

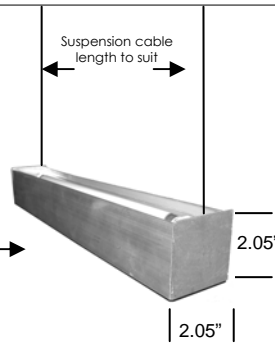
# shop drawing

project specification

fixture type **D193U** indirect **D193D** direct **D193UD** direct-indirect **LVT5 suspension** with: LVMR or LV Led down lighting



D193 U indirect  
Overall length as  
Noted below



**D193UD**  
direct - indirect

down lights

MR11  
MR16  
LV Led

Snap in:  
 lens  
 Louvre  
top and bottom

2.05"

4.10"

Job Name:  
Job Nbr:  
Tag:  
Distributor:  
Electrician  
Engineer:  
Interior Design:  
Architect:

note: site measurements required

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.

## Specifications:

**Lamps and Lengths listed below**

### Direct:

- D193 U.
- D193 U tandem \_\_\_\_\_"overall length.

### Indirect:

- D193 D \_\_\_\_\_" overall length.
- D193 D tandem \_\_\_\_\_" overall length.

### Indirect-Direct:

- D193UD

### LVT5 lamp type and lamp lengths:

- \_x 14w 24" = \_\_\_"  \_x 21w 36" = \_\_\_"
- \_x 28w 48" = \_\_\_"  \_x 35w 60" = \_\_\_"

### LVT5 Colour temperature:

- 3000K  3500K  4100K

### LVMR:

- MR11**  **MR16**
- 20w  35w  20w maximum

Specify beam spread: \_\_\_\_\_

### LVLed starbrite down light:

- D201LED  D224LED  D225LED

### beam spread:

- 15 deg  25 deg  60 deg  106 deg

### colour temperature:

- 3000K  4200K  \_\_\_\_\_ custom

LV Driver: integral - LV Led

Electronic transformer: integral - LVMR

LENS: optional

### Available finishes:

- white,  black,
- anodized specify finish \_\_\_\_\_

### ballast: integral

Type 1 outdoor, minimum operating temperature  
-20 deg F -30 deg C  
Maximum case temperature 158 deg F 70 deg C  
Ballast warranty 5 years from date of purchase.  
BALLAST WILL BE REPLACED AT A PRORATED VALUE  
DURING TIME OF WARRANTY PERIOD

### power feed:

- left,  right.

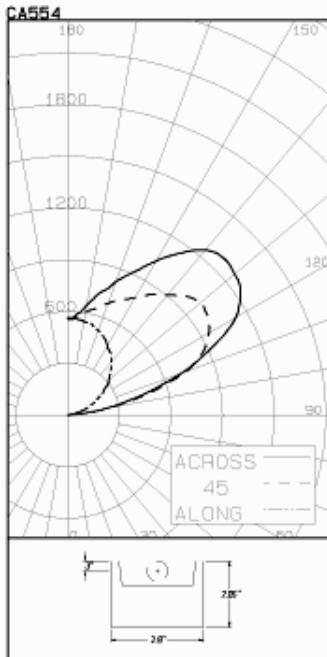
### suspension: Grip Lock

- \_\_\_\_\_ over all length.

advise ceiling

type \_\_\_\_\_

canopy: X \_\_\_\_\_ only.



CANDLEPOWER SUMMARY					OUTPUT	
ANGLE	ALONG	22.5	45	67.5	ACROSS	LUMENS
180	561	561	561	561	561	
175	558	556	568	579	584	56
170	551	572	606	638	646	
165	545	570	639	700	734	182
160	523	576	689	784	821	
155	498	582	735	872	914	336
150	462	582	783	959	1031	
145	437	583	855	1065	1146	517
140	399	579	910	1170	1248	
135	350	577	973	1216	1283	690
130	311	586	1017	1215	1268	
125	264	578	995	1181	1226	778
120	218	571	949	1093	1129	
115	172	562	870	931	925	712
110	126	521	726	705	703	
105	79	439	492	466	453	436
100	38	284	263	253	249	
95	1	92	86	81	79	98
90	0	0	0	0	0	

### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-150	574	13.05	15.09
180-140	1091	24.80	28.68
180-120	2559	58.17	67.25
180-90	3805	86.49	100.00
140-90	2714	61.68	71.32
120-90	1246	28.32	32.75
0-90	0	.00	.00
0-180	3805	86.49	100.00

\*\* EFFICIENCY = 86.5% \*\*

D193 U indirect, D193 D direct suspension revised 1.20.04



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