

LumiModule 155

Wide Beam Angle LED Module

BRIGHT & EVEN ILLUMINATION

- // 100 lm, 83 lm/W
- // 155° wide beam angle lens

QUICK INSTALLATION

- // Easy installation & maintenance

LONG LIFESPAN

- // 40,000 ~ 50,000 hrs based on 70% light output

ENERGY EFFICIENT

- // Low power consumption (1.2W)

SAFETY GUARANTEED

- // 100% waterproof (IP67)
- // Increased safety due to low working voltage (12VDC)

WARRANTY

- // Advanced 3-year warranty

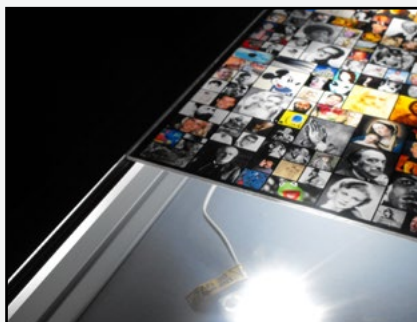


FLEXIBLE SIGN & LIGHT BOX BACKLIGHTING SOLUTION

The LED Module (LLM12-S-155) is designed for backlighting applications. Featuring IP67 water-proof and 155 degree wide beam angle, it has been widely used by the lighting industry and signage industry for retrofitting traditional indoor and outdoor fluorescent signage or light boxes. This module's flexibility in installation also makes it the perfect lighting solution for medium and large size channel letters or boxes with a 100 - 200mm depth. The LLM12-S-155 also provides many other additional advantages like brilliant light output, reduced energy cost and maintenance.

Wide Beam Angle

With a 155° beam angle, the LLM12-S-155 LED Module is an economical solution for internal illumination and retrofitting of traditional fluorescent light boxes with a depth greater than 3".



Versatility

The LLM12-S-155 LED Module has proven to be the perfect solution for the backlighting of translucent surfaces when space is available.



Waterproof

The LLM12-S-155 LED Module carries an IP-67 waterproof rating allowing for its use in outdoor applications.

