

Area Front Light Model#: FL401



- The lowest cost per square inch LED bar lights for your standard intensity front lighting illumination needs
- Available in 3 different sizes to serve smaller work envelopes, industry proven design for virtually any lighting application
- Solid one-piece machined enclosed aluminum housings and thermal potting assures long life performance even in rugged dust environments
- Shock and Vibration resistant

Part #	Color	Power Supply	Specifications:	
FL401-W-24	White 6000 K	24 volt power supply available upon request.	Current Consumption	0.7A @ 24VDC
FL401-R-24	Red 630nm		Finish	Black Anodized
FL401-B-24	Blue 455nm		Intensity Uniformity	+/-5%
FL401-G-24	Green 530nm		Weight	0.5lbs
FL401-IRN-24	Infrared 850nm		Operating Temperature	120° F Max
FL401-IRL-24	Infrared 880nm		Illuminance	45,000 Lux
FL401-UVL-24	UV 395nm		Compliance	CE/RoHS
FL401-UVS-24	UV 365nm		Lifetime Hours	75,000 Hours

10 ft. flying leads come standard on all products.
Light features built-in constant current driver.
No expensive controller required.

Active Area	Dimensions
2.90in x 5.4in 73.66mm x 137.16mm	Length: 6.6in / 167.51mm Width: 3.4in / 86.36mm Height: 1in / 25.4mm

ORDERING INFORMATION:

• F L 4 0 1 - - 2 4 -

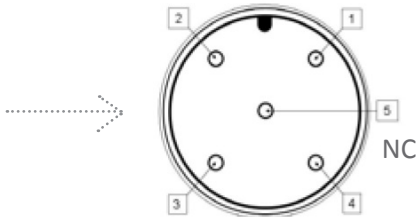
W	White 5500k	*BLANK	10 ft. Flying Leads
R	Red 630nm	T	M12 Quick Disconnect
G	Green 530nm	ILD	In Line Dimmer
B	Blue 455 nm	ILS	In Line Strobe (customer provide trigger info)
IRL	Infrared 880nm		
UVL	(long) 395nm		
UVS	(short) 365nm		

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Wiring Diagram

M12 Connector

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



Flying Leads	Function
RED	+24VDC
BLACK	Ground
WHITE	+24VDC
GREEN	Ground

24 AWG 4 WIRES CABLE X 1

When not using intensity control, connect 0-10V control line to +24 (Max Intensity Control = 25V) and intensity control ground to ground

Drawing/Diagram

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REVISED AND REDRAWN, KW	6/6/2011	
	C	ADDED SHEET #3, KW	6/21/2011	
	D	SHEET 2, .25 WAS .29, ADJUSTED 4-40 HOLE PATTERN, KW	7/27/2011	

ELECTRICAL CORD
CAROL STYLE #C0742A 24 AWG, 10 FT LG
OR D-SUBMINUTURE CONNECTOR

#8-32 UNC X .44 DP
BOTTOM TAP
(2) PLACES
(DO NOT BREAK THRU)

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	KW	6-6-11	
TOLERANCES:			
FRACTIONAL ±			
ANGULAR: MACH ± BEND ±			
TWO PLACE DECIMAL ±			
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL:			
FINISH:			
NEXT ASSY:	USED ON:		
APPLICATION:	DO NOT SCALE DRAWING		

TITLE:
**FRONT LIGHT
3 X 5**

SIZE DWG. NO. REV
B FL401 D

SCALE: 1:2 WEIGHT: SHEET 1 OF 3

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