MetaBright™ Area Backlight
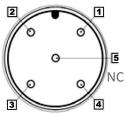## Model#: MB-BL610

Metaphase
Technologies, Inc.

· Up to 50 SMD LED's per inch array makes our backlights the brightest most stable backlights in the industry
· Exclusive optical lens producing even (+/- 5%), shadow-free illumination
· High Density Precision Chip technology
· Patent-pending thermal management design draws heat directly from the die ensuring long life
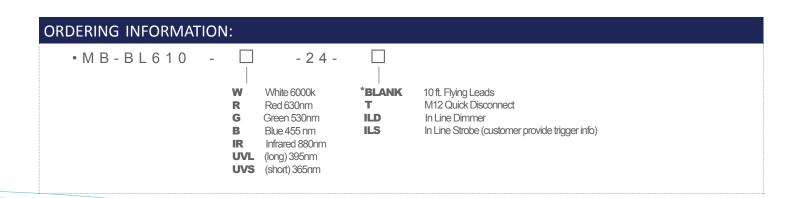· Stable, flicker-free illumination with instant-start operation

Wiring Diagram	
Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	0~10V
GREEN	Signal Ground

M12 Connector	
PIN #	Function
1	+24VDC
3	Ground

NC

Specifications:	
Current Consumption	1.5 ~ 2 Amp @ 24Vdc
Housing	Aluminum
Finish	Powder Coated Black
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	37,000 Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

Active Area	Dimensions
10in x 10in 254mm x 254mm	13in x 12.55in 330.2mm x 318.77mm

ORDERING INFORMATION:

• M B - B L 6 1 0 - ☐ - 2 4 - ☐

W	White 6000k
R	Red 630nm
G	Green 530nm
B	Blue 455 nm
IR	Infrared 880nm
UVL	(long) 395nm
UVS	(short) 365nm

*BLANK	10 ft. Flying Leads
T	M12 Quick Disconnect
ILD	In Line Dimmer
ILS	In Line Strobe (customer provide trigger info)

MetaBright™ Area Backlight
Model#: MB-BL610

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Wavelength (nanometers)	
White (°K)	5500-6500°K
Blue	464-485
Green	520-535
Red	620-630
IRN	880
UVL	395
UVS	365

Contact us:

Contact your Metaphase Technologies Representative for options including: Diffuser Choice, Polarizer & Light Control Film, Specific Intensity & Uniformity, & Wavelength.

Drawing/Diagram

ELECTRICAL CABLE
(4) CONDUCTOR, 22 AWG, 10 FT. LONG
WITH FLYING LEADWIRE ENDS

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REDRAWN IN SOLIDWORKS, KW	9/30/2011	

13.00 [330.20]
12.50 [317.50]
2.52 [63.95]
.25 [6.35]
3.58 [90.93]
1.28 [32.39]
.69 [17.53]
10.00 [254]
10.00 [254]
6.00 [152.40]
12.55 [318.77]
⌀.19 THRU [4.76] (4) PLACES
.50 [12.64]
11.38 [288.93]
.13 [3.18]
.81 [20.65]

METAPHASE TECHNOLOGIES, INC.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL±
ANGULAR: MACH± BEND±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

DRAWN KW 6/30/2011
CHECKED
ENG APPR.
MFG APPR.
Q.A.
COMMENTS:

INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL
FINISH

TITLE:
BACKLIGHT, 10 X 10 INCH

SIZE **B** DWG. NO. BL610 REV **B**

SCALE: NTS WEIGHT: SHEET 1 OF 1

NEXT ASSY   USED ON
APPLICATION   DO NOT SCALE DRAWING