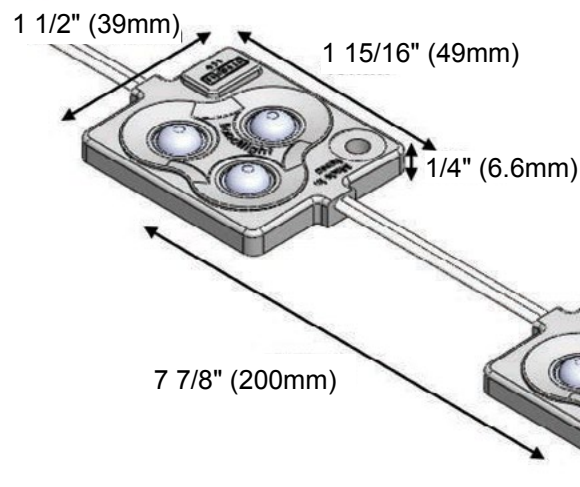


SPECIFICATIONS

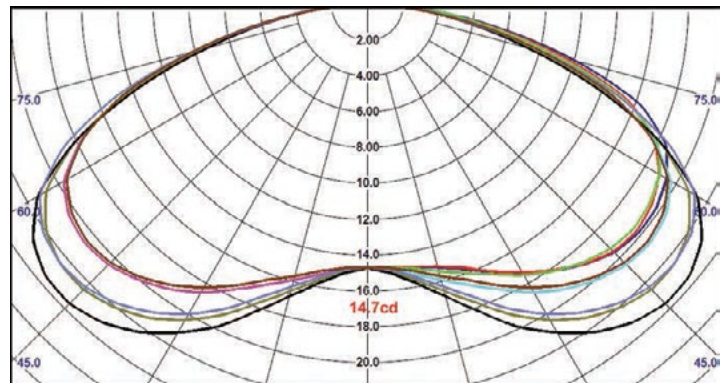
Electrical	
Input Voltage	12 Volt DC - Constant Voltage
Power Consumption	1.2W (Max.)
Certification	cUL, CE, RoHS
Physical	
Color Temperature	Pure / Cool White approx. 6500K
Mounting Examples	Double sided adhesive tape
Operating Temperature	- 20°C (- 4°F) ~ + 70°C (+ 158°F)
Environment	Dry location and Wet location
Beam Angle	155° (Wide Flood)
Power & Controls	
Please contact Evo-Lite for optimal power & control solutions to fit your requirements	
Part Number	LLM12-S-155
Dimension	1 15/16"(L) x 1 1/2"(W) x 1/4"(H) (49mm x 39mm x 6.6mm)
Luminous Flux (Typ.)	100 lm

Color Temperature:  Pure / Cool White
6500K

PROFILE DIMENSIONS

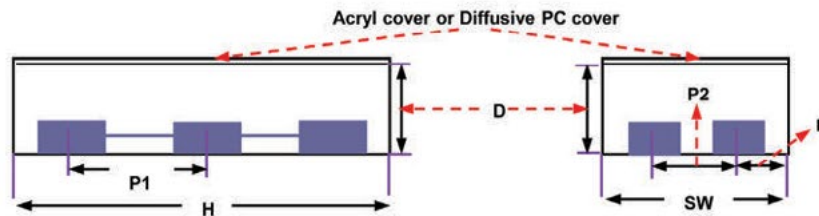
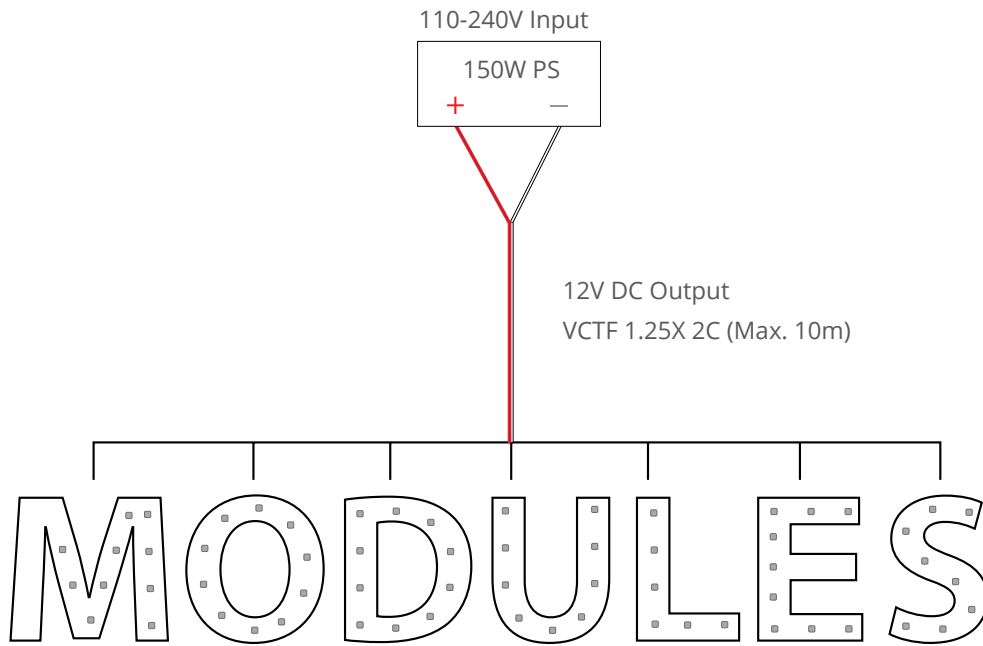


Luminous Intensity Distribution
(White 6500, Unit:cd)



