

PROMOLUX

LED PRODUCT CATALOG



BALANCED FULL SPECTRUM SERIES
FOR THE GRAPHIC ARTS & PRINT INDUSTRY

WHERE COLOR IS CRITICAL!



Balanced Full Spectrum LEDs for the Graphic Arts & Printing Industry

Promolux now offers professionals in the graphic and printing industry the ultimate LED technology and light sources for color matching and quality inspection.

Current advances in lighting technology have rendered obsolete all past methods of measuring quality of light. It's now clear and well documented that the CRI index - developed over 80 years ago and based on 8 color samples (while today we measure over 99 color samples) - is no longer accepted as a measure of color correctness.

Many tools have been developed such as spectrophotometers, colorimeters and densitometers and despite their usefulness, these need to be calibrated to each other, the printing methods, inks and paper used...

When we compare current equipment to our eyes with approximately 120 million rods and over 6 million cone shaped receptors measuring the quality of light and color, we realize that human eye is by far the most reliable tool and the one by which the client will ultimately measure the final results.



We also find that monitors and scanners use RGB color pixels to transmit a mix of colors that does not offer a true black and the printing industry used CMYK where color is measured by its reflectance on a white substrate.

Promolux Balanced Full Spectrum LEDs for the **Printing & Graphic Industry** and all **Color Critical Applications**

are the best way today to perceive colors with maximum saturation, hue, lightness, gamut, color fidelity, and color discrimination as they are created based on the highest Color preference Index possible with today's digital lighting technology. In addition to this Promolux minimizes metameric failures due to the observer, the illuminant, texture of substrate or geometric considerations.

Now available in many standard lamp sizes that save up to 90% energy over non LED sources and can last up to 50.000 hours, thus paying for themselves through their savings. We invite you to try them today.



**Ordinary
LED**



**Promolux
Balanced Full
Spectrum LED**

For more technical information please contact us:

www.promolux.com • info@promolux.com • 1.250.743.1222 • 1.800.519.1222

IT'S AS SIMPLE AS CHANGING YOUR OVERHEAD LIGHT BULBS!

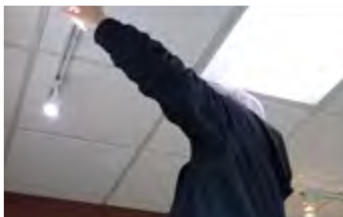


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PLUG-N-PLAY T8 LED



BEFORE:
Ordinary
LEDs

AFTER:
Promolux
LEDs



IDEAL FOR

Replacing all types of T8 fluorescents without changing any electrical wiring. They work with your electronic ballasts. Fastest ROI based on energy saved

SPECIFICATIONS

- G13 Bi-Pin Rotatable & Locking End-Caps
- Plug-n-Play (no wiring changes)
- Replaces T8 Fluorescent Tubes
- Double End Power Input (Polar) - Plug-N-Play
- Single End Power Input (Polar) - Direct Wired
- 134° Beam Angle
- Works with T8 Electronic Ballasts (American)
- Works with T8 Pre-Heat Ballast (European)
- UL Conforming
- High Brightness/ 80 CRI
- Up to 60% Energy savings
- Average 50,000 Hours Life Span

Size	Model Number (American)	Model Number (European)	Watts	Type	Length (mm)	Length (in)	Replaces Fluorescent (American)	Replaces Fluorescent (European)	Lumens	Lumens per Watt	Color
2ft	T8P-PL-24C*	T8P-PL-600C*	8	Canopy	600	24	F17 T8	L18 T8	644	78	Premium White
3ft	T8P-PL-36C*	T8P-PL-900C*	14	Canopy	900	36	F25 T8	L30 T8	1140	78	Premium White
4ft	T8P-PL-48C*	T8P-PL-1200C*	18	Canopy	1200	48	F32 T8	L36 T8	1500	83	Premium White
5ft	T8P-PL-60C	T8P-PL-1500C	22	Canopy	1500	60	F40 T8	L58 T8	1880	95	Premium White
3ft	T8P-PL-36S	T8P-PL-900S	7	Shelf	900	36	F25 T8	L30 T8	684	97	Premium White
4ft	T8P-PL-48S	T8P-PL-1200S	9	Shelf	1200	48	F32 T8	L36 T8	900	100	Premium White
5ft	T8P-PL-60S	T8P-PL-1500S	11	Shelf	1500	60	F40 T8	L58 T8	1128	102	Premium White

