

the linear lighting people

mmj
lighting 96 ltd

linear green concealed dimmable

MMJ Lighting introduces a complete line of compact, dimmable, easily-concealed linear LV SMD LED.

IP44 D500UC.SMD.Led: ultra thin and dimmable

IP67 and **IP68** 909SMD.Led: weatherproof and waterproof

LV SMD LED™ is extremely small and flexible. With less than 1" in overall height, it is the perfect solution for lighting applications with minimal space.

- 50,000 hours
- Modular and easily concealed
- **Wide colour range:** white and warm white

Single colours: red, green, blue and yellow

Full colour range: The RGB colour change feature and our Coloursum controller creates a full colour range and colour change flexibility.



D500UC
IP44

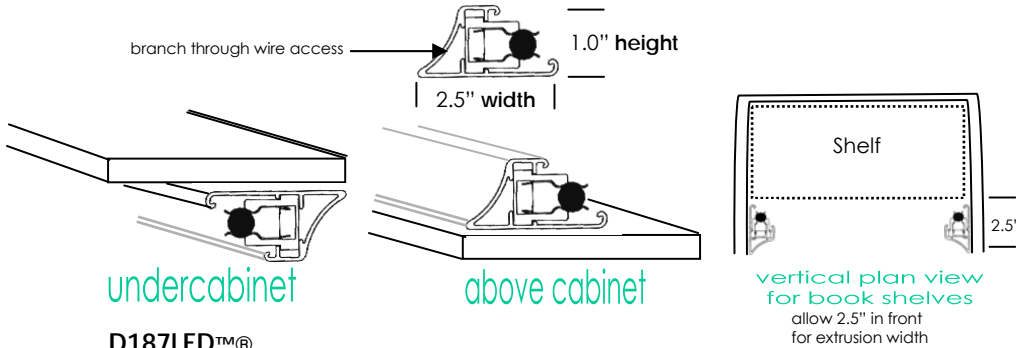


D909SMD.Led
IP67 and **IP68**

For further information contact your local MMJ lighting representative.
905.479.0788 sales@mmjlighting96.com

project specification	D187SMD.LED and D500UC slim stick 0.38
fixture type	

green and concealed



D187LED™®

under shelf mounting position valance not required

The D187LED™® can be used to support glass or wooden shelves while offering concealed lighting below.

Specifications:

Spacing:

- D187LED® 2.5" o.c.
- D187LED® 3.0" o.c.
- D187LED® 4.0" o.c.
- D187LED® _____" o.c.CUSTOM

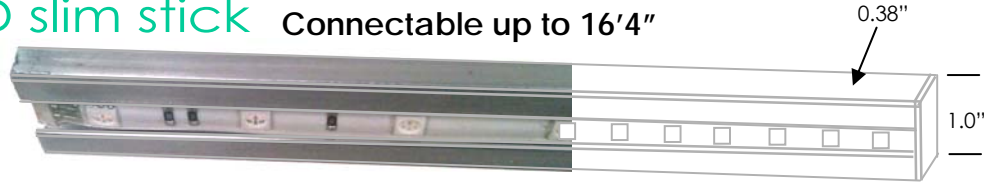
LV LED's

- L500SMD festoonLED - 1.2w @ 12v 235 lumens per foot
- Colour temperature:
 - 2950K warm white , 5000K white

Power feed, specify:

- left right

D500UC.SMD.LED slim stick Connectable up to 16'4"



Ordering Guide:

D500UC slim stick extrusion

LV.SMD.Led lighting™® insert:

se - single ended de - double ended

Standard Brightness: 2.2w per foot:

- : D500LED.FLX.SE – 16.40' 5.0 meters SE – 2.2w p' = 36w.12vDC
- : D500LED.FLX.DE - 8.20' 2.5 meters DE – 2.2wp' = 18w.12vDC
- : D500LED.FLX.DE - 4.10' 1.25meters DE – 2.2wp' = 9w.12vDC
- : D500LED.FLX.DE - 2.05' 1.025meters DE - 2.2wp' = 5w.12vD

High Brightness: 5.0w per foot:

- D500LED.FLX.SE.HB 16'4" 5.0 meters SE – 5.0w p' = 82.0w.12vDC
- D500LED.FLX.DE.HB 8'2" 2.5 meters DE – 5.0w p' = 41.0w.12vDC
- D500LED.FLX.DE.HB 4'1" 1.25 meters DE – 5.0wp' = 20.5w.12vDC
- D500LED.FLX.DE.HB 2'5" 1.025 meters DE - 5.0wp' = 10.0w.12vDC

Wet Location: IP68 - CONSULT MMJ96

Special WET applications:

