The Dark to Light Difference.

The DTL brand, a trusted name in the outdoor lighting controls market since 1990, has created some of the most reliable products to be used in the field.

In today's growing LED market, the DTL brand continues this trend by utilizing TRIAC assisted relay circuitry in its LED photocontrols. A TRIAC, being a solid-state device, ensures precise switching control versus zero-cross relays to provide consistent long-life LED performance. The TRIAC protects the relay during switching cycles, offering superior inrush protection leading to low inrush current with low-voltage switch on and no inductive arcing with low-current switch off.

DTL photocontrols, which are among the most ubiquitous outdoor photocontrols, are built using well designed electronic circuitry. They run cool, consume less energy and offer consistent performance over voltage ranges and time. Explore the difference in electronic photocontrol with Dark to Light.

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Overview

The DTL DSN solution combines the reliability of the DLL Elite photocontrol, designed for 20-year operating life, with the performance of the Itron network platform for unparalleled functionality and adaptive control of street lighting systems.

With the DSN solution, you now have access to a multi-application platform, providing one network for critical infrastructure solutions like smart lighting, smart metering and other outdoor IoT technologies.

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Voltage</th>
<th>Cover Color</th>
<th>Dimming</th>
<th>GPS</th>
<th>Lens Type</th>
<th>Time Zone</th>
<th>Daylighting Saving Time</th>
</tr>
</thead>
</table>

Notes

1. Consult factory for availability and lead times.
2. Standard time zones for North America shown. All UTC offset based times zones are possible.
3. The Green cover color is exclusively for 347V node.
DCC & DCR: DTL® Connect Wireless Control and Remote

The DTL Connect Series photocontrol and remote allows the user to enable and disable the photocontrol from the ground. This solution is ideal for difficult-to-access areas and security lights.

### Intended Uses
- Security lighting
- LED
- HID

### Mechanical Characteristics
- Dimensions: 3.25\" Ht.: 3.0\"
- Cover Thickness: 0.1\"
- Double thick cover
- Conformal coated printed circuit board

### Electrical Characteristics
- Operating voltage: Voltage 120 to 277 VAC, 60Hz
- Load rating: 1000W/1800VA
- Surge rating: 1280 Joules/10kA utility or 2120 Joules/40kA UL listed
- Average power consumption: 0.7 watts @ 120V; 2.4 watts @ 277V

### Operating Characteristics
- Sensor type: Silicon
- Turn on / off ratio: 1:1.5
- Operating temp: -40°C to +70°C ambient
- Failure Mode: Fail On

### Regulatory Listings
- ANSI C136.10
- RoHS compliant
- UL listed to U.S. and Canadian safety standards
- Surge rated in excess of ANSI C136.10
- FCC

### Warranty
- 10 years

### ANSI Color Codes

<table>
<thead>
<tr>
<th>Multi-Volt (120-277V)</th>
<th>Black</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>347V</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>480V</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

### Notes
1. No color substitutions for UL models
2. Non-standard custom colors are non-stock items. Consult customer service.
3. Non-standard multiples of 50 may be ordered.
4. Only available with cUL certification option.
The DLL Elite long-life photocontrol was designed specifically for use with LED fixtures. With a design life of 20+ years and superior in-rush current and surge-protection features, the DLL Elite supports the extended life and low maintenance benefits associated with LED.