Also available in Platinum color by changing PW to PL in Model Number



FLEXIBLE STRIP LED






Driver:
E477240

WORKS WITH EXTERNAL LED DRIVER
(24V Constant Voltage)
Sold Separately

IDEAL FOR

Cove and perimeter lighting as well as to add light in small areas with little space for fixtures

SPECIFICATIONS

- Available in 16ft (5m) Rolls
- Dimmable
- IP67
- SMD 2835 LED
- 55W (16ft/5m Roll)
- 11W/m
- 330lm/f
- Cutttable (Marked on LED Tape)
- Joinable (Using Connector Accessory)
- 120° Beam Angle
- 12V Driver/Transformer
- Rated life: 50 000 hrs
- Voltage input: DC 12V



OPERATING CONDITIONS

- Secures With: 3M™ High-Strength Acrylic Adhesive 300LSE
- Storage temperature: -40°C to 80°C
- Operating Temperature: -25°C to 60°C
- Working Voltage: DC 12V
- Installation surface must be smooth, clean & dry
- Do not exceed 16ft length per DC 12V Driver

Model Number	Watts	Lumens (16ft Roll)	Lumens per Watt	Color
FLEX-PL-16-55	55	4675	85	Platinum
FLEX-PW-16-55	55	4675	85	Premium White
FLEX-HD-16-55	55	4675	85	HD35
FLEX-RW4-16-55	55	4675	85	RW4

SLIMLINE BAR LED



**WORKS WITH
EXTERNAL LED DRIVER**
(24V Constant Voltage)
Sold Separately



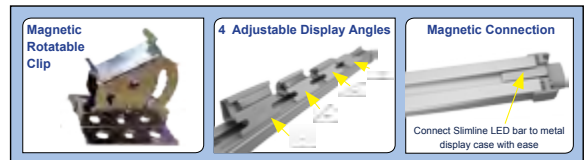
IDEAL FOR

Cove, shelf and under-shelf lighting, along the edge of mullions, doors or cabinets, vertical as well horizontal alignment

SPECIFICATIONS

IP65
CRI: > 80
Power Factor: > 0.9
Rated Life: 50 000 hrs
Voltage Input: 24V
Chips: 2835

MOUNTING OPTIONS



CONNECTING OPTIONS



Size	Model Number	Watts	Type	Length (mm)	Length (in)	Lumens	Lumens per Watt	Color
1ft	SB-PW-10C	4	Canopy	254	10	310	78	Premium White
2ft	SB-PW-22C	11	Canopy	549	22	860	78	Premium White
3ft	SB-PW-34C	16	Canopy	849	34	1300	81	Premium White
4ft	SB-PW-46C	22	Canopy	1149	46	1800	82	Premium White
5ft	SB-PW-58C	28	Canopy	1449	58	2200	80	Premium White
3ft	SB-PW-34S	11	Shelf	849	34	1080	98	Premium White
4ft	SB-PW-46S	14	Shelf	1149	46	1320	94	Premium White

* Also available in Platinum color by changing PW to PL in Model Number



SLIMLINE WEDGE LED



**WORKS WITH
EXTERNAL LED DRIVER**
(24V Constant Voltage)
Sold Separately



IDEAL FOR

Cove, shelf and under-shelf lighting, along the edge of mullions, doors or cabinets, vertical as well horizontal alignment

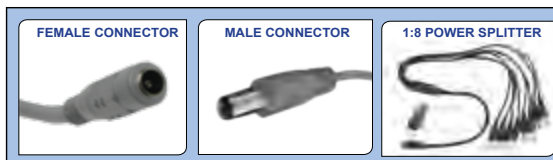
MOUNTING OPTION



SPECIFICATIONS

IP44
CRI: > 80
Power Factor: > 0.9
Rated Life: 50 000 hrs
Voltage Input: 24V
Chips: 2835