- D500LED.FLX.IP68 factory terminated gel filled light strip
- D500LED.FLX.IP68.PF2 four pin power feed with shrink
- D500LED.FLX.IP68.JF2 four pin joiner with shrink

note: all terminations must be prepared at the mmj lighting 96 ltd factory
shrink connections can be installed in the field

Accessories:

D500LED.FLX™®. power feeds:

- D500LED.FLX.PF2.two wire power feed with 12" tail

Note: power feed tails can be custom lengths consult mmj96 – **NOT INCLUDED**

D500LED.FLX™®. Joiner:

- D500LED.FLX.JF2.four pin joiner

Power supply: SHOP DRAWING PAGE 12 of 12

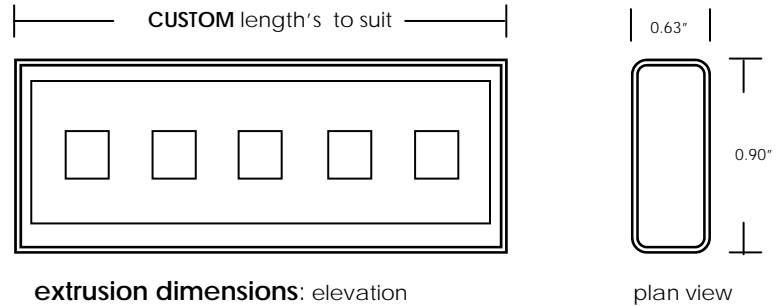
Extrusions: SHOP DRAWING PAGE 12 of 12

shop drawing

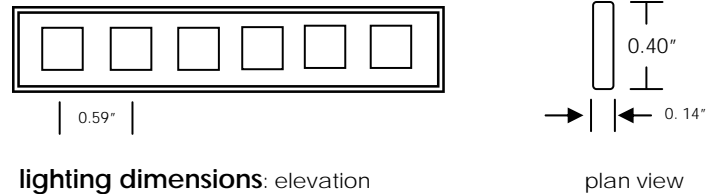
project specification		
fixture type	D909SMD.LED extrusion	D500SMD.LED.FLX lighting – 5.0w per foot IP68

extrusion:

Housing: extruded aluminum
Cover: gasketed to IP68
Finish: anodized satin aluminum
Lens: uv stabilized acrylic lens
IP68: suitable for continuous submerged installation
Power Supply: remote 12vDC power supply



Extrusions can be row mounted end to end for continuous lighting
 Lens acrylic UV stabilized – cover with rubber gasket lens
 12vDC power wire rear mounted and sealed to IP68
 Anodized satin aluminum mounting clips



lighting: DIMMABLE

LV SMD Led gel filled linear strip
 0.24w LV SMD LED's 0.52" o.c. = 5.0w per foot
 colour temperature: warm white
 dimensions: 0.40" wide x 0.14" high
 cutting point: 1.955" o.c.
 maximum run: 16'4"
 mounting: VHB bond tape

Note:
 Any Changes or modifications to mmj lighting 96 ltd lighting fixtures, must be done in the mmj lighting 96 ltd factory. Any modifications or changes done in the field will void all warranties and approvals.

Job Name:
 Job Nbr:
 Tag:
 note: site measurements required

shop drawing

project specification	D902H-LED-RGB specifications and dimensions as noted below
fixture type	

- D902H series**
- D902H-36-3K-120v warm white,
 - 12 x 1w350mA 3200k
 - 12 x 3w700mA 3200k
 - D902H-36-4K-120v, white
 - 12 x 1w350mA 5000K
 - 12 x 3w700mA 5000k
 - D902H-36-RGB-24v, RGB,
 - 12 x 3w700mA
 - 4 x 3w red, 4 x 3w blue, 4 x 3w green.
 - IP65
 - driver included – 3 wire internal power connection: IP65 IP67 specify
 - DMX Control via RJ45 plug for CAT5 cable [in and out] **on C-DMX-MC.**
 - DMX Control supplied by: OTHERS
 - DMX dip switch control installed in fixture.

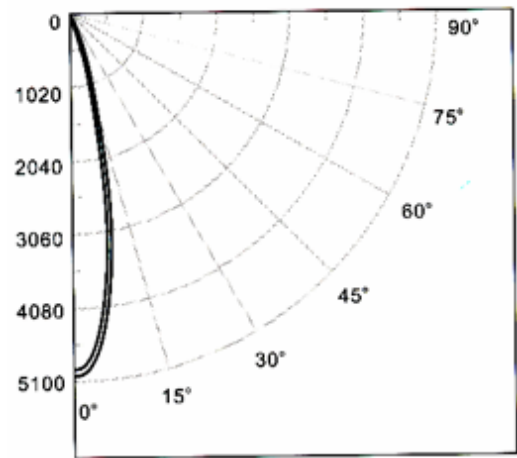
Note:
If the DMX Dip switches and driver are installed in the D902H then the fixture can be a slave to the DMX controller.