Frequently Ordered Numbers

DLL127 1.5 J50
DLL127 1.5 BK J50

### Intended Use
- Long-Life LED

### Mechanical Characteristics
- Dimensions:
  - Standard: ø3.25”, Ht 2.55”
  - Low Profile: ø3.25”, Ht 2.12”
- Cover Thickness: 0.1”
- Double thick cover
- Conformal coated printed circuit board

### Electrical Characteristics
- Operating voltage:
  - Voltage 120 to 480 VAC, 60Hz
- Load rating: 1000 watts, 1800 VA ballast
- Surge rating: 1280J/40kA utility or 2120J/40kA UL listed
- Average power consumption: <0.5 watts @ 120V

### Operating Characteristics
- Sensor type: Silicon, IR filter optional
- Turn on / off ratio: 1:1.5
- Operating temp: -40°C to +70°C
- Failure Mode: Fail On or Fail Off

### Regulatory Listings
- ANSI C136.10
- RoHS compliant
- UL listed to U.S. and Canadian safety standards
- Surge rated in excess of ANSI C136.10 to 20kV/10kA

### Warranty
- 10 years

### DLL Standard Colors

<table>
<thead>
<tr>
<th>Multi-Volt (120-277V)</th>
<th>Non-UL</th>
<th>UL</th>
</tr>
</thead>
<tbody>
<tr>
<td>347V</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>480V</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

### Notes
1. Not available with DLL347, DLL480, or CUL certification.
2. Non-standard custom colors are non-stock items. Available in J12 and J50 only. Consult customer service.
3. Only available with CUL certification option.
DE: Premium Filtered Silicon Control

The DE Series photocontrol utilizes premium components, a silicon light sensor and an infrared blocking filter to provide human eye spectral response and consistent turn-on night after night, over the life of the control.

Frequently Ordered Numbers
DE120 1.5 TJ J50
DE124 1.5 TJBK J50
DE124 1.5 TJBR J50

Intended Use
• HID

Mechanical Characteristics
• Dimensions: ø3.16", Ht.: 2.23"
• Cover Thickness: 0.05"
• Standard Color: ANSI Std. Colors

Electrical Characteristics
• Operating voltage: 105 to 530 VAC, 50/60Hz
• Load rating: 1000 watts, 1800 VA ballast
• Surge rating: 320 Joules/9.5kA
• Average power consumption: 0.5 watts @ 120V

Operating Characteristics
• Sensor type: Filtered Silicon
• Turn on / off ratio: 1:1.5
• Operating temp: -40°C to +70°C ambient
• Failure Mode: Fail On

Regulatory Listings
• ANSI C136.10-1996
• RoHS compliant

Warranty
• 6 years

Ordering Information

<table>
<thead>
<tr>
<th>Series Code &amp; Voltage</th>
<th>Turn-On Level (fc)</th>
<th>Time Delay/Surge Protection</th>
<th>Cover Color</th>
<th>Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE120 120V (105-130)</td>
<td>1.0 Energy Saver</td>
<td>TJ 2.5 Second Turn-Off Delay 320J/9500 Amp MOV</td>
<td>blank ANSI Std Color</td>
<td>J12 12 Units</td>
</tr>
<tr>
<td>DE124 120-277V (105-305)</td>
<td>2.6 IES Recommended</td>
<td></td>
<td>BK Black</td>
<td>J50 50 Units</td>
</tr>
<tr>
<td>DE347 347V (300-400)</td>
<td>8.0 Metro-High Ambient</td>
<td></td>
<td>BR Brown</td>
<td></td>
</tr>
<tr>
<td>DE480 480V (420-530)</td>
<td>35 FAA</td>
<td>TJ 2.5 Second Turn-Off Delay 320J/9500 Amp MOV</td>
<td>ANSI Std Color</td>
<td></td>
</tr>
</tbody>
</table>

ANSI Color Codes

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>Gray</td>
</tr>
<tr>
<td>240V</td>
<td>Maroon</td>
</tr>
<tr>
<td>Multi-Volt (120-277V)</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>347V</td>
<td>Green</td>
</tr>
<tr>
<td>480V</td>
<td>Yellow</td>
</tr>
</tbody>
</table>
The DP Series photocontrols utilize premium components and silicon light sensors which resist long-term drift of the turn-on level. This series includes the utility-preferred 1704 and 1707 cost-effective, but extremely robust, control for non-LED fixtures.