CONNECTING OPTIONS



Size	Model Number	Watts	Type	Length (mm)	Length (in)	Lumens	Lumens per Watt	Color
1ft	SW-PW-10C	4	Canopy	254	10	310	78	Premium White
2ft	SW-PW-22C	11	Canopy	549	22	860	78	Premium White
3ft	SW-PW-34C	16	Canopy	849	34	1300	81	Premium White
4ft	SW-PW-46C	22	Canopy	1149	46	1800	82	Premium White
5ft	SW-PW-58C	28	Canopy	1449	58	2200	80	Premium White
3ft	SW-PW-34S	11	Shelf	849	34	1080	98	Premium White
4ft	SW-PW-46S	14	Shelf	1149	46	1320	94	Premium White

* Also available in Platinum color by changing PW to PL in Model Number

T8 RETROFIT LED



Driver:
E477240

**WORKS WITH
EXTERNAL LED DRIVER**
(24V Constant Voltage)
Sold Separately

IDEAL FOR

Replacing T8 & T12 fluorescent where the ballast is changed to an external LED driver

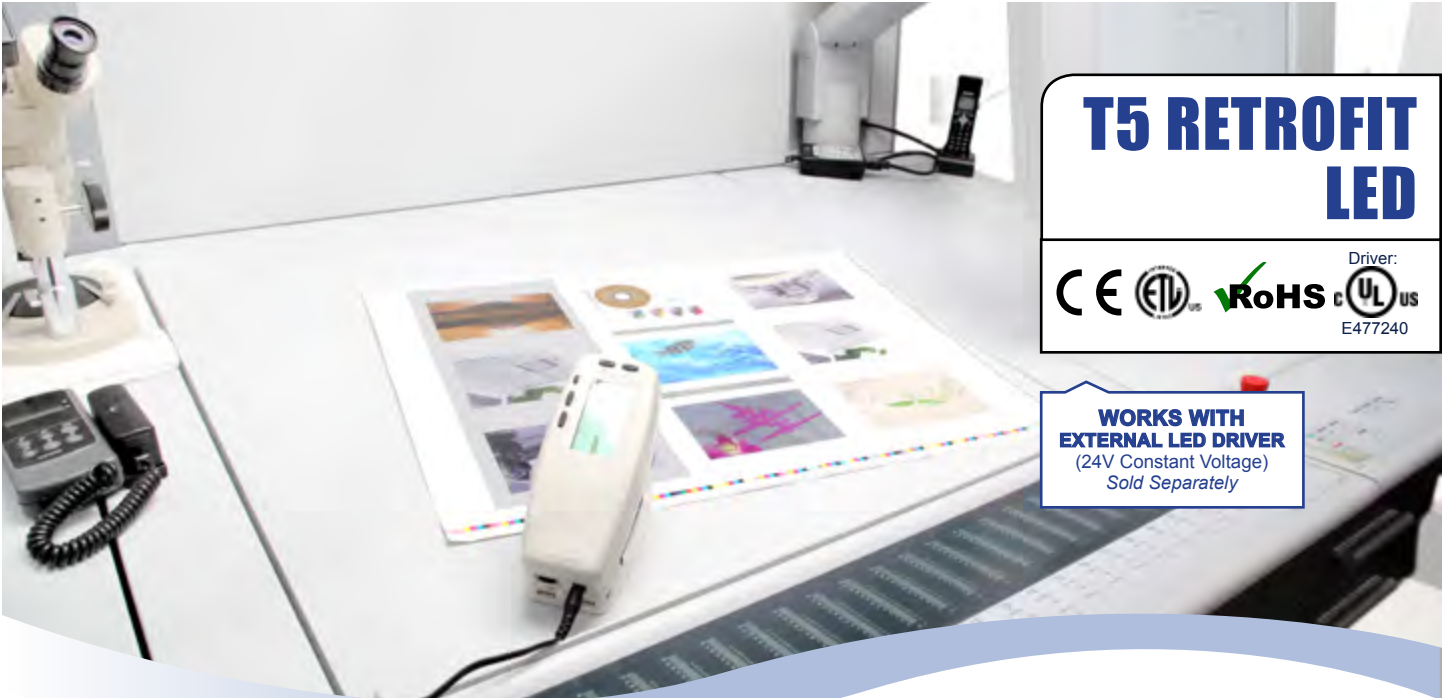
SPECIFICATIONS

G13 Bi-Pin Rotating & Locking End-Caps
External Power Supply (External Driver)
IP55
Replaces T8 Fluorescent Tubes
Double End Power Input (Polar)
185° Beam Angle
DC 24V
UL Conforming
High Brightness/ 80 CRI
Up to 60% Energy savings
Average 50,000 Hours Life Span
5 Year Warranty



Size	Model Number	Watts	Type	Length (mm)	Length (in)	Replaces Fluorescent	Lumens	Lumens per Watt	Color
18"	T8-PW-18C	7	Canopy	450	18	F15 T8	580	83	Premium White
2ft	T8-PW-24C	9	Canopy	600	24	F17 T8	644	72	Premium White
3ft	T8-PW-36C	14	Canopy	900	36	F25 T8	1140	78	Premium White
4ft	T8-PW-48C	18	Canopy	1200	48	F32 T8	1500	83	Premium White
5ft	T8-PW-60C	22	Canopy	1500	60	F40 T8	1880	95	Premium White