FULL FUNCTION WILL BE DEPENDENT ON THE CAPABILITY OF THE DMX CONTROL.

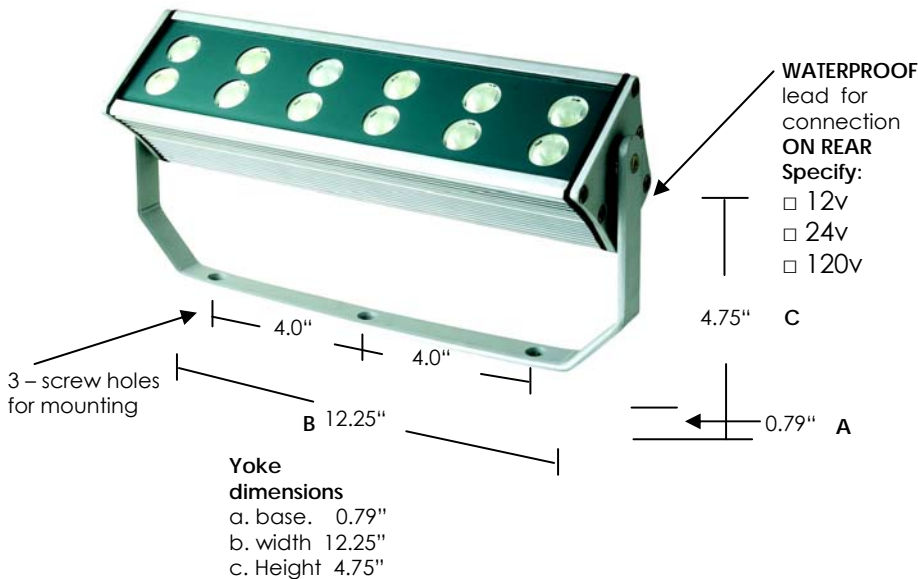
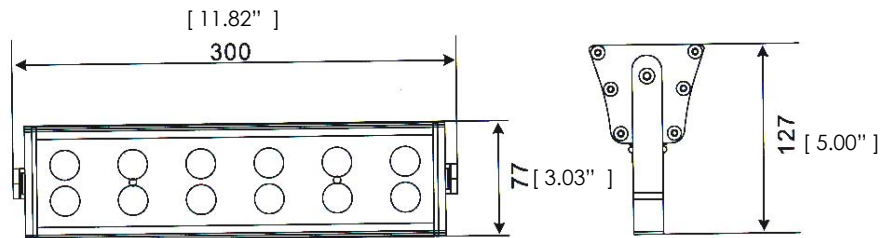
Warranty:
2 year warranty from date of delivery.

Note: The installation should be done within a timely period to allow the full warranty period

Light Distribution Curve[Unit: cd]