**Frequently Ordered Numbers**

<table>
<thead>
<tr>
<th>Series Code &amp; Voltage</th>
<th>Turn-On Level (fc)</th>
<th>Time Delay/Surge Protection</th>
<th>Power-Up Delay</th>
<th>Cover Color</th>
<th>Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP120 120V (105-130)</td>
<td>1.0 Energy Saver</td>
<td>TJD 2-5 Second Turn-Off Delay</td>
<td>blank Std. Operation</td>
<td>blank Std Color</td>
<td>J12 12 Units</td>
</tr>
<tr>
<td>DP124 120-277V (105-305)</td>
<td>1.5 ANSI Standard</td>
<td>320J/9500 Amp MOV</td>
<td>PD 45-60 Sec. Delay</td>
<td>ANSI Std. Colors</td>
<td>J50 50 Units</td>
</tr>
<tr>
<td>DP240 240V (185-305)</td>
<td>2.6 IES Recommendation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP347 347V (300-400)</td>
<td>8.0 Metro-High Ambient</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP124 1.5 1704 J50</td>
<td>35 FAA²</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP124 1.0 1707 J50</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Information**

- **Intended Use**
  - HID

- **Mechanical Characteristics**
  - Dimensions: ø3.16", Ht.: 2.47" 
  - Cover Thickness: 0.05" 
  - Standard Color: ANSI Std. Colors

- **Electrical Characteristics**
  - Operating voltage: 105 to 530 VAC, 50/60Hz 
  - Load rating: 1000 watts, 1800 VA ballast 
  - Surge rating: 320 Joules/9.5kA 
  - Average power consumption: 0.5 watts @ 120V

- **Operating Characteristics**
  - Sensor type: Silicon 
  - Turn on / off ratio: 1:1.5 
  - Operating temp: -40°C to +70°C ambient 
  - Failure Mode: Fail On

- **Regulatory Listings**
  - ANSI C136.10
  - RoHS compliant

- **Warranty**
  - Warranty: 8 years on DP124 1.5 1704 
  - DP124 1.0 1707 
  - 6 years on all other models

Notes

1. PD option not available on DPR or DPF Series.
2. 6 Turn-on only.
3. Black cover only.
4. Non-standard custom colors are non-stock items except when ANSI standard. Consult customer service for availability.
**Intended Use**
- Area Lighting
- Parking Lots
- Park Lights
- Media Lighting
- Pedestrian Lighting
- Ball Fields and Courts
- Energy Savings

**Mechanical Characteristics**
- Dimensions: Ø3.16”, Ht.: 2.23”
- Cover Thickness: 0.05”

**Electrical Characteristics**
- Operating Voltage: 105 to 305 VAC
- Load Rating: 1000 Watts 1800 VA ballast
- Surge Rating: 320J / 10kA
- Average Power Consumption: < 0.8 Watts @ 120V

**Operating Characteristics**
- Sensor Type: Filtered Silicon
- Turn on / off ratio: 1:1.5
- Operating temperature: -40C to +70C
- Control turns on at dusk and off halfway through the night
- Automatically self-adjusts to seasonal time changes, reducing maintenance
- Reduces light pollution and light trespass concerns
- Not approved for LED fixtures

**Warranty**
- 6 years

**Overview**
The DPN Series photocontrols were specifically designed to turn the light off halfway through the night to save energy and extend fixture life.

