

MetaBright Thin Backlight

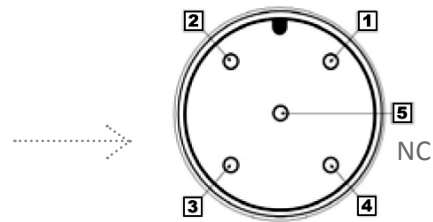
Model#: MB-TBLIX1



- 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	Specifications:	
1in x 1in 25.4mm x 25.4mm	1.19in x 1.82in x .39in 30mm x 46.22mm x 9.9mm	Current Consumption	RED: 0.045A W/G/B: 0.06A
		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		M12 Connector	
Flying Leads	Function	PIN #	Function
RED	+24VDC	1	+24VDC
BLACK	Ground	3	Ground



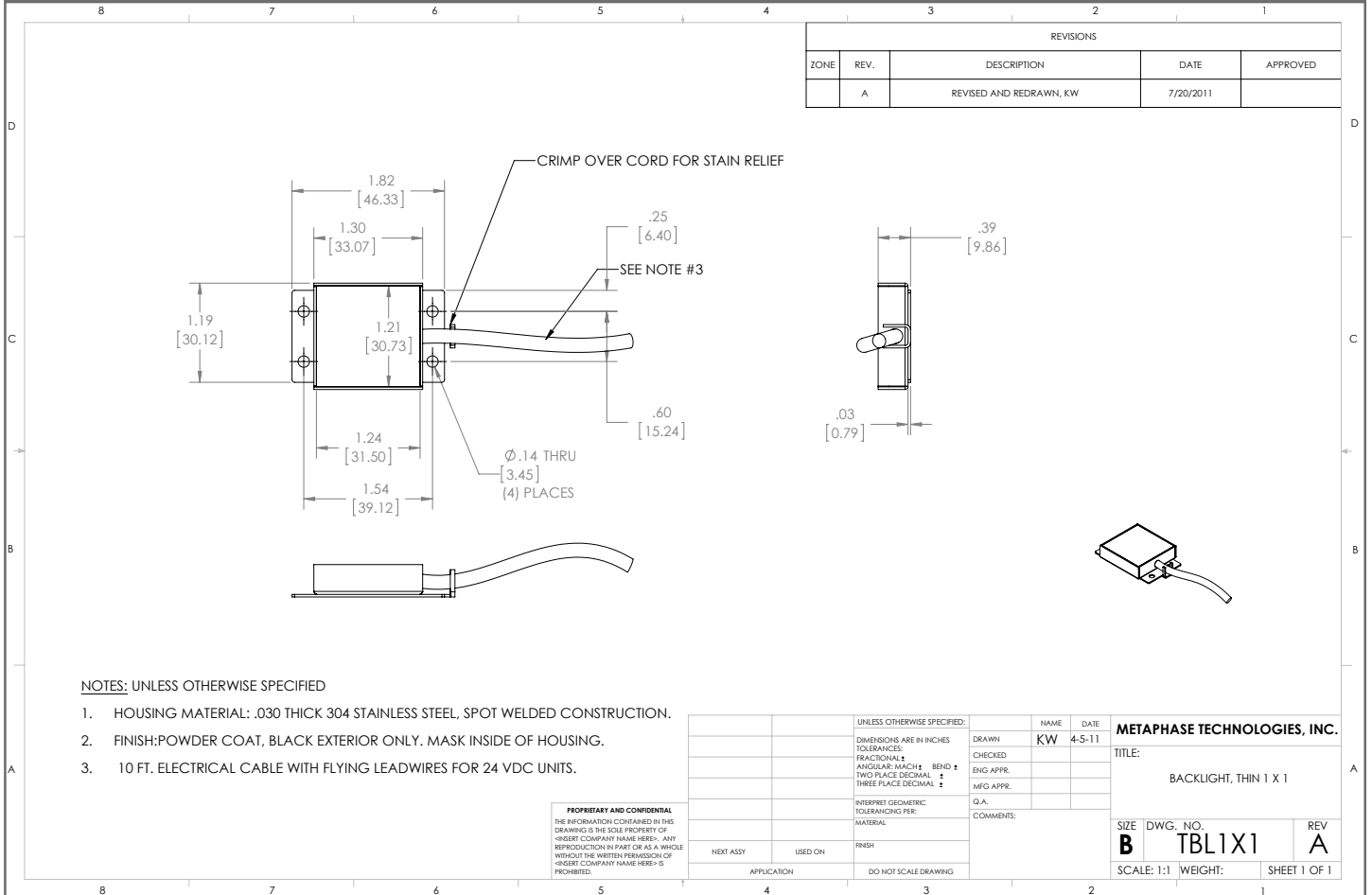
ORDERING INFORMATION:

• M B - T B L 1 X 1 - - 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		

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Drawing/Diagram



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED AND REDRAWN, KW	7/20/2011	

NOTES: UNLESS OTHERWISE SPECIFIED

- HOUSING MATERIAL: .030 THICK 304 STAINLESS STEEL, SPOT WELDED CONSTRUCTION.
- FINISH: POWDER COAT, BLACK EXTERIOR ONLY. MASK INSIDE OF HOUSING.
- 10 FT. ELECTRICAL CABLE WITH FLYING LEADWIRES FOR 24 VDC UNITS.

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	METAPHASE TECHNOLOGIES, INC.	
DIMENSIONS ARE IN INCHES		DRAWN	KW		4-5-11
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR MATCH ±		MFG APPR.			
BEND ±		G.A.			
TWO PLACE DECIMAL ±		COMMENTS:			
THREE PLACE DECIMAL ±					
INTERPRET GEOMETRIC TOLERANCING PER:					
MATERIAL					
NEXT ASSY	USED ON	FINISH			
APPLICATION	DO NOT SCALE DRAWING				

TITLE:		
BACKLIGHT, THIN 1 X 1		
SIZE	DWG. NO.	REV
B	TBLX1	A
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1