green linear IP65

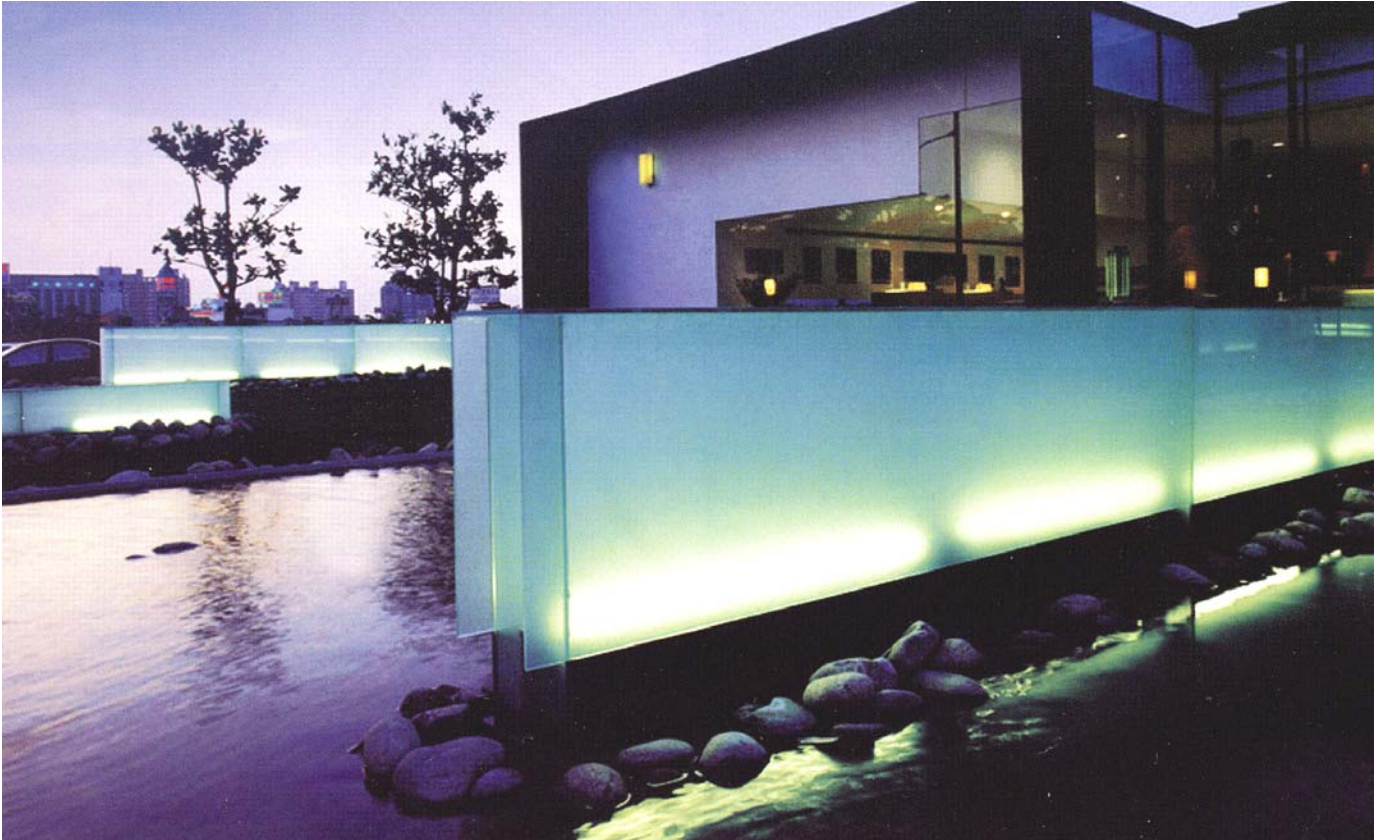


Job Name:
Job Nbr:
Tag:
note: site measurements required

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shop drawing

project specification	D900H-W-900-120
fixture type	



specifications:

housing: IP65 extruded aluminum housing

finishes: white, black aluminum _____CUSTOM

LV Led's: CREE – 18 x 1w350mA

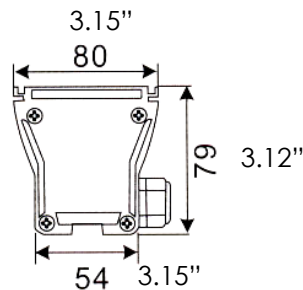
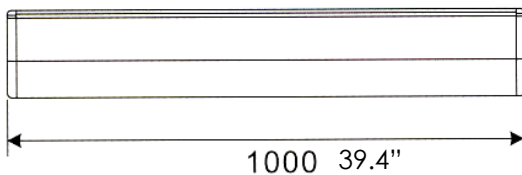
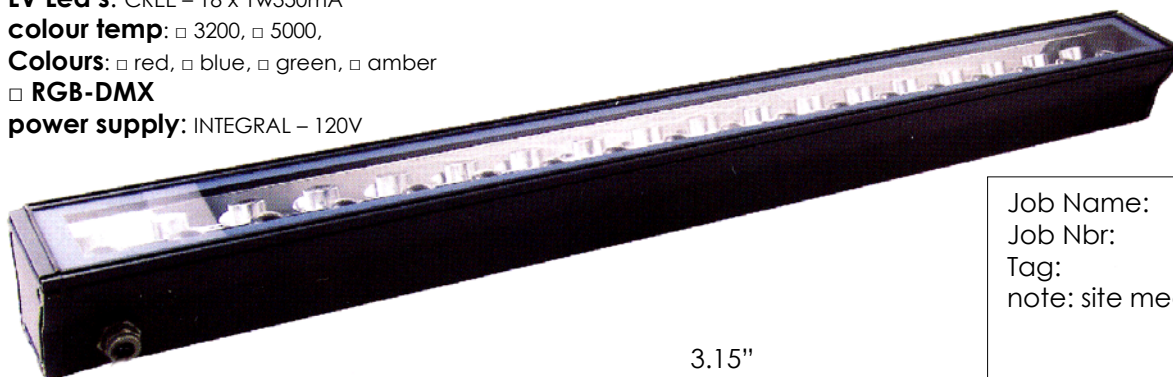
colour temp: 3200, 5000,