3ft	T8-PW-36S	7	Shelf	900	36	F25 T8	684	97	Premium White
4ft	T8-PW-48S	9	Shelf	1200	48	F32 T8	900	100	Premium White

* Also available in Platinum color by changing PW to PL in Model Number



T5 RETROFIT LED

CE ETL RoHS Driver: UL US E477240

WORKS WITH EXTERNAL LED DRIVER
 (24V Constant Voltage)
Sold Separately



IDEAL FOR

Locations where T5 fluorescents are being replaced with LEDs

SPECIFICATIONS

- G5 Bi-Pin End-Caps
- External Power Supply (External Driver)
- IP55
- Replaces T5 Fluorescent Tubes
- Double End Power Input (Polar)
- 180° Beam Angle
- DC 24V
- UL Conforming
- High Brightness/ 80 CRI
- Up to 60% Energy savings
- Average 50,000 Hours Life Span
- 5 Year Warranty

Size	Model Number	Watts	Type	Length (mm)	Length (in)	Replaces Fluorescent	Lumens	Lumens per Watt	Color
1ft	T5-PW-10C	7	Canopy	305	10	F8 T5	580	83	Premium White
2ft	T5-PW-22C	8	Canopy	549	22	F14 T5	644	80	Premium White
3ft	T5-PW-34C	10	Canopy	849	34	F21 T5	1140	114	Premium White
4ft	T5-PW-46C	15	Canopy	1149	46	F28 T5	1500	100	Premium White
5ft	T5-PW-58C	20	Canopy	1449	58	F35 T5	1880	94	Premium White
3ft	T5-PW-34S	5	Shelf	849	34	F21 T5	550	110	Premium White
4ft	T5-PW-46S	8	Shelf	1149	46	F28 T5	850	94	Premium White

* Also available in Platinum color by changing PW to PL in Model Number

LOW PROFILE STICK LED



**WORKS WITH
EXTERNAL LED DRIVER**
(24V Constant Voltage)
Sold Separately

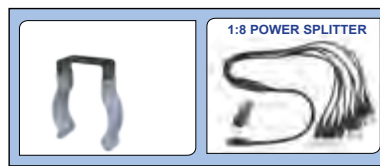
IDEAL FOR

Locations where currently there are no linear fluorescents and a hard wired high IP solution is preferred

