MetaBright Thin Backlight
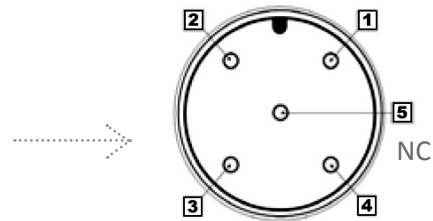## Model#: MB-TBL1X3

Metaphase
Technologies, Inc.

- Configurable for various wavelengths
- Extremely low profile backlight for applications with strict spatial limitations
- No warm up time to reach full intensity
- Thin yet very high intensity & high uniformity (+/- 5%)
- High Uniformity (No hot spots or glare)
- High Density Precision Chips Tehcnology (HDPCT)
- Streamline design allows for maximum active area
- Light thickness: .39"

Active Area	Dimensions
1in x 3.5 in 25.4mm x 88.9mm	1.19 in x 4.14 in x .39 in 30mm x 105mm x 9.9mm

Specifications:

Current Consumption	RED: 0.135A W/G/B: 0.18A
Finish	Powder Coated Black
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	70,000 Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

Wiring Diagram

Flying Leads	Function
RED	+24VDC
BLACK	Ground

M12 Connector

PIN #	Function
1	+24VDC
3	Ground

NC

ORDERING INFORMATION:

• M B - T B L 1 X 3   -   ☐   - 2 4 -   ☐

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			

Drawing/Diagram

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	WAS 1.19 , MATERIAL WAS 304 STAINLESS STEEL KW	5/3/2012	

CRIMP OVER CORD FOR STAIN RELIEF

4.14 [105.26]

3.56 [90.47]

SEE NOTE #3

.25 [6.40]

.39 [9.86]

1.10 [27.94]

1.21 [30.73]

3.86 [97.94]

.60 [15.24]

.03 [0.79]

∅.14 THRU [3.45] (4) PLACES

NOTES: UNLESS OTHERWISE SPECIFIED

1. HOUSING MATERIAL: .21 GA (.032 THICK) STL, SPOT WELDED CONSTRUCTION. Ⓐ

2. FINISH:POWDER COAT, BLACK EXTERIOR ONLY. MASK INSIDE OF HOUSING.

3. 10 FT. ELECTRICAL CABLE WITH FLYING LEADWIRES FOR 24 VDC UNITS.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	**METAPHASE TECHNOLOGIES, INC.**
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	KW	4-5-11
			CHECKED		TITLE:
			ENG APPR.		
			MFG APPR.		BACKLIGHT, THIN, 1 X 3.5 [25.4 X 90.2]
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
NEXT ASSY	USED ON	FINISH			

SIZE	DWG. NO.		REV
B	TBL1X3.5		A
SCALE: 1:1	WEIGHT:		SHEET 1 OF 1

APPLICATION — DO NOT SCALE DRAWING