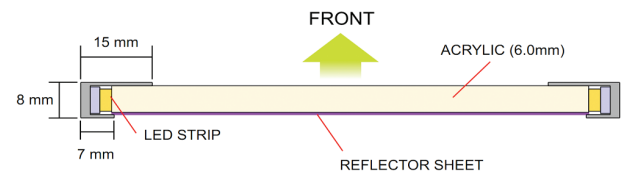
Dimension (in)	Dimension (mm)	LED	Surface Brightness (Lux)	Power Consumption (W)
6x12	152x304	1 long side	7,000	3.0
12 x 12	304 x 304	1 long side	3,500	3.0
18 x 24	457 x 609	2 long sides	5,000	13.2
24 x 36	609 x 914	2 long sides	3,600	20.4
36 x 72	914 x 1828	2 long sides	2,500	43.3
48 x 96	1219 x 2438	2 long sides	2,000	56.4
60 x118	1500 x 3000	4 sides	2,000	98.0

Construction Options

Open Face - LED Hot Spot Visible



Closed Face - LED Hot Spot Covered



Dynamic White Light Panel

0.31" (8mm) Thickness

Output

LED Light	Samsung High CRI
Light Engine Type	Samsung LED Light Engine
Power Consumption	4.0 Watts per ft (12 Watts per meter)
LED Configuration	One (1), two (2), three (3) or four (4) edges
LED Intervals	0.65in (16.66mm)

Electrical

Input Voltage	DC 12 Volt or DC 24 Volt
Power Cord Size	20 AWG, 2 Conductors
Power Cord Length	Standard 5ft (150cm) Optional 10ft (300cm)
Power Supply	UL Class 2 or LPS DC 12 Volt: Max 4.86 Amp / 58.5 Watt DC 24 Volt: Max 3.77 Amp / 90.9 Watt or CE approved
Barrel Connector	2.1mm Male connector on power supply 5.5mm Female connector on LED Light Panel or Open Cable

Features

Color Temperature	Dynamic White (2700K~6500K)
Heat Sinking	By aluminum channel
Safety Design	Plastic corner pieces for protection
Dimming	By wireless remote controller, or others (Optional)
Light Guide Panel	0.24in (6mm) Acrylic with V cut

Physical

Thickness	0.39in (10mm) Single-sided
Operating Temperature	-22°F (-30°C) ~ 104°F (+40°C)
Environment	Suitable for indoor and dry locations
Minimum Size	2in x 2in (5cm x 5cm)
Maximum Size	60in x 118in (150cm x 300cm)
Weight	1.65lbs / sq ft (7.64Kg / sq meter)
Mounting	By double sided tape, standoffs, z clips, or others

Dependability

Lumen Maintenance	(L70) 50,000hrs
Warranty	2 Years

Safety

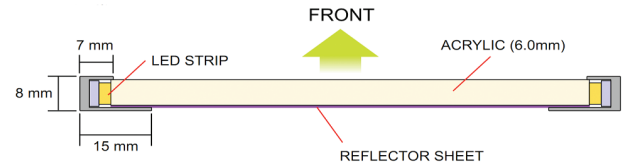
Certification	UL Listed (E344011) CE approved
---------------	------------------------------------

Brightness

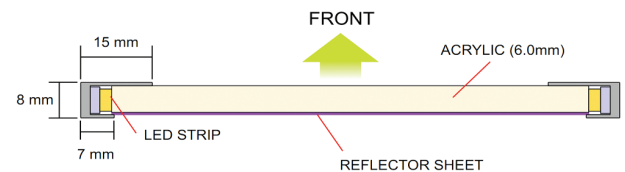
Dimension (in)	Dimension (mm)	LED	Surface Brightness (Lux)	Power Consumption (W)
6x12	152x304	1 long side	7,000	3.0
12 x 12	304 x 304	1 long side	3,500	3.0
18 x 24	457 x 609	2 long sides	5,000	13.2
24 x 36	609 x 914	2 long sides	3,600	20.4
36 x 72	914 x 1828	2 long sides	2,500	43.3
48 x 96	1219 x 2438	2 long sides	2,000	56.4
60 x118	1500 x 3000	4 sides	2,000	98.0

Construction Options

Open Face - LED Hot Spot Visible



Closed Face - LED Hot Spot Covered



RGB Light Panel

0.31" (8mm) Thickness

Output

LED Light	Samsung High CRI
Light Engine Type	Samsung LED Light Engine
Power Consumption	4.0 Watts per ft (12 Watts per meter)
LED Configuration	One (1), two (2), three (3) or four (4) edges
LED Intervals	0.65in (16.66mm)

Electrical

Input Voltage	DC 12 Volt or DC 24 Volt
Power Cord Size	20 AWG, 2 Conductors
Power Cord Length	Standard 5ft (150cm) Optional 10ft (300cm)
Power Supply	UL Class 2 or LPS DC 12 Volt: Max 4.86 Amp / 58.5 Watt DC 24 Volt: Max 3.77 Amp / 90.9 Watt or CE approved
Barrel Connector	2.1mm Male connector on power supply 5.5mm Female connector on LED Light Panel or Open Cable

Features

Color Temperature	RGB, Mono or Bi-color
Heat Sinking	By aluminum channel
Safety Design	Plastic corner pieces for protection
Dimming	By external dimmer (Optional)
Light Guide Panel	0.24in (6mm) Acrylic with V cut

Physical

Thickness	0.39in (10mm) Single-sided
Operating Temperature	-22°F (-30°C) ~ 104°F (+40°C)
Environment	Suitable for indoor and dry locations
Minimum Size	2in x 2in (5cm x 5cm)
Maximum Size	60in x 118in (150cm x 300cm)
Weight	1.65lbs / sq ft (7.64Kg / sq meter)
Mounting	By double sided tape, standoffs, z clips, or others

