



# Dark to Light

## Outdoor Controls

### Product Reference Guide





## / DTL®

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### The Dark to Light Difference.

The DTL brand, a trusted name in the outdoor lighting controls market since 1991, 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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**Intended Use**

- Long-Life LED
- Smart City Network Canopy
- Control, monitoring and diagnostics

**Mechanical Characteristics**

- Double thick UV stabilized polycarbonate enclosure with two-shot mold directional photocell window
- Conformal coated printed circuitry board

**Electrical Characteristics**

- Operating Voltage: 120 to 480 VAC universal variant
- Load Rating: 1000 Watts, 1800 VA ballast
- Surge Rating: 1080J/36kA
- Dimming: 0-10VDC and DALI 2.0 auto-detect

**Operating Characteristics**

- Inrush protection: TRIAC assisted relay
- Sensor Type: Human eye response digital ALS
- Turn on / off ratio: 1:1.5 in photocell mode (Schedule is default in Streetlight Vision)
- Operating temperature: -40C to +70C
- Metering Accuracy: 0.5% with IR pulse interface
- Ingress Protection: IP65

**Regulatory Listings**

- ANSI C136.10, 41 and 48
- ANSI C137.4
- ANSI C12.20 (NLC metering)
- RoHS
- cULus
- FCC Part 15

**Warranty**

- 10 years

**Overview**

The DTL DIN solution combines the reliability of a 20-year operating life LED photocontrol with the performance of the Itron network platform for unparalleled functionality and adaptive control of smart street lighting systems.

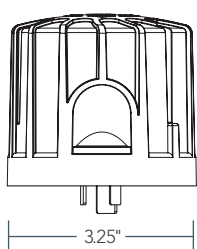
With the DIN solution, you now have access to a multi-application platform, providing one network for critical infrastructure solutions like smart lighting, smart metering and other outdoor IoT technologies.

**Features**

- **PROVEN:** Access a robust network supporting over 30 million devices combined with world-class LED photocontrol technology.
- **SECURE:** Protect your most sensitive data with secure AES 256-bit encryption and multilayer protection with continuous security monitoring.
- **FAST:** Deliver real-time, actionable data for business-critical needs.
- **FLEXIBLE:** Leverage one system capable of connecting multiple smart city devices and applications.
- **FUTURE ORIENTED:** Obtain data through open APIs to enable future application development.

**Ordering Information**

Hardware Options																	
Series		Voltage		Cover Color		Dimming		NEMA ANSI Interface		NIC Region		GPS		Antenna			
DIN	DTL Itron Networked Control	UVOLT	120-480VAC	BK	Black	DD	Dual dimming (0/10VDC and DALI)	5P	5-pin ANSI C136.41	[blank]	North America	[blank]	No GPS	[blank]	Internal Antenna		
								7PS	7-pin ANSI C136.41 with Sense			MX	Mexico	G	GPS	E	External Antenna Connector
								7PR	7-pin ANSI C136.41 with RS-232								
Software Options																	
Time Zone			Daylight Saving Time			Network				Photocontrol Operation							
USM4	Atlantic				DSTY	DST Enabled		<blank>	Acuity NaaS		<blank>	Standard Operation					
USM5	Eastern				DSTN	DST Disabled		<others>	Please contact factory to setup		PCD	Photocontrol disabled					
USM6	Central																
USM7	Mountain																
USM8	Pacific																
USM9	Alaska																
USM10	Hawaii																



#### DCR Remote

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](mailto:DTLTechSupport@AcuityBrands.com). This does not apply for OEM sales.

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.

#### Frequently Ordered Numbers

**DCC127 1.5 M50**

#### 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

Multi-Volt (120-277V)	Black	Blue
347V	Green	Green
480V	Yellow	Yellow

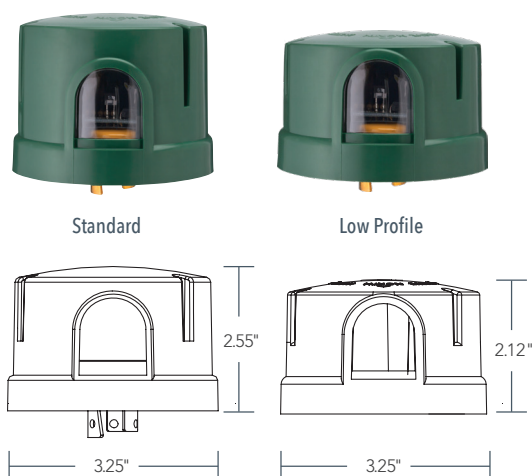
#### Ordering Information

Series Code & Voltage	Failure Mode	Certification	Cover Color	Package Quantity
<b>DCC127</b> 120-277VAC <b>DCC347</b> 347V <sup>4</sup> <b>DCC127</b> 480V <sup>4</sup>	<b>1.5</b> ANSI Standard	<b>[blank]</b> Std. <b>CUL</b> cULus	<b>[blank]</b> Std. <sup>1</sup> <b>BK</b> Black <sup>2</sup> <b>BR</b> Brown <sup>2</sup> <b>GR</b> Green <sup>2</sup> <b>GY</b> Gray <sup>2</sup> <b>BL</b> Blue <sup>2</sup> <b>YL</b> Yellow <sup>2</sup>	<b>M50</b> Master pack 50 <sup>3</sup>

#### 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

	Non-UL	UL
<b>Multi-Volt (120-277V)</b>	Green	Blue
<b>347V</b>	Green	Green
<b>480V</b>	Yellow	Yellow

## Ordering Information

Series Code & Voltage	Failure Mode	Turn-On Level (fc)	Filter	Certification	Cover Color	Package Quantity
<b>DLL127</b> 120-277V	<b>[blank]</b> Fail On <b>F</b> Fail Off	<b>1.5</b> ANSI Std.	<b>[blank]</b> Std. Operation <b>LP</b> Low Profile <sup>1</sup>	<b>[blank]</b> Std. <b>CUL</b> cULus	<b>[blank]</b> Std. <sup>1</sup>	<b>JU</b> 1 Unit
<b>DLL347</b> 347V <sup>3</sup>					<b>BK</b> Black <sup>2</sup>	<b>J12</b> 12 Units
<b>DLL480</b> 480V <sup>3</sup>					<b>BR</b> Brown <sup>2</sup> <b>GR</b> Green <sup>2</sup> <b>GY</b> Gray <sup>2</sup> <b>BL</b> Blue <sup>2</sup> <b>YL</b> Yellow <sup>2</sup>	<b>J50</b> 50 Units

## 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.



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

- DE124 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

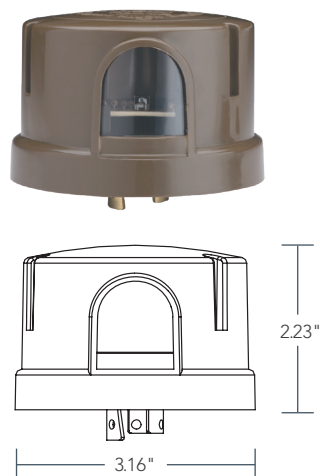
Warranty

- 6 years

ANSI Color Codes	
120V	Gray
240V	Maroon
Multi-Volt (120-277V)	Dark Blue
347V	Green
480V	Yellow

Ordering Information

Series Code & Voltage	Turn-On Level (fc)	Time Delay/Surge Protection	Cover Color	Package Quantity
DE120 120V (105-130)	1.0 Energy Saver	TJ 2-5 Second Turn-Off Delay 320J/9500 Amp MOV	blank ANSI Std Color	J12 12 Units
DE124 120-277V (105-305)	2.6 IES Recommended		BK Black	J50 50 Units
DE347 347V (300-400)	8.0 Metro-High Ambient		BR Brown	
DE480 480V (420-530)	35 FAA		See Color Chart	



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

**DP124 1.5 TJ J50**

**DP124 1.5 TJBK J50**

**DP124 1.5 1704 J50**

**DP124 1.0 1707 J50**

### 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

### ANSI Color Codes

<b>120V</b>	Gray
<b>240V</b>	Maroon
<b>Multi-Volt</b>	Dark Blue
<b>347V</b>	Green
<b>480V</b>	Yellow

## Ordering Information

Series Code & Voltage	Turn-On Level (fc)	Time Delay/Surge Protection	Power-Up Delay	Cover Color	Package Quantity
<b>DP120</b> 120V (105 - 130)	<b>1.0</b> Energy Saver	<b>TJ</b> 2-5 Second Turn-Off Delay 320J/9500 Amp MOV	<b>blank</b> Std. Operation <b>PD</b> 45-60 Sec. Delay	<b>blank</b> Std Color ANSI	<b>J12</b> 12 Units <b>J50</b> 50 Units
<b>DP124</b> 120-277V (105-305)	<b>1.5</b> ANSI Standard			<b>BK</b> Black <sup>4</sup>	
<b>DP240</b> 240V (185-305)	<b>2.6</b> IES Recommendation			<b>GY</b> Gray <sup>4</sup>	
<b>DP347</b> 347V (300-400)	<b>8.0</b> Metro-High Ambient			<b>MR</b> Maroon <sup>4</sup>	
<b>DP480</b> 480V (420-530)	<b>35</b> FAA <sup>3</sup>			<b>GR</b> Green <sup>4</sup>	
<b>DPR124</b> Multi-volt Inverse ratio <sup>1,2,3</sup>				<b>BL</b> Blue <sup>4</sup>	
<b>DPF124</b> Multi-volt Fail Off <sup>1</sup>				<b>P</b> Upward facing	

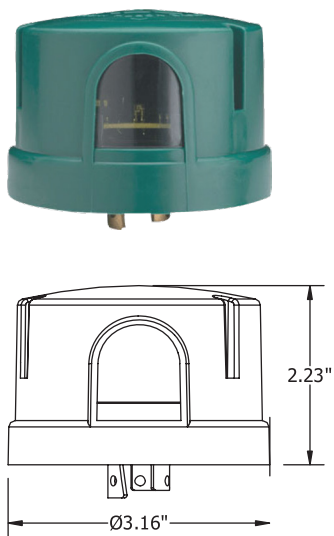
### Notes

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.



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

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

Regulatory Listings

- ANSI C136.10
- RoHS compliant

Warranty

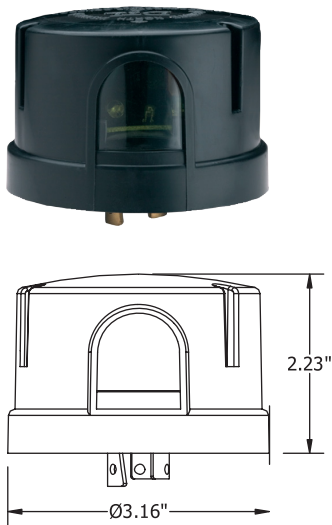
- 6 years

Ordering Information

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

**Note**  
1. Other options available, please contact your local Acuity Brands Controls representative.





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

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

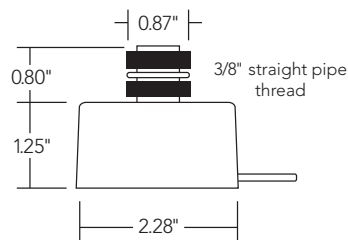
- 6 years

Ordering Information

Series & Voltage		Turn-On Level (fc)	Time Delay		Surge Protection	Cycle Detection <sup>1</sup>		Pkg. Qty.	
DPN124	120/240/277V	1.5 ANSI Standard	T	2-5 Sec. Turn-Off Delay	J	320J/9500 Amp MOV	A ANSI	J12	12 Unit
								J50	50 Units

Note

1. Cycle Detection Program is set at factory; program cannot be altered in field.



The DBL series of photocontrols are LED long-life button style controls designed to be installed with lighting that does not use a NEMA receptacle.

Frequently Ordered Numbers

- DBL127 1.5 CUL J12
- DBL347 1.5 CUL J12

Intended Use

- LED Long Life
- Wired in

Mechanical Characteristics

- Dimensions: See to the left
- Enclosure Type: Polycarbonate
- Standard Color: Black
- 12", 200°C, 16 Ga. Stranded leads

Electrical Characteristics

- Operating voltage: 120-347 VAC, 50/60 Hz
- Load rating: 1000VA ballast
- Surge rating: ANSI C136.24 20kV/10kA
- Average power consumption: 0.5watts @ 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
- cULus

Warranty