**Frequently Ordered Numbers**
DPN124 2.6 TJGN J50

**Ordering Information**

<table>
<thead>
<tr>
<th>Series &amp; Voltage</th>
<th>Turn-On Level (fc)</th>
<th>Time Delay</th>
<th>Surge Protection</th>
<th>Cover Color</th>
<th>Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPN124 120/240/277V (105 - 305)</td>
<td>2.6 Standard</td>
<td>T 2-5 Sec. Turn-Off Delay</td>
<td>J 320J/10,000 Amp MOV</td>
<td>GN Green</td>
<td>J12 12 Unit, J50 50 Units</td>
</tr>
</tbody>
</table>

**Notes**
1. Other options available, please contact your local Acuity Brands Controls representative.
Intended Use
- Roadway & Area Lighting
- Anywhere cycling lamps are a problem
- The DD is specifically designed to detect and disable cycling HPS lamps
- Specified for Use with 70–400 watt HPS

Mechanical Characteristics
- Dimensions: ø3.16", Ht.: 2.23"
- Cover Thickness: 0.05"

Electrical Characteristics
- Operating Voltage: 105 to 305 VAC
- Load Rating: 1000 Watts 1800 VA ballast
- Surge Rating: 320J / 9.5kA
- Average Power Consumption: < 0.8 Watts @ 120V

Operating Characteristics
- Sensor Type: Filtered Silicon
- Turn on / off ratio: 1:1.5
- Operating temperature: -40C to +70C
- After five lamp cycles, the control turns the lamp off. At dusk of the following day, the control energizes the fixture and the cycle detection circuit resets
- Not approved for LED fixtures

Regulatory Listings
- ANSI C136.10
- RoHS compliant

Warranty
- 6 years

Overview
The DD Series photocontrols were designed specifically to detect and disable cycling HPS lamps. Disabling the fixture when the lamp cycles will extend the life of the starter and help reduce replacement costs. After five lamp cycles, the control turns the lamp off. At dusk of the following day, the control energizes the fixture and the cycle detection circuit resets.

Frequently Ordered Numbers
DD124 1.5 TJA J50

Ordering Information

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DPN124 120/240/277V</td>
<td>1.5 ANSI Standard</td>
<td>2.5 Sec. Turn-Off Delay</td>
<td>J 320J/9500 Amp MOV</td>
<td>ANSI J12</td>
<td>12 Unit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>J50</td>
</tr>
</tbody>
</table>

Notes
1. Cycle Detection Program is set at factory; program cannot be altered in field.
The DBE Series photocontrol is a button-style control designed to be installed with lighting that does not use a NEMA receptacle.

**Frequently Ordered Numbers**

- DBE124 1.5 T J12
- DBE124 1.5 TUL J12

### Intended Use
- HID, LED Lite
- Wired in

### Mechanical Characteristics
- Dimensions: See below
- Cover Thickness: NA
- Standard Color: Black
- 12", 200°C, 16 Ga. Stranded leads

### Electrical Characteristics
- Operating voltage: 105 to 400 VAC
- Load rating: 1000VA ballast
- Surge rating: 190 Joules/4.5kA
- Average power consumption: 0.5watts @ 120V
- Suitable for 1 LED driver @ 120V

### Operating Characteristics
- Sensor type: Filtered Silicon
- Turn on / off ratio: 1:1.5
- Operating temp: -40°C to +70°C ambient
- Failure Mode: Fail On

### Regulatory Listings
- ANSI C136.24
- RoHS compliant
- UL Listed
- CSA Listed

### Warranty
- 6 years

### Ordering Information

<table>
<thead>
<tr>
<th>Series Code &amp; Voltage</th>
<th>Turn-On Level (fc)</th>
<th>Time Delay</th>
<th>Certification</th>
<th>Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBE120 120V(105-130)</td>
<td>1.5 ANSI Standard</td>
<td>T 5-10 Second Turn-off Delay</td>
<td>U CSA Listed¹</td>
<td>J12 12 Units</td>
</tr>
<tr>
<td>DBE124 120 - 277V(105-305)</td>
<td></td>
<td></td>
<td>UL UL Listed²</td>
<td></td>
</tr>
<tr>
<td>DBE347 347V(300-400)</td>
<td></td>
<td></td>
<td></td>
<td>J50 50 Units</td>
</tr>
</tbody>
</table>

**Notes**
1. DBE347 & DBE120 only
2. DBE124 only

**ANSI Color Codes**
- Multi-Volt (120-277V): Black
- 347V: Black

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Dark to Light Outdoor Controls: Product Reference Guide
DSW: Swivel Type Electronic Wire-In Photocontrol

Overview
The DSW Series photocontrol mounts to wall mounted luminaires and electrical boxes. It can swivel 360° around its base and 180° from front to back.

