

MetaBright™ Linear Backlight

Model#: MB-LBL311



- Configurable for various wavelengths
- Stable, flicker-free illumination with instant-start operation
- 35 SMT array LED providing maximum intensity area with +/- 0.5% uniformity
- High Density Precision Chips Tehcnology (HDPCT)
- Patent-pending thermal management design draws heat directly from the die ensuring long life

Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground

10 ft. flying leads come standard on all products. Light features built-in constant driver with no expensive power supply required

M12 Connector

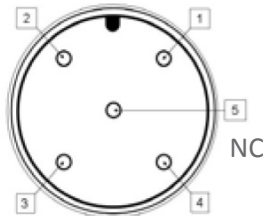
PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal Ground

Specifications:

Current Consumption	RED: 0.6A W/G/B: 1A
Housing	Aluminum
Casing	Stainless Steel
Finish	Powder Coated Black
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	36,000 Lux
Compliance	CE/RoHS
Lifetime Hours	80,000 Hours

Part # Color

MB-LBL311-W-24	White 5500 K
MB-LBL311-R-24	Red 630nm
MB-LBL311-B-24	Blue 455nm
MB-LBL311-G-24	Green 530nm
MB-LBL311-IRN-24	Infrared 850nm
MB-LBL311-IRL-24	Infrared 880nm
MB-LBL311-UVL-24	UV 395nm
MB-LBL311-UVS-24	UV 365nm



Active Area

1.2 in x 13 in
30.48mm x 330.2mm

Dimensions

2.50 in x 14.25 in x 0.69 in
63.5mm x 361.9mm x 17mm

ORDERING INFORMATION:

• M B - L B L 3 1 1	-	<input type="checkbox"/>	- 2 4 -	<input type="checkbox"/>	
		W	White 5500k	*BLANK	10 ft. Flying Leads
		R	Red 630nm	T	M12 Quick Disconnect
		G	Green 530nm	ILD	In Line Dimmer
		B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
		IRL	Infrared 880nm		
		UVL	(long) 395nm		
		UVS	(short) 365nm		

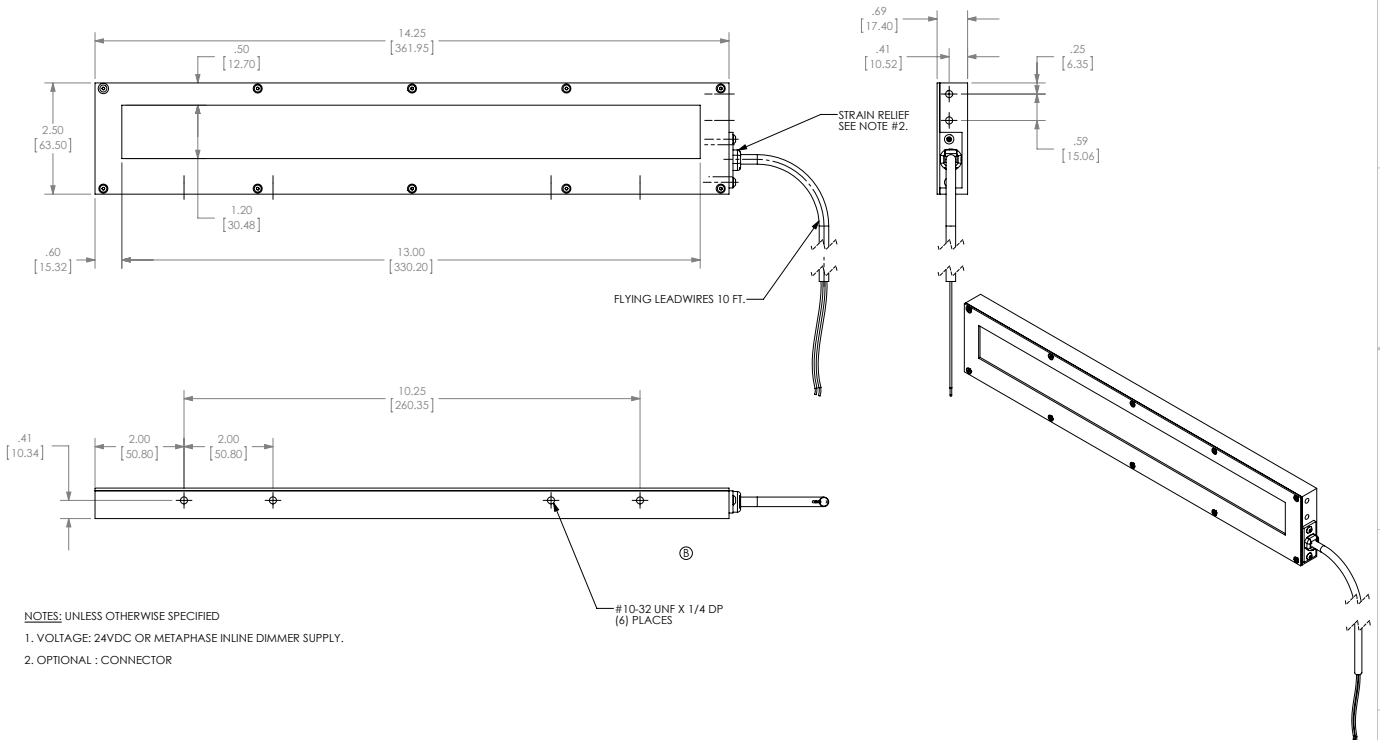


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Drawing/Diagram

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	DRAWING # WAS LBL2.SK13.KW	12/22/2010	
	B	#10-32 TAP WAS 1/2 DP. KW	3/2/2011	
	C	MB-LBL301 WAS MB-LBL311. KW	3/7/2011	
	D	MB-LBL311 WAS MB-LBL301 ADDED VOLTAGE TO NOTE #1. KW	7/12/2011	



- NOTES: UNLESS OTHERWISE SPECIFIED**
- VOLTAGE: 24VDC OR METAPHASE IN LINE DIMMER SUPPLY.
 - OPTIONAL : CONNECTOR

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	DRAWN	EW	12-21-10	TITLE:
TOLERANCES	CHECKED			BACK LIGHT, LINEAR
FRACTIONS & ANGULAR VALUES	ENG APPR.			1.2 X 13"
THREE PLACE DECIMAL & THREE PLACE DECIMAL	MFG APPR.			SIZE DWG. NO.
INTERPRET GEOMETRIC TOLERANCING PER:	D.A.			C MB-LBL311
ASME Y14.5	PART NO.			SCALE: 1:2 WEIGHT:
NEXT ASBY	USED CH			SHEET 1 OF 1
APPLICATION	DO NOT SCALE DRAWING			