Balanced Spectrum LEDs
Specifically Designed for the
SUPERMARKET INDUSTRY

THE ONLY LED THAT BRINGS OUT THE
TRUE COLOR
OF YOUR FRESH FOOD DISPLAYS

2021
FOOD-SAFE SPECTRUM

Premenux LEDs eliminate the portions of visible spectrum that damage fresh food increasing shelf life by 1-3 days!

Savings in reduced shrink offset the cost of Premenux LEDs in as little as 90 days

Promenux LEDs are ideal for protecting and merchandising meat, seafood, produce, deli & prepared foods, bakery, ice cream & gelato and floral

FOOD-SPECIFIC DESIGN

- No shadows or dark spots
- High brightness at low power
- Superior thermal management
- Cooler physical temperature
- Perfect when close to food
- High IP - Safe for misting systems
LEDs Designed Specifically for Supermarkets & Grocery Stores

FOOD-SAFE MERCHANDISING

Before: 3500K

- Vibrant, natural displays
- Creates a visual “wow” in your case
- Generates impulse sales
- Shows food in the best possible light
- Differentiates you from other stores

After: Promolux LEDs

PLUG-N-PLAY T8 LED
FLEXIBLE TAPE LED
SLIMLINE BAR LED
PAR30 LED

These are just a few of our LEDs. Information about all sizes, types and custom options is available by calling us Toll Free: 1-800-519-1222 or Emailing: info@promolux.com
IDEAL FOR
Service & Multi-Deck: Meat, Seafood, Dairy, Deli & Prepared Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream/Gelato

SPECIFICATIONS
G13 Bi-Pin Rotatable & Locking End-Caps
Plug-n-Play (no wiring changes)
Replaces T8 Fluorescent Tubes
Works with T8 Electronic Ballasts (Type A LED)
Single End Power Input (Polar) when Direct Wired (Type B LED)
134° Beam Angle
UL Conforming
IP54
High Brightness/ 80 CRI
High R9/R12 Values
Up to 60% Energy savings
Average 50,000 Hours Life Span

<table>
<thead>
<tr>
<th>Size</th>
<th>Model Number</th>
<th>Watts</th>
<th>Type</th>
<th>Length (mm) (Nominal)</th>
<th>Length (in) (Nominal)</th>
<th>Replaces Fluorescent</th>
<th>Lumens</th>
<th>Lumens per Watt</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2ft</td>
<td>T8PNP-PL-24C+</td>
<td>8</td>
<td>Canopy</td>
<td>600</td>
<td>24</td>
<td>F17 T8</td>
<td>880</td>
<td>110</td>
<td>Platinum</td>
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<tr>
<td>3ft</td>
<td>T8PNP-PL-36C+</td>
<td>14</td>
<td>Canopy</td>
<td>900</td>
<td>36</td>
<td>F25 T8</td>
<td>1582</td>
<td>113</td>
<td>Platinum</td>
</tr>
<tr>
<td>4ft</td>
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<td>18</td>
<td>Canopy</td>
<td>1200</td>
<td>48</td>
<td>F32 T8</td>
<td>2070</td>
<td>115</td>
<td>Platinum</td>
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<tr>
<td>5ft</td>
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<td>60</td>
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<td>Platinum</td>
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<td>Shelf</td>
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<td>36</td>
<td>F25 T8</td>
<td>791</td>
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<tr>
<td>4ft</td>
<td>T8PNP-PL-48S+</td>
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<td>Shelf</td>
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<td>F32 T8</td>
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<td>Platinum</td>
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Specifications subject to change without notice. Contact us for more information.
IDEAL FOR

Service & Multi-Deck: Meat, Seafood, Dairy, Deli & Prepared Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream/Gelato

SPECIFICATIONS

G13 Bi-Pin Rotatable & Locking End-Caps
Plug-n-Play (no wiring changes)
Replaces T8 Fluorescent Tubes
Works with T8 Pre-Heat Ballasts (Type A LED)
Dual End Power Input when Direct Wired (Type B LED)
134° Beam Angle
UL Conforming
High Brightness/ 80 CRI
High R9/R12 Values
Up to 60% Energy savings
Average 50,000 Hours Life Span