Frequently Ordered Numbers
DSW124 12A J12
DSW124 12A J50

Intended Use
- Suitable for 1 LED driver @ 120V
- Security Lighting
- Wall-mounted luminaires and electrical boxes

Mechanical Characteristics
- Dimensions: See illustrations to the left
- Enclosure: Impact resistant polycarbonate
- Swivel Design, which allows the control to rotate 360° around its base and 180° around the built in knuckle for ease of mounting and aiming.
- 12”, 200°C, 16 Ga. Stranded leads
- 1/2” straight pipe thread fits standard 1/2” knock-out or threaded connector

Electrical Characteristics
- Operating Voltage: 105 to 305 VAC
- Load Rating: 1000 VA ballast
- Surge Rating: 190J MOV
- Average Power Consumption: < 0.5 Watts @ 120V

Operating Characteristics
- Sensor Type: Filtered Silicon
- Turn on / off ratio: 1:1.5
- Operating temperature: -40C to +70C

Regulatory Listings
- ANSI C136.24
- UL Listed

Warranty
- 6 years

Ordering Information

<table>
<thead>
<tr>
<th>Series &amp; Voltage</th>
<th>Turn-On Level (fc)</th>
<th>Sensor</th>
<th>Gray Color</th>
<th>Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSW124 120/240/277V (105 - 305)</td>
<td>1.0-2.0 FC Turn-On</td>
<td>2 Silicon Sensor, 5-10 second Off-Time Delay</td>
<td>ANSI</td>
<td>U 1 Unit, J12 12 Units, J50 50 Units</td>
</tr>
</tbody>
</table>

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DUR: Retrofit Receptacle Kit

Intended Use
- HID, LED
- The DUR Series retrofit receptacle kit adapts a light fixture for use with a NEMA locking type photocontrol.

Mechanical Characteristics
- Dimensions: See below

Electrical Characteristics
- Electrical rating: 15 amp, 480 VAC Max., 50/60 Hz
- Leads are rated 105°C
  - DUR103 - 3 PIN RECEPTACLE
    - Red = Load, Black = Line, White = Common
    - 14 gauge, stranded 14"
  - DUR105 - 5 PIN RECEPTACLE
    - Red = Load, Black = Line, White = Common
    - 14 gauge stranded 12"
    - Purple & Gray = Dimming per ANSI C136.41
    - 18 gauge, stranded 12"
  - DUR107 - 7 PIN RECEPTACLE
    - Red=Load, Black=Line, White=Common
    - 14 gauge, stranded 12"
    - Purple & Gray=Dimming, Brown & Orange=low voltage per ANSI C136.41
    - 18 gauge, stranded 12"

Regulatory Listings
- ANSI C136.24
- RoHS compliant
- UL Recognized Component

Warranty
- 6 years

The DUR Series retrofit receptacle kit is remotely mounted to provide a NEMA receptacle for use with a photocontrol. Available in 3-, 5- and 7-pin options.

Frequently Ordered Numbers
DUR103 J6
DUR103 J50
DUR105 M50
DUR107 M50

Ordering Information

<table>
<thead>
<tr>
<th>Series Code &amp; Voltage</th>
<th>Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUR103 120 - 480V 3-pin</td>
<td>U 1 Unit</td>
</tr>
<tr>
<td>DUR105 120 - 480V 5-pin</td>
<td>J6 12 Units</td>
</tr>
<tr>
<td>DUR107 120 - 480V 7-pin</td>
<td>J50 50 Units</td>
</tr>
<tr>
<td></td>
<td>M50 Master Pack of 50</td>
</tr>
</tbody>
</table>

Notes
1. Non-standard multiples of 50 may be ordered for DUR 105 & 107 only.
The CAP Series Shorting and Open caps are used with luminaires where lights are to be on continuously (shorting cap) or left off (open cap).