Colours: red, blue, green, amber

RGB-DMX

power supply: INTEGRAL – 120V

green linear IP65



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 Job Nbr:
 Tag:
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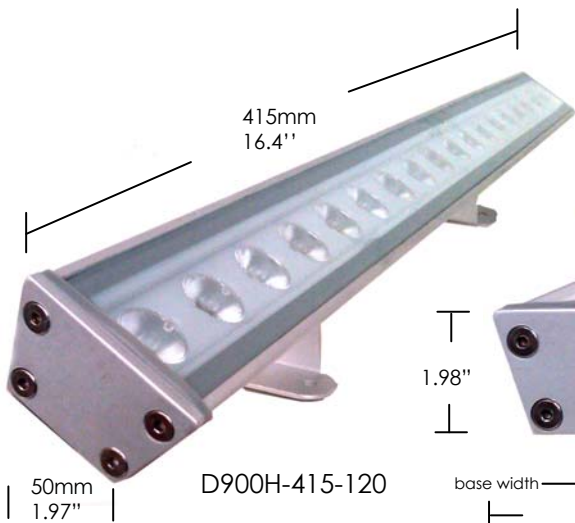
shop drawing

project specification: D900 LV LED wall washer

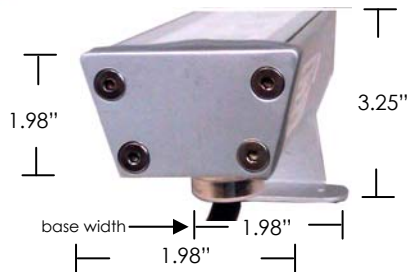
fixture type:



Fixture	LV LED's	colour temp	wattage	input voltage	total watts	lumens	IP
D900H-415-120	<input type="checkbox"/> RGB	red green blue	12 X 1w350mA	350mA	12w	552	65
D900H-415-120	<input type="checkbox"/> white	5000K	12 X 1w350mA	350mA	12w	552	65
D900H-415-120	<input type="checkbox"/> warm white	3000K	12 X 1w350mA	350mA	12w	552	65
D900H-515-120	<input type="checkbox"/> RGB	red green blue`	15 X 1w350mA	350mA	15w	690	65
D900H-515-120	<input type="checkbox"/> white	5000K	15 X 1w350mA	350mA	15w	690	65
D900H-515-120	<input type="checkbox"/> warm white	3000K	15 X 1w350mA	350mA	15w	690	65
D900H-615-120	<input type="checkbox"/> RGB	red green blue	18 X 1w350mA	350mA	18w	828	65
D900H-615-120	<input type="checkbox"/> white	5000K	18 X 1w350mA	350mA	18w	828	65
D900H-615-120	<input type="checkbox"/> warm white	3000K	18 X 1w350mA	350mA	18w	828	65



D900H-415-120



base width 1.98"

D900H
IP65 glass lens
IP65 end caps
IP65 power feed



D900H-515-120

515mm - 20.3"



D900H-615-120

615mm - 24.3"

wall wash IP65

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Job Name:
Job Nbr:
Tag:
note: site measurements required

D900LED page 1 12.21.09

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mmj
lighting 96 ltd

project specification LV LED tube D1000 series RGB colour change and single colour

fixture type

Job Name:
 Job Nbr:
 Tag:
 Distributor:
 Electrician
 Engineer:
 Interior Design:
 Architect:
 note: site measurements required

Note:
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LV LED tube offers single tube individual fading complete with colour change in a one meter [39.37"] tube.

LV LED tube will chase from tube to tube

LV LED tube is approved for indoor applications and each Tube can be daisy chained for ease of installation.

LV LED tube can function with stand alone or DMX Controllers.



not illustrated: white cyan

Fixture number	- description	- overall length	- watts per tube
D1000-135-120v	- 135 RGB led's	- 39" [1 meter]	- 10.5
Luminance:	64		
D1000- 90-120v	- 90 RGB led's	- 24"	- 7.0
Luminance:	42.5		
D1000- 45-120v	- 45 RGB led's	- 12"	- 3.5
Luminance:	21.3		
Viewing angle:	85° * 40°		

Controller:
C141RGB-120v
 Input voltage: 120v, output voltage: 120v
 Maximum power output: 1440w

Description:
 Designed for single colour change and will provide the lighting System with various lighting effects: DYNAMIC, STATIC, FLASHING and FADING. and standard DMX. Power off protection.