SPECIFICATIONS

For New Equipment or Retrofit
IP65
Single End Power Input with Wire Lead
180° Beam Angle - Rotatable 360°
DC 24V
UL Conforming
High Brightness/ >80 CRI
Up to 60% Energy savings
Average 50,000 Hours Life Span
External Power Supply (External Driver)
5 Year Warranty

ACCESSORIES



Size	Model Number	Watts	Type	Length (mm)	Length (in)	Lumens	Lumens per Watt	Color
1ft	LS-PW-10C	7	Canopy	254	10	580	83	Premium White
2ft	LS-PW-22C	8	Canopy	549	22	644	80	Premium White
3ft	LS-PW-34C	10	Canopy	849	34	1140	114	Premium White
4ft	LS-PW-46C	15	Canopy	1149	46	1500	100	Premium White
5ft	LS-PW-58C	20	Canopy	1449	58	1880	94	Premium White
3ft	LS-PW-34S	5	Shelf	849	34	550	110	Premium White
4ft	LS-PW-46S	8	Shelf	1149	46	850	94	Premium White

* Also available in Platinum color by changing PW to PL in Model Number



IDEAL FOR

Locations where track lights are to be replaced and where more light is required from high ceilings

SPECIFICATIONS

Proprietary CCT Options: 3000K, 4000K, 5000K
 Energy Star, ETL, and UL Certification
 23W, 36W, 45W

CRI: > 90 (depending on CCT option)

Optional Dimmable Driver: 100% to 10%

High Power Factor: Over 0.95

Anti-glare Lens

White, Black, and Silver Finish

Cree COB Chips

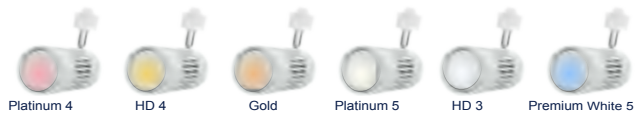
Voltage : AC 120V, AC240V, AC100-240V

Beam Angle: 24°, 38°, 60°

Compatible Track Systems: Halo, Juno, Lightolier



Model Number	Watts	Lumens (36W)	Watts	Lumens (45W)	Color
TRACK-PL4-4-3	36	2400	45	4100	Platinum 4
TRACK-HD4-4-2	36	2400	45	4100	HD 4
TRACK-GOLD-3-2	36	2300	45	4000	Gold
TRACK-PL5-5-2	36	2500	45	4200	Platinum 5
TRACK-HD3-3-3	36	2300	45	4000	HD 3
TRACK-PW5-5-3	36	2500	45	4200	Premium White 5



(Colors in icons are simplified and exaggerated for clarity)

(Consult us for best options in lighting fresh foods and other applications)

PAR38 & PAR30 LED



Driver:
E477240



PAR 38

20W



13W *(Available while supplies last)*



IDEAL FOR

Replacing PAR lamps as well as MR16 and GU10, and for locations that need additional light from high ceilings

SPECIFICATIONS

Superior Thermal Management
COB Technology
Long life: 3 Year Warranty
Reduce Energy Consumption up to 76%
Lasts up to 20 times longer than halogen
Instant full light output & stable color
120 V - 240 V



PAR 30

15W



9W

(Available while supplies last)



Model Number	Watts	Power Factor	Lumens	Color
PAR38-PL-4101	13	>0.9	1060	Platinum
PAR38-PW-0101	13	>0.9	1060	Premium White
PAR38-PL-4102	20	>0.9	1630	Platinum
PAR38-PW-0102	20	>0.9	1630	Premium White
PAR30-PL-4101	9	>0.9	730	Platinum
PAR30-PW-0101	9	>0.9	730	Premium White
PAR30-PL-15	15	>0.9	1200	Platinum
PAR30-PW-15	15	>0.9	1200	Premium White



MR16 & GU10 LED



IDEAL FOR

Replacing MR16 and GU10 lights and where additional color corrected accent or task lighting is needed

SPECIFICATIONS

- UV & IR free
- Mercury & Lead Free
- Excellent Color Quality
- Superior Thermal Management
- COB Technology
- Long life: 3 Year Warranty
- Reduce Energy Consumption up to 76%
- Lasts up to 20 times longer than halogen
- No Warm up time
- Instant full light output & stable color



GU10

MR16



Model Number	Watts	Lumens	Color
GU10-PL-24-7	7	630	Platinum
GU10-PL-4101**	5	450	Platinum
GU10-PW-24-7	7	630	Premium White
MR16-PL-24-7	7	630	Platinum
MR16-PW-4101**	5	450	Platinum
MR16-PW-24-7	7	630	Premium White

***Available while supplies last*

LED DRIVER

MODEL NUMBER

6124088

24V 88W 100~240VAC

CONSTANT VOLTAGE

CLASS 2 DRY OR DAMP

LOCATIONS



ELECTRICAL SPECIFICATIONS

Input Rated Voltage:	100~240Vac
Input Frequency:	50/60 Hz
Input Power:	100W
Power Factor:	>95%
Efficiency:	>85%
Total Harmonic Distortion:	<20%
Output Power:	88W
Output Voltage:	24V dc
Output Current:	3.3A dc

CERTIFICATIONS

UL 8750, UL 1310, Class 2 Power Supply Intertek ETL, cUL
IEC 61347-1, IEC 61347-2-13



UL Class 2 drivers comply with standard UL1310, meaning output is considered safe to contact and no major safety protection is required at the LED / luminaire level. There is no risk of fire or electric shock. These drivers operate using less than 60 volts in dry applications, 30 volts in wet applications, less than 5 amps, and less than 100 watts.

PHYSICAL SPECIFICATIONS

Low Profile Design:	11"L x 1.69"W x 1.08"H 280mmL x 43mmW x 27.5 mmH
Weight:	22.4 oz / 635g
Input Wires:	L (Black), N (White)
Output Wires:	Positive (Red), Negative (Black)
Metal Enclosure:	200 mm/7.87" Conforming to SELV

SAFETY

Class 2 Power Supply
SELV Output
Over Current Protection, Short Circuit Protection, Over
Voltage Protection, Over Temperature Protection
UL Recognized Component
Intertek ETL Certified

ENVIRONMENTAL SPECIFICATIONS

Working Temperature (ta):	-30oC to 60oC / -22oF to 140oF
Case Temperature (tc):	-40oC to 85oC / -40oF to 185oF
Operating Humidity:	Dry or Damp Locations 10% - 90%
Storage Humidity:	Dry or Damp Locations 5% - 95%

EMC

Emission:	Complies with EN 55015 Class B, EN61000-3-2 Class C, EN 61000-3-3, FCC Part 15 Class B
Immunity:	Complies with EN61547, FCC 47 CFR Part 15, CISPR 22

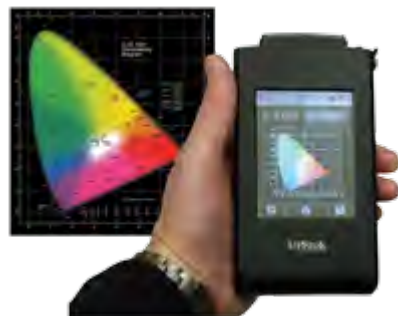


**CUSTOMIZABLE
OPTIONS**



WE SPECIALIZE IN CUSTOM
COLORS FOR APPLICATIONS
WHERE COLOR IS
CRITICAL

- Unique high definition colors with saturated CCT from 2500K to 6500K
- Rigid LED sticks, T8 or T5 LED tubes
- All sizes - including non-standard sizes from 12" to 96"
- PAR LEDs, spots, down lights and other accent lighting
- Customized lumen per foot for shelf lighting
- IP 65 and higher
- 5 Year Warranty
- DLC, UL, CE, VDE, CUL Certifications and LM79 & LM80 reports
- Food-specific and non-food applications



**PLEASE CONSULT US FOR YOUR SPECIAL REQUIREMENTS
AS WELL AS ON-GOING PRODUCT AND SPECIFICATION UPDATES**



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