**Frequently Ordered Numbers**

- DSHORT SBK J12
- DSHORT SBK J50
- DSHORT VBK J12
- DSHORT VBK J50
- DOPEN SRD J50

**Intended Use**
- Any fixture with NEMA locking receptacle can be used with 3-, 5- or 7-pin receptacles

**Mechanical Characteristics**
- Neoprene base gasket has a continuous use temperature of 105°C
- Brass Legs
- Polypropylene Cover

**Electrical Characteristics**
- Operating voltage: 105 to 530 VAC, 50/60Hz
- Surge rating: 265 Joules/6.0kA (VBK only)

**Operating Characteristics**
- -40°C to +70°C ambient

**Regulatory Listings**
- Exceeds ANSI C136.10

**Ordering Information**

<table>
<thead>
<tr>
<th>Series Code</th>
<th>Surge Protection</th>
<th>Package Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSHORT</td>
<td>SBK  Shorting Cap, Black cover</td>
<td>U 1 Unit</td>
</tr>
<tr>
<td>DOPEN</td>
<td>VBK  Shorting Cap, 265J MOV, Black cover</td>
<td>J6 6 Units</td>
</tr>
<tr>
<td></td>
<td>SRD  Open Cap, Red cover</td>
<td>J12 12 Units</td>
</tr>
<tr>
<td></td>
<td></td>
<td>J50 50 Units</td>
</tr>
</tbody>
</table>
## Model Comparison Table

<table>
<thead>
<tr>
<th>Applications</th>
<th>DSN</th>
<th>DCC</th>
<th>DLL</th>
<th>DE</th>
<th>DP</th>
<th>DPN</th>
<th>DD</th>
<th>DBE</th>
<th>DSW</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED, Smart Cities, Itron Network Platform</td>
<td>LED, Remote Control of Security and Area Lights</td>
<td>LED Long-Life</td>
<td>HID</td>
<td>HID</td>
<td>HID, Part-night operation to reduce light pollution</td>
<td>HID, Detect and Disable cycling HPS</td>
<td>120V LED, HID, Wire-in Decorative fixtures</td>
<td>HID, Swivel control for wall or electrical box mount</td>
<td></td>
</tr>
<tr>
<td>Network Control</td>
<td>•</td>
<td></td>
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<tr>
<td>Wireless Remote Control</td>
<td>•</td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Dimming</td>
<td>0-10V or DALI</td>
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<tr>
<td>Motion Sensor Input</td>
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<td></td>
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<tr>
<td>Installation form factor</td>
<td>7-Pin NEMA twist lock</td>
<td>3-Pin NEMA twist lock</td>
<td>3-Pin NEMA twist lock</td>
<td>3-Pin NEMA twist lock</td>
<td>3-Pin NEMA twist lock</td>
<td>3-Pin NEMA twist lock</td>
<td>Wire-in button style photocontrol</td>
<td>Wire-in swivel style photocontrol</td>
<td></td>
</tr>
<tr>
<td>Sensor</td>
<td>Digital Silicon (human eye response). Tunnel lens optional.</td>
<td>Silicon</td>
<td>Silicon with optional IR lens</td>
<td>Silicon</td>
<td>Silicon</td>
<td>Silicon</td>
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<tr>
<td>Turn-On (FC) (On : Off ratio of 1 : 1.5)</td>
<td>Software Controlled 1.5 in Photocell mode</td>
<td>1.5 (Other levels available on request)</td>
<td>1.5 (Other levels available on request)</td>
<td>1.0 1.5 2.6 8.0 35</td>
<td>1.0 1.5 2.6 8.0 35</td>
<td>2.6</td>
<td>1.5</td>
<td>1.5</td>
<td>1.0 - 2.0</td>
</tr>
<tr>
<td>Switching Circuit</td>
<td>TRIAC assisted Relay</td>
<td>TRIAC assisted Relay</td>
<td>TRIAC assisted Relay</td>
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</tr>
<tr>
<td>Certified</td>
<td>cULus, CE (EU model), FCC Part 15</td>
<td>Optional cULus, FCC</td>
<td>Optional cULus</td>
<td>UL Listed, CSA Listed (optional)</td>
<td></td>
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<tr>
<td>347V / 480V</td>
<td>347V, 480V</td>
<td>347V, 480V</td>
<td>347V, 480V</td>
<td>347V, 480V</td>
<td>347V</td>
<td></td>
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</tr>
<tr>
<td>Surge Protection</td>
<td>1080K / 36kA ANSI C136.10 20kV / 10kA class</td>
<td>1280J / 40kA or 2120J / 40kA cULus ANSI C136.10 20kV / 10kA class</td>
<td>320J / 9.5kA</td>
<td>320J / 9.5kA</td>
<td>320J / 10kA</td>
<td>320J / 9.5kA</td>
<td>190J / 4.5kA</td>
<td>190J / 4.5kA</td>
<td></td>
</tr>
<tr>
<td>Design Life</td>
<td>20+ years</td>
<td>15 years</td>
<td>20+ years</td>
<td>8 years</td>
<td>8 years</td>
<td>8 years</td>
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<tr>
<td>Failure mode</td>
<td>Fail-On</td>
<td>Fail-On</td>
<td>Fail On/Off</td>
<td>Fail On</td>
<td>Fail On/Off</td>
<td>Fail On</td>
<td>Fail On</td>
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<td>Fail On</td>
</tr>
<tr>
<td>Warranty</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>6 years</td>
<td>6 years*</td>
<td>6 years</td>
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</tbody>
</table>

* 1704 and 1707 models have 8yr warranty

Frequently Ordered Numbers are products that are generally in stock. Ordering other catalog number configurations may impact pricing and lead time.
**Why should I use a long-life LED photocontrol with my LED fixtures?**

With a 20+ year design life, long-life LED photocontrols are designed to last as long as your LED lighting system. The components were carefully selected to provide superior surge protection as well as protect against the high inrush current associated with LED fixtures.

**What is the difference between fail on and fail off controls?**

Fail OFF Controls: The relay is normally open so a control will fail in the off position to prevent day burning fixture.

Fail ON Control: The relay is normally closed to fail in the on position. The light will day burn upon control failure for safety purposes. This is our standard offering unless otherwise specified.

**Can I get the UL certified controls in colors other than the standard ANSI colors?**

No, you must use standard ANSI colors when specifying UL.

**Do I need one remote for every DCC photocontrol that I order?**

No. Remotes are programmed at the factory uniquely per customer and paired to a DCC photocontrol during installation. One remote can control all of your DCC photocontrols.

**How do I get a part number for the remote used with the DCC photocontrol?**

A unique custom part number is required to order the DCR remote. To obtain your custom part number please submit your request to DTLTechSupport@acuitybrands.com. This does not apply to OEM sales.

**Can a multivolt control be used as a substitute for a 120V photocontrol?**

Yes, the multi-volt control has a voltage range from 105 to 305V. The voltage range on a 120V photocontrol is 105-130V.

**Note**

For FAQs on the DTL DSN, please refer to the FAQ document on the DTL DSN product page.

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**Photocontrol Window Directional Orientation Guidance**

Best Overall Direction in Northern Hemisphere.
Second best in Southern Hemisphere

Worst choice with silicon sensors, result is late turn-on and late turn-off.

Early turn-on and early turn-off. Makes most controls act like inverse ratio controls.

Best Overall Direction in Southern Hemisphere.
Second best in Northern Hemisphere