C141RGB DMX interface:
 Offers full DMX control



D1000 shop drawing - 7.5.07

project specification


LV LED tube D1001 series **single colour change**

fixture type

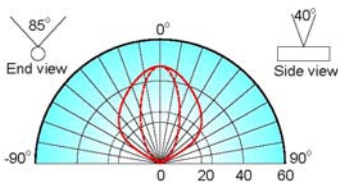
Job Name:
 Job Nbr:
 Tag:
 Distributor:
 Electrician
 Engineer:
 Interior Design:
 Architect:
 note: site measurements required

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D1001 shop drawing - 11.26.07 

Candle Power Distribution



Illuminance Distribution

6	8	10	10	9	6	1m
12	19	22	23	21	15	
21	32	44	45	37	23	0m
21	33	42	40	34	21	
11	15	19	19	15	12	1m
4	6	7	7	6	4	
						1m

Units: Lux
 Distance from surface: 0.3m (from center of grid)

Fixture number - description - length - watts ea.

D1001-135-12v - 135 led's - 39" - 10.5
 Luminous flux : 125.1Lm
 D1001- 90-12v - 90 led's - 24" - 7.0
 Luminous flux: 90.0 Lm
 D1001- 45-12v - 45 led's - 12" - 3.5
 Luminous flux: 51.1 Lm
 Viewing angle: 85° * 40°

Power Supply:
 C141-12v-120v
 Input voltage: 120v, output voltage: 12v

Description:
 Designed for single colour change:
 AMBER – COOL WHITE – WARM WHITE
 and ULTRA WARM WHITE or BLUE COLOURS.
 Power off protection.

Illuminance

Color	1m	2m	3m	4m	5m
A	49	13	6	3	2

Measured in Lux on axis

Light Output

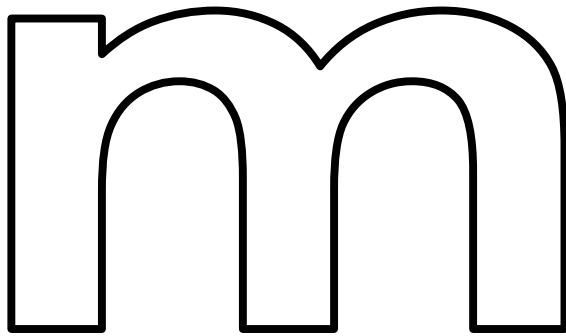
Color	Total output(Lumens)	Power(Watts)	Efficacy(Lm/w)
A	376.7	5.6	22.2

shop drawing

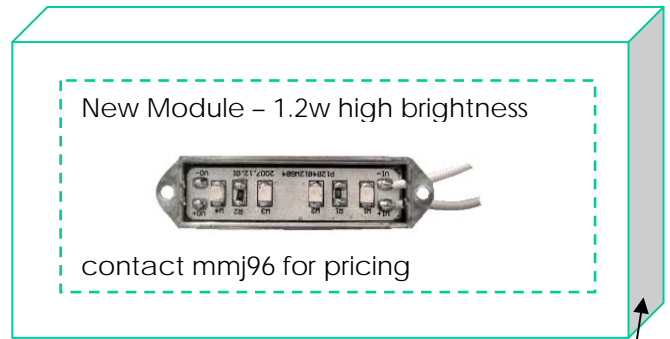
project specification	D1300LED starbrite back light
fixture type	

Job Name:
 Job Nbr:
 Tag:
 Distributor:
 Electrician
 Engineer:
 Interior Design:
 Architect:
 note: site measurements required

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follow most contours with ease



minimum letter depth = 1.50"

LV Led starbrite backlite

Easily installed with Permanent VHB bond two sided Tape.

green sign IP67

Factory wired in string sets Standard or custom spacing.

Exterior LV Led:

D1300-1
 Red Yellow
 0.24w @ 12v DC
 Green, Blue and White
 0.48w @ 12v DC

Interior LV Led:

D1300-2
 Red, Yellow, Blue, Green and White
 0.48w @ 24v

D1300-3
 Red, Yellow, Blue, Green and White
 0.72w @24v DC

D1300-4
 Red, Yellow, Blue, Green and White
 1.2w @24v DC



Typical module: : D1300 dimensions

0.38" depth

Remote power supply:

C143RGB
 100-240v - 50/60HZ
Maximum load: 80 x D1300-1 per C143

Output:

- 12v D1300-1, D1300-2,
- 24v D1300-3

D1300LED shop drawing

project specification LV LED mini flex power supplies and Extrusions

fixture type

power supplies:

**ET6012M, ET7512M,
ET10012M, ET15012M**

Specifications:	length	width	height	watts	secondary	primary
<input type="checkbox"/> ET 6012M	8.5"	4.5"	1.50"	60w	12v	120v-5t
<input type="checkbox"/> ET 7512M	5.1"	3.8"	1.50"	75w	12v	120v-50/60HZ
<input type="checkbox"/> ET 10012M	6.3"	3.8"	1.50"	100w	12v	120v-50/60HZ
<input type="checkbox"/> ET 15012M	7.8"	3.9"	1.50"	150w	12v	120v-50/60HZ

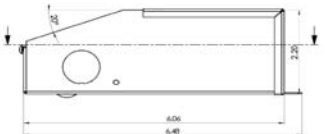
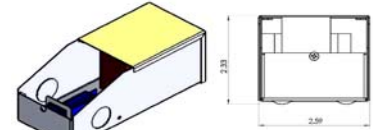


ET 32012M

Specifications:	length	width	height	watts	secondary	primary
<input type="checkbox"/> ET 32012M	8.5"	4.5"	1.50"	320w	12v	120v-50/60HZ

Dimmable power supplies:

<input type="checkbox"/> LV Led Mag100	6.48"	2.59"	2.33"	100w	12v	120v-60hz
<input type="checkbox"/> LV Led Mag 50	5.63"	2.14"	2.0"	50w	12v	120v-60hz



LV Led Mag50 / LV Led Mag 100

Note:

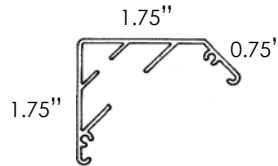
Housing includes wiring enclosure for 120v and 12v terminals .
Dimensions as noted above.

C-UL and UL Approved.[power supply listed 7D 53]

Note: This power supply is to be installed with mmj lighting 96 ltd lighting products
as a component completing the C-US approval

ELECTRICAL INSTALLATION INSTRUCTIONS SUPPLIED BY: MMJ LIGHTING 96 LTD , MUST BE FOLLOWED.FAILED TO DO SO WILL VOID ANY APPROVALS.

extrusions:

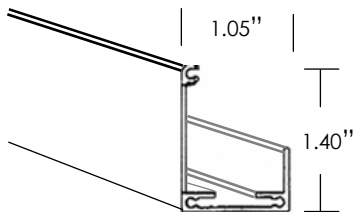


D115 extrusion

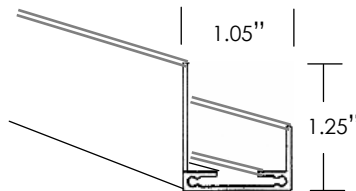
showcase



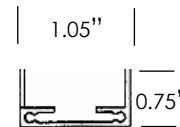
cove



D121
full reflector



D121.1
3/4 reflector



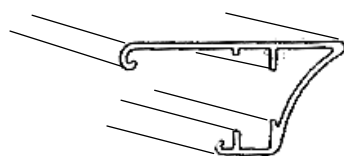
D121.2
low extrusion

D121c lens

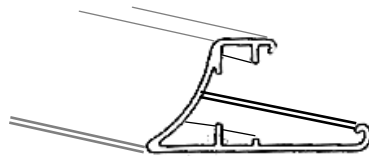
- D121.1
- D121.2

D121c lens

not illustrated

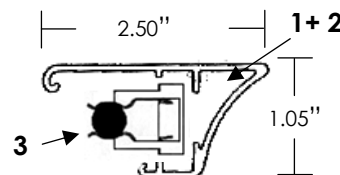


D119
under a shelf



D119.U
above a cabinet


Under cabinet, Above cabinet Showcase and Display



- beveled front reflector
branch through wire access
1. branch through wire access
 2. integral power supply, end feed only.
 3. LV LED mini flex strip

Job Name:
Job Nbr:
Tag:
Notes:

note: site measurements required

LV LED FLX power supplies and extrusion page three c 

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Job Name:
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• Controller – C140

Control pulse signals and power for the LV LED tube come from the C140 controller,

- Connections from the controller to the LV LED tube are made with molded screw type male and female connectors.

• Controller – C140 dmx

- Each C140dmx controller can be used in a single group application or multiple group applications.]

• Power supply – C141

- required for up to 8 – D1000 LV LED tubes. C141 power supply's link to the main C140 controller. [extension cables required for remote locations – consult mmj96]

• LV LED tube – D1000-2W

	rated power:
D1000-60	60 leds
	2.4w120v per 3.3' tube. Red , Yellow.
	40 tubes with a 1a. converter.
	80 tubes with a 2a. converter
	60 leds
	4.8w120v per 3.3' tube. White,Blue,Green.
	20 tubes with a 1a. converter.
	40 tubes with a 2a. converter.