Dependability

Lumen Maintenance	(L70) 50,000hrs
Warranty	2 Years

Safety

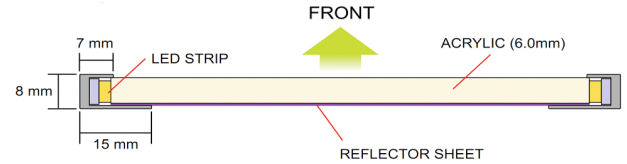
Certification	UL Listed (E344011) CE approved
---------------	------------------------------------

Brightness

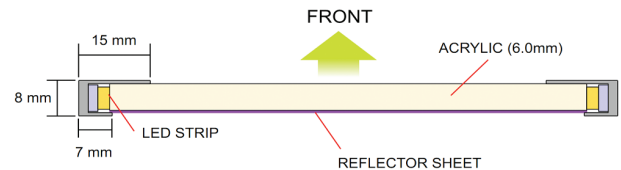
Dimension (in)	Dimension (mm)	LED	Surface Brightness (Lux)	Power Consumption (W)
6x12	152x304	1 long side	7,000	3.0
12 x 12	304 x 304	1 long side	3,500	3.0
18 x 24	457 x 609	2 long sides	5,000	13.2
24 x 36	609 x 914	2 long sides	3,600	20.4
36 x 72	914 x 1828	2 long sides	2,500	43.3
48 x 96	1219 x 2438	2 long sides	2,000	56.4
60 x118	1500 x 3000	4 sides	2,000	98.0

Construction Options

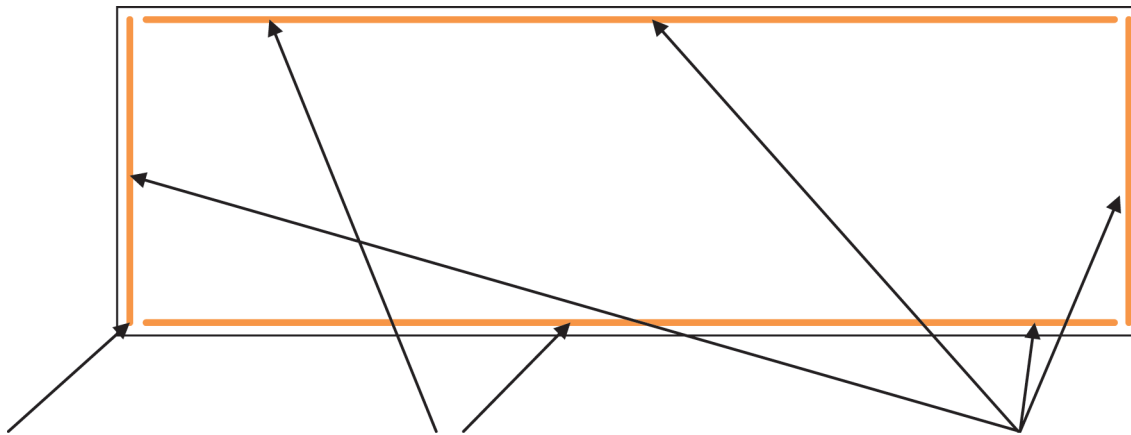
Open Face - LED Hot Spot Visible



Closed Face - LED Hot Spot Covered



LED Light Panel Configuration Options



Single Edge

Great for small format panels
533 millimeters/ 21 inches or less in width.

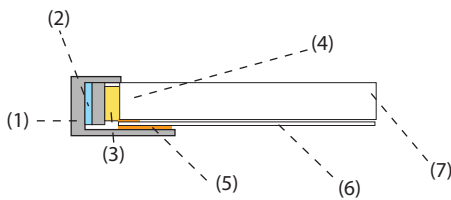
Double Edge

Panels over 533 millimeters/ 21 inches wide require
a double edge of LEDs for consistent light output.

Quadruple Edge

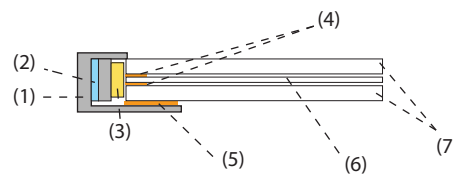
Necessary when more light output is required.
Maximum length 2997 millimeters/ 118 inches.

Single Sided

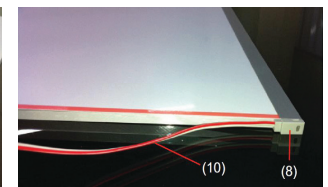
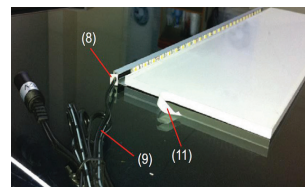


1. Heat Sink and LED Channel
2. 3M Thermal Tape
3. Samsung LED Light Engine
4. Reflective Sheet Bonding
5. Heat Sink and LED Channel Bonding
6. Reflective Polymer Film
7. Cast Acrylic Light Guide Plate (PMMA)

Double Sided



- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Heat Sink and LED Channel 2. 3M Thermal Tape 3. Samsung LED Light Engine 4. Reflective Sheet Bonding 5. Heat Sink and LED Channel Bonding 6. Reflective Polymer Film 7. Cast Acrylic Light Guide Plate (PMMA) | <ol style="list-style-type: none"> 8. Plastic Gormet to Protect the Wire & Provide a Clean Professional Finish 9. Power Cable with Barrel Connector, Fly Leads Optional 10. Interconnect Wire for Double Edge-Lit Panels. 11. Reflective Polymer Finish Tape |
|--|--|



Gallery Samples