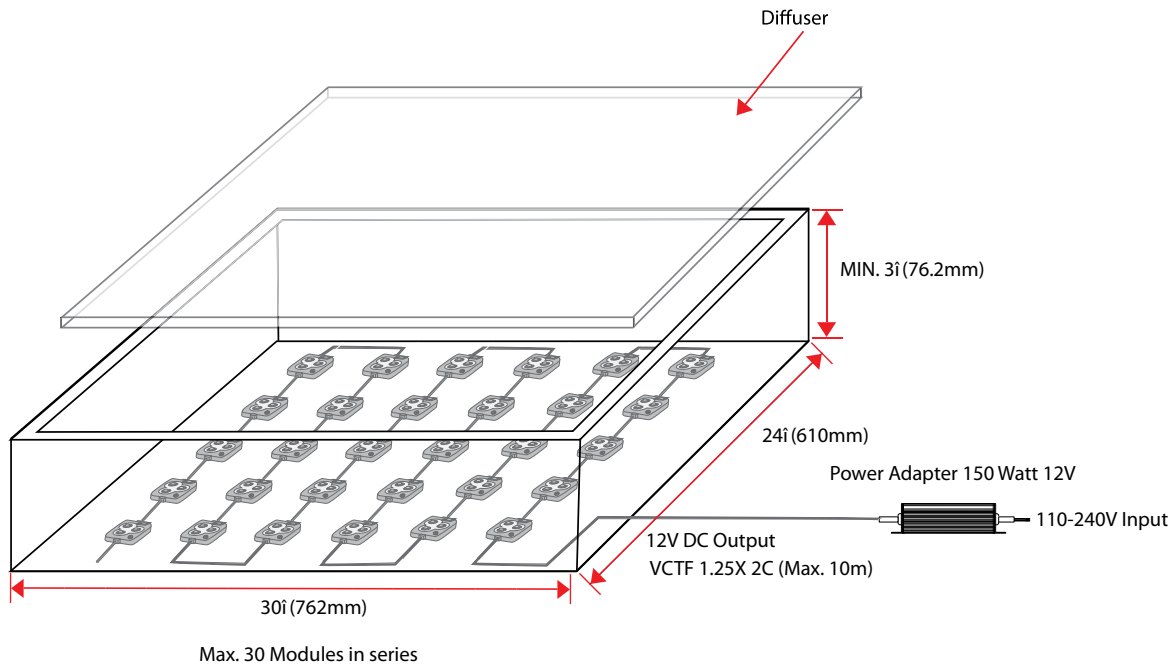
INSTALLATION GUIDE

- Recommended channel depth: 100mm - 200mm
- Recommended installation pitch between the center of the modules: 150mm - 200mm at 100mm - 150mm depth
- Max. module number connected in series: 30 modules
- Installation layout (Example): channel height - channel depth - 120mm, stroke width - 200mm



H	Channel Letter Height	
D	Channel Letter Depth	4" - 7 7/8" (100mm - 200mm)
SW	Channel Letter Stroke Width	
ED	Distance between the center of the LED module to the edge of the Channel Letter	1 3/16" - 4" (30mm - 100mm)
P1	Installation pitch in a row	5 7/8" - 7 7/8" (150mm - 200mm)
P2	Installation pitch in a column	5 7/8" - 11 3/4" (150mm - 300mm)

INSTALLATION GUIDE (CON'T)



PRIMARY DC CABLE SPECIFICATION TABLE

Module Number connected	Cable Specification
- 120 modules	VCTF 1.25X2C
- 180 modules	VCTF 2.0X2C
- 300 modules	VCTF 3.5X2C
- 420 modules	VCTF 5.5X2C

POWER SUPPLY CAPACITY TABLE

Power Supply	Max. Module Number connected
20W 12VDC	13 modules
40W 12VDC	26 modules
60W 12VDC	39 modules
100W 12VDC	65 modules
300W 12VDC	195 modules
600W 12VDC	390 modules



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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

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