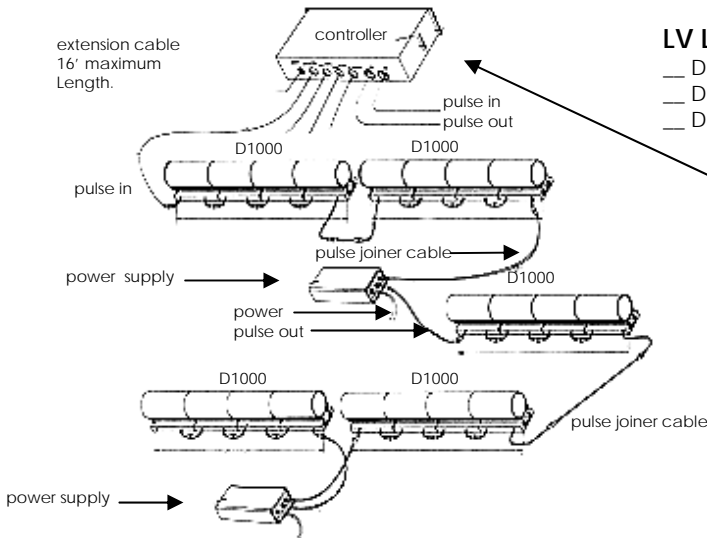
LV LED tube - D1000-3Wchase

D1000-120	120 leds	7.2w120v per 3.3' tube. Red, Blue.
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- Each C140 controller can run up to 1000 linked - D1000 LV LED tubes per controller for each of the four outputs. [consult mmj96 for specifications]
- Power to the first group of 4 - D1000 LV LED tubes is supplied by the C140 controller.
- For each additional group of up to 8 – D1000 LV LED tubes a C141 power supply will be required.

LV LED tube extension Cables:

- D1000-CBL - 5'
- D1000-CBL - 15'
- D1000-CBL - 25' **CONSULT FACTORY**



Lv led tube power sources and tech spec's

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www.mmjlighting96.com

project specification

fixture type

LV Led starbrite™ Power Supplies

Job Name:
 Job Nbr:
 Tag:
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 Electrician
 Engineer:
 Interior Design:
 Architect:
 note: site measurements required

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□ TRD60w-120v maximum load 50w
Note: USE FOR ALL 12v applications
 185mm L x 135mm w x 33mm h x 43mm w
 Dual output – to be used for
 TANDEM RUNS ONLY



18w-350mA-700mA
 □ TRD18w-120v 350ma
 □ TRD18w-120v 700mA
 135mm L x 43mm w x 33mm h



□ TRD11w-120v 350ma,
 □ TRD11w-120v 700mA
 165mm L x 32mm W x 37mm H



TRD5w-120v 350ma
 56mm rnd x 25mm h



□ TRD25w – 120v-12v
 □ TRD25w - 120v-350mA
 135mm L x 43mm w x 33mm h

□ TRD3w-120v 350ma
 □ TRD3w-120v 700mA
 62mm L x 45mm w x 26mm h



Power supplies:

TRD60w-120v

□ TRD60w-12 v

TRD25w-120v

TRD18w-120v

□ TRD18w-120v-350mA

□ TRD18w-120v-700mA

TRD11w-120v

□ TRD11w-120v-350mA

□ TRD11w-120v-700mA

TRD3w-120v

□ TRD 3w-120v-350mA

□ TRD 3w-120v-700mA

TRD5w-120v

□ TRD 5w-120v *

input voltage

output voltage DC

maximum load

120v

85v-265v

120v

120v

120v

120v

120v

120v

120v

2.5v 32v DC

12vDC

4.0 26VDC

4.0 26VDC

3.5v 350mA

3.5v 700mA

2.5v-3.5v 350mA

2.5v-3.5v 700mA

5.0v-12v 350mA

50w@12v

20w@12v

15 x 1w led = 15w

15 x 1w led = 15w

8 x 1w led = 8w

3 x 3w led = 9w

1 x 3w led = 3w

1 x 3w led = 3w

3 x 1w led = 3w

Note:

Converter required for all 277v applications:

□ TR277v-120v-150w – CONSULT MMJ96 BEFORE SPECIFYING

□ **ETH-TRD - Extruded aluminum hardwire enclosure:**

All remote power supplies will be supplied with an enclosed extruded aluminum enclosure.

Power feed connection: 120v primary

Recommended power supplies: a. all 12v lamps - 12VDC secondary
 b. 1w LV LED's use 350mA power supply
 c. 3wLV LED's use 700mA power supply

FOR REMOTE INSTALLATIONS ONLY

c RU us lv led power supplies 7.7.09

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