

PROMOLUX

HEALTH APPLICATIONS LED PRODUCT CATALOG



BALANCED FULL SPECTRUM SERIES
FOR THE HEALTH INDUSTRY

WHERE COLOR IS CRITICAL!

PROMOLUX

Balanced Spectrum LEDs for Health Applications

Lighting is well documented to play a major role in health and medical applications. Its effects can affect moods, our hormonal balance as well as our eyes which act as photo receptors that translate the electromagnetic radiation into colors.

Promolux Lighting has been a pioneer in research & development of custom color lighting solutions for many industries since 1985 in Canada.

The world of lighting has been revolutionized recently by the LED technology which has allowed for infinite new impossible to accomplish with older lighting systems.

One such area is that of better color definition. As a result of this, old criteria like CRI (Color Rendering Index) have become inadequate as a measure of quality of color definition.

Promolux has since its early days relied on the CPI rating (Color Preference Index) developed by Dr. William Thornton, the leading scientist in colorimetry of light. The main difference is that CPI is based on human eye perception and CRI has been a formula that may have worked in its early years when the main light sources were the Edison incandescent and later the common fluorescents.



Promolux LEDs currently offer a variety of high CPI light sources formulated for health and medical applications that are dramatically better for color discrimination than any other LED or light source we know of at the present time.

We completed successful installations for applications such as Dermatological Examinations, Dental Prosthesis, Cosmetic Surgery and treatments, Laboratory analysis, Gynecology, ENT, Seasonal Affectation Disorder (SAD), Cardiology, Hospital Operating Theaters, Patient's rooms, nurses stations, and in all areas of medical practice where precise true color discrimination and visual acuity are critical.



**Standard
LED Light
5500 K**



**Promolux
Balanced Full
Spectrum Light**

For more information please visit our website or contact us:

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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



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



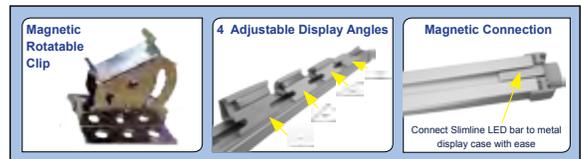
IDEAL FOR

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



**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



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



TRACK HEAD LED











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



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**

Driver:




 E477240

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



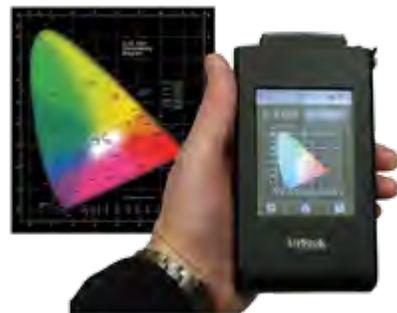
**CUSTOMIZABLE
OPTIONS**



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

PROMOLUX
LIGHTING INTERNATIONAL



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



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