

**NEW**

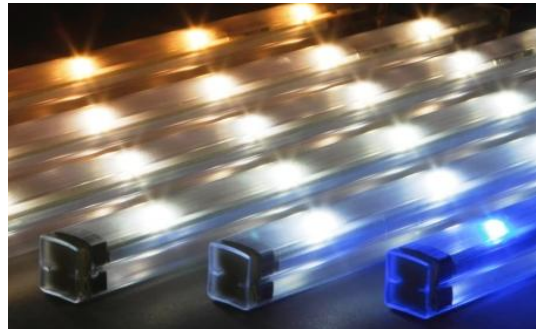


**Energy Efficient, High Quality,  
LED Lighting Products**

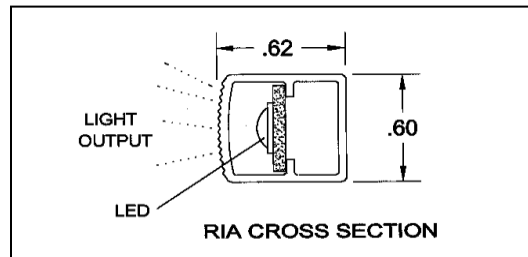
**SERIES RIA  
CUSTOM DESIGNED  
LED ILLUMINATION ASSEMBLIES  
with Nichia RIGEL™ Power LEDs**

Prolume Series RIA Custom Designed LED Illumination Assemblies are built around the proven platform of the standard Series LIA fixtures with the additional enhancement of Rigel™ Power LEDs. Key features include...

- **Nichia Rigel™ Power LEDs**  
Nominally rated 1/2 watt LEDs provide increased light output in a full range of different color temperature whites as well as in colors including blue, green and red.
- **Basic Design**  
Printed wiring boards with surface mounted LEDs on 2" centers and electronics form the basic illumination assembly, which is housed in a sealed, flexible polycarbonate extrusion of application specific length and UL listed for both indoor and outdoor use.
- **Light Distribution**  
Available with 120° beam spread for maximum distribution. Ribbing on the extrusion enhances uniformity.
- **Circuit and Thermal Management**  
Uniquely designed printed wiring boards with proprietary electronic sensing and control components optimize LED performance and provide critical thermal management. **Dimmable** using 0-10VDC signal (Specify).
- **Electrical**  
Assemblies are nominally rated at 24VDC, 150mA, 3.6 watts / foot. They are designed for installation using Class 2 wiring methods. A full range of LED drivers are available. See separate catalog sheet.



**EXTRUSION DETAIL**



**LED SELECTOR**

COLOR	TEMP*	SUFFIX
BLUE	470 nm	- B
GREEN	530 nm	- G
RED	626 nm	- R
WARM WHITE	2800°K	- WWF
WARM WHITE	3400°K	- WWE
COOL WHITE	4300°K	- CWD
COOL WHITE	5100°K	- CWC
COOL WHITE	6000°K	- CWB

\*Color temperatures are averages by bin and may vary over a range. See Range Matrix.

**Fixture Schedule:**

Type	Model Number

**Job:**

**Remarks:**

**ORDERING**

**Specify...**

**SERIES- LENGTH-LED/XX**  
XX (Termination Wiring - Specify)

**Example...**

**MODEL RIA-48-WWE/6T**  
SERIES RIA fixture, 48" length, with 3400°K LEDs and 6' of tray cable home run termination.

## Technical Information

### Color Temperature Range Matrix

Bin	I <sub>f</sub> (mA)	Chromaticity Range		T <sub>cp</sub> (°K)
		x	y	
B	150	(NOT MEASURED)		6000 typ.
C	150	.3419 - .3418	.3546 - .3604	5132 - 5149
D	150	.3656 - .3656	.3622 - .3616	4333 - 4337
E	150	.4061 - .4012	.3807 - .3778	3396 - 3483
F	150	.4546 - .4571	.4168 - .4179	2796 - 2823

Actual measurement data

- Measurement date: August 2, 2006
- Ambient Temperature: 26 degree C
- Relative Humidity: 60%

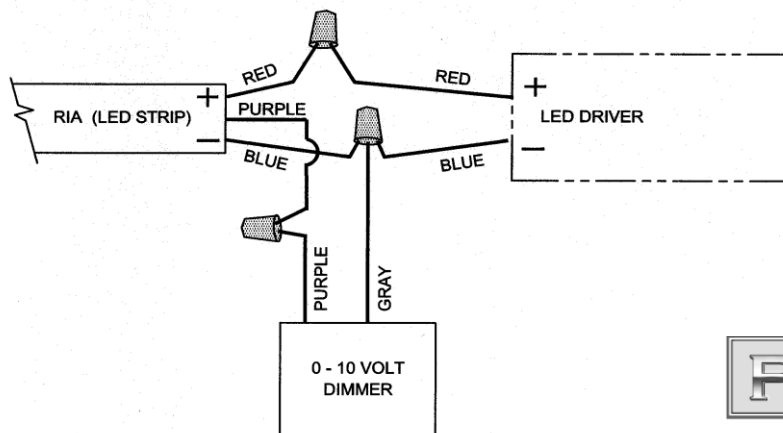
### Termination Wiring (Specify Length and Type when Ordering)

Suffix	Type / Description
18	18 gauge stranded / standard indoor
22	22 gauge stranded / display case typical
T	20/2-wire tray cable / outdoor or indoor
TD	20/3-wire tray cable / dimming applications
PG	Plug/Go connectors / daisy chaining fixtures
OPG	Plug/Go connectors for outdoor applications

Example: "10T-PG" = RIA with 10' tray HR lead and PG connector to next fixture.

### Dimming

An additional buss rail in the wiring board is provided to allow fixtures to be dimmed. When dimming is specified, a third wire is provided in the fixture termination to accept a 0 –10V signal from the dimmer (system or wall pack). Wiring is as follows...



**PROLUME**

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