<table>
<thead>
<tr>
<th>Size</th>
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<th>Watts</th>
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<th>Replaces Fluorescent</th>
<th>Lumens</th>
<th>Lumens per Watt</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
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<td>T8PNP-PL-0600C+</td>
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<td>Canopy</td>
<td>600</td>
<td>24</td>
<td>L18 T8</td>
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<td>36</td>
<td>L30 T8</td>
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<td>T8PNP-PL-1200C+</td>
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<tr>
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<td>Canopy</td>
<td>1500</td>
<td>60</td>
<td>L58 T8</td>
<td>2508</td>
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<td>T8PNP-PL-0900S+</td>
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<td>Shelf</td>
<td>900</td>
<td>36</td>
<td>L30 T8</td>
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<td>L36 T8</td>
<td>1035</td>
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<td>Platinum</td>
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<tr>
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<td>T8PNP-PL-1500S+</td>
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<td>Shelf</td>
<td>1500</td>
<td>60</td>
<td>L58 T8</td>
<td>1243</td>
<td>113</td>
<td>Platinum</td>
</tr>
</tbody>
</table>

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IDEAL FOR
Service & Multi-Deck: Meat, Seafood, Dairy, Deli & Prepared Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream/Gelato

SPECIFICATIONS
Connectable in a Series up to 150W
IP65
226° Beam Angle
CRI: > 80
High R9 & R12 Values
Power Factor: > 0.9
Rated Life: 50 000 hrs
Voltage Input: 24V
Chips: 2835
Color: Platinum

<table>
<thead>
<tr>
<th>Size</th>
<th>Model Number</th>
<th>Watts</th>
<th>Type</th>
<th>Length (mm) (Nominal)</th>
<th>Length (in) (Nominal)</th>
<th>Lumens</th>
<th>Lumens per Watt</th>
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<tbody>
<tr>
<td>1ft</td>
<td>SB-PL-10C</td>
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<td>SB-PL-22C</td>
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<td>Canopy</td>
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<td>860</td>
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<td>3ft</td>
<td>SB-PL-34C</td>
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<td>Canopy</td>
<td>849</td>
<td>34</td>
<td>1300</td>
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<tr>
<td>4ft</td>
<td>SB-PL-46C</td>
<td>18</td>
<td>Canopy</td>
<td>1149</td>
<td>46</td>
<td>1800</td>
<td>82</td>
</tr>
<tr>
<td>5ft</td>
<td>SB-PL-58C</td>
<td>22</td>
<td>Canopy</td>
<td>1449</td>
<td>58</td>
<td>2200</td>
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<table>
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<tr>
<th>Size</th>
<th>Model Number</th>
<th>Type</th>
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<th>Length (in) (Nominal)</th>
<th>Lumens per Watt</th>
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<tr>
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<td>SB-PL-34S</td>
<td>Shelf</td>
<td>849</td>
<td>34</td>
<td>1080</td>
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<tr>
<td>4ft</td>
<td>SB-PL-46S</td>
<td>Shelf</td>
<td>1149</td>
<td>46</td>
<td>1320</td>
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<tr>
<td>5ft</td>
<td>SB-PL-58S</td>
<td>Shelf</td>
<td>1449</td>
<td>58</td>
<td>990</td>
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ACCESSORIES
1. Mouting Screws
2. 0° Mouting Clip
3. 30° Mouting Clip
4. 45° Mouting Clip
5. 60° Mouting Clip
6. Mounting Magnets
7. Power Cord
8. Connector Cord/Jumper
9. M to F DC 5mm Power Splitter
10. M to F DC 39° DC 5mm Extmns Cord
11. M to F 6° DC 5mm Extmns Cord
12. Rotatable Metal Clips (2-Pack)

Included
Optional Purchase

Specifications subject to change without notice. Contact us for more information.
FLEXIBLE TAPE LED
Works with 24V Constant Voltage LED Driver (Sold Separately)

Specifications subject to change without notice. Contact us for more information.

Promolux Installed:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watts (16ft Roll)</th>
<th>Lumens</th>
<th>Lumens per Watt</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>FLEX24-PL-72-16</td>
<td>72</td>
<td>7416</td>
<td>103</td>
<td>Platinum</td>
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</tbody>
</table>

IDEAL FOR
Curved glass display cases, freezer & cooler doors, display cases with tight space requirements, corners, shelves, cosmetic counters, makeup & jewelry displays

SPECIFICATIONS
Available in 16ft (5m) Rolls
IP67
SMD 2835 LED
72W (16ft/5m Roll)
14.4W/m
463.5lm/f
Cuttable (Marked on LED Tape)
Joinable (Using Connector)
CRI: > 80
High R9 & R12 Values
120˚ Beam Angle
Rated life: 50 000 hrs
Voltage input: DC 24V

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 24V
Installation surface must be smooth, clean & dry
Do not exceed 16ft length per DC 24V Driver

www.promolux.com • info@promolux.com • 1.250.743.1222 • 1.800.519.1222
# 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  
High R9 & R12 Values  
Up to 60% Energy savings  
Average 50,000 Hours Life Span

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## IDEAL FOR

Service & Multi-Deck: Meat, Seafood, Dairy, Deli, Prepared & Frozen Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream/Gelato

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<td>1200</td>
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<td>Platinum</td>
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<td>Platinum</td>
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<td>7</td>
<td>Shelf</td>
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<td>36</td>
<td>F25 T8</td>
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<td>Shelf</td>
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<td>48</td>
<td>F32 T8</td>
<td>1035</td>
<td>115</td>
<td>Platinum</td>
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</tbody>
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Promolux Installed:

IDEAL FOR
Service & Multi-Deck: Meat, Seafood, Dairy, Deli, Prepared & Frozen Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream/Gelato

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
High R9 & R12 Values
Up to 60% Energy savings
Average 50,000 Hours Life Span

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<thead>
<tr>
<th>Size</th>
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<td>4ft</td>
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<td>F28 T5</td>
<td>2070</td>
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<td>Platinum</td>
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<td>T5-PL-58C+</td>
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<td>Platinum</td>
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<td>Shelf</td>
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<td>F21 T5</td>
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<td>Platinum</td>
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<td>4ft</td>
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<td>Shelf</td>
<td>1149</td>
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<td>F28 T5</td>
<td>1035</td>
<td>115</td>
<td>Platinum</td>
</tr>
</tbody>
</table>

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LOW PROFILE 24V
STICK LED

Works with 24V Constant Voltage LED Driver (Sold Separately)

Size | Model Number | Watts | Type | Length (mm) (Nominal) | Length (in) (Nominal) | Lumens | Lumens per Watt | Color
--- | --- | --- | --- | --- | --- | --- | --- | ---
1ft | LS-PL-10C+ | 7 | Canopy | 249 | 10 | 785 | 115 | Platinum
2ft | LS-PL-22C+ | 8 | Canopy | 549 | 22 | 880 | 110 | Platinum
3ft | LS-PL-34C+ | 10 | Canopy | 849 | 34 | 1582 | 113 | Platinum
4ft | LS-PL-46C+ | 15 | Canopy | 1149 | 46 | 2070 | 115 | Platinum
5ft | LS-PL-58C+ | 20 | Canopy | 1449 | 58 | 2508 | 114 | Platinum
3ft | LS-PL-34S+ | 5 | Shelf | 849 | 34 | 791 | 113 | Platinum
4ft | LS-PL-46S+ | 8 | Shelf | 1149 | 46 | 1035 | 115 | Platinum

**IDEAL FOR**
Olive Bars, Service & Multi-Deck:
Meat, Seafood, Dairy, Deli, Prepared & Frozen Foods, Floral, Produce, Bakery, Salad Bars & Ice Cream, Tight Space Requirements

**SPECIFICATIONS**
For New Equipment or Retrofit
IP65
Single End Power Input with Female DC 5mm Plug Lead
180° Beam Angle - Rotatable 360°
DC 24V
UL Conforming
High Brightness/ >80 CRI
High R9 & R12 Values
Up to 60% Energy savings
Average 50,000 Hours Life Span

Promolux Installed:

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**IDEAL FOR**
Supermarkets, Grocery Stores, Convenience Stores, Delicatessens, & Restaurants as Accent, Spot, Task, Track & Recessed Lighting

**SPECIFICATIONS**
Superior Thermal Management
Beam Angle: 25°
E27 Base
LED Source: SMD3030
Power Factor: >0.95
Long life: 2 Year Warranty
Reduces Energy Consumption up to 76%
Lasts up to 20 times longer than halogen
Instant full light output & stable color
High Brightness/ >82 CRI
High R9 & R12 Values
Material: Die Cast Aluminum Heat Sink
IP44
Life Span 50,000 hrs

**OPERATING CONDITIONS**
Operating Temperature: -20°C to 45°C
Working Voltage: AC 85-265V
50-60Hz

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**Promolux Installed:**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Watts</th>
<th>Lumens</th>
<th>Lumens per Watt</th>
<th>Color</th>
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## ELECTRICAL SPECIFICATIONS

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<th>80W</th>
<th>120W</th>
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<tbody>
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<td>100~240Vac</td>
<td>100~240Vac</td>
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<tr>
<td>Input Frequency:</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
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<tr>
<td>Input Power:</td>
<td>100W</td>
<td>100W</td>
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<tr>
<td>Power Factor:</td>
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<td>&gt;95%</td>
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<tr>
<td>Efficiency:</td>
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<tr>
<td>Total Harmonic Distortion:</td>
<td>&lt;20%</td>
<td>&lt;20%</td>
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<td><strong>Output Power</strong></td>
<td><strong>80W</strong></td>
<td><strong>120W</strong></td>
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<tr>
<td><strong>Output Voltage</strong></td>
<td><strong>24V dc</strong></td>
<td><strong>24V dc</strong></td>
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<td><strong>Output Current</strong></td>
<td><strong>3.3A dc</strong></td>
<td><strong>3.3A dc</strong></td>
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## PHYSICAL SPECIFICATIONS

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<th></th>
<th>80W</th>
<th>120W</th>
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</thead>
<tbody>
<tr>
<td>Low Profile Design:</td>
<td>6(\frac{1}{16}) L x 2(\frac{3}{8}) W x 1(\frac{1}{8}) H</td>
<td>8(\frac{1}{16}) L x 2(\frac{3}{8}) W x 1(\frac{1}{8}) H</td>
</tr>
<tr>
<td>Weight:</td>
<td>1.65 Lbs / 750g</td>
<td>2 Lbs / 950g</td>
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<tr>
<td>Input Wires:</td>
<td>L (Black), N (White)</td>
<td>L (Black), N (White)</td>
</tr>
<tr>
<td>Output Wires:</td>
<td>Positive (Red), Negative (Black)</td>
<td>Positive (Red), Negative (Black)</td>
</tr>
<tr>
<td>Enclosure:</td>
<td>200 mm/7.87” Conforming to SELV</td>
<td>200 mm/7.87” Conforming to SELV</td>
</tr>
</tbody>
</table>

## ENVIRONMENTAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>80W</th>
<th>120W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Temperature (ta):</td>
<td>-30˚C to 60˚C / -22˚F to 140˚F</td>
<td></td>
</tr>
<tr>
<td>Case Temperature (tc):</td>
<td>-40˚C to 85˚C / -40˚F to 185˚F</td>
<td></td>
</tr>
<tr>
<td>Operating Humidity:</td>
<td>Dry or Damp Locations 10% - 90%</td>
<td></td>
</tr>
<tr>
<td>Storage Humidity:</td>
<td>Dry or Damp Locations 5% - 95%</td>
<td></td>
</tr>
</tbody>
</table>

## NOTATIONS

These 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.

## 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

## 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
The example diagrams below help give a visual of the Promolux Platinum color spectrum in comparison with 4000K, 3000K, 3500K spectrums

**4000K Spectrum**
“Cool White”
Emphasis on Light Blue & Light Green

- Colors have no “pop” / dull
- This light sucks color from everything
- Whites have slight blue overwash

**3000K Spectrum**
“Warm White”
Emphasis on Yellow

- Colors have yellow overwash, dulling them
- Makes red meat look very orangey brown
- Whites have full yellow overwash

**3500K Spectrum**
Yellowish Orange

- Colors have yellow overwash
- Makes red meat look orangey brown
- Whites have full yellow tinge

**Promolux PLATINUM**

- All colors are deep, saturated & vibrant
- Ideal for meat, seafood, produce, deli & floral merchandising
- Whites are clean, crisp & vivid

*This is not a ‘white’ light LED. It’s a Balanced Spectrum LED where all colors ‘pop’ AND whites are crisp & vivid*

See examples of how fresh food looks under these lights...
Color Spectrum Comparisons

Promolux LEDs are the only LEDs on the market that are designed specifically for fresh food merchandising in supermarkets.

Before: 3500K

Before: 4000K
Promolux LEDs have a true balanced-color spectrum, so every color is shown equally under Promolux. This means that the same Promolux LED can be used to showcase fresh meat, seafood, deli & prepared foods, produce, sushi, salad bars, olive bars, bakery & floral!

Each picture above shows Promolux installed in different fresh food cases - creating vibrant displays in every case!

For over 30 years Market Group Ventures has produced innovative retail solutions that save energy as well as protect and prolong the shelf life of perishable foods. Market Group Ventures is a global company with facilities, distribution centers and offices in North America and Europe, and services more than 30 countries worldwide.

Some of our customers include:

- Whole Foods Market
- Kroger
- MB Master-Bilt® Refrigeration Solutions
- Hilphoenix
- Publix
- Walmart México y Centroamérica
- Cold Stone Creamery
- Safeway
- ShopRite
- Carrier
- A United Technologies Company
- Sobeys
- Joe’s
- Ralphs
- Andronico’s Community Markets
- Coop
- toom
grocerymarkt
- Walgreens
- Bashas
- Carrefour
- Food4Less
- LEY
- Southern Gas & Light
- Kysor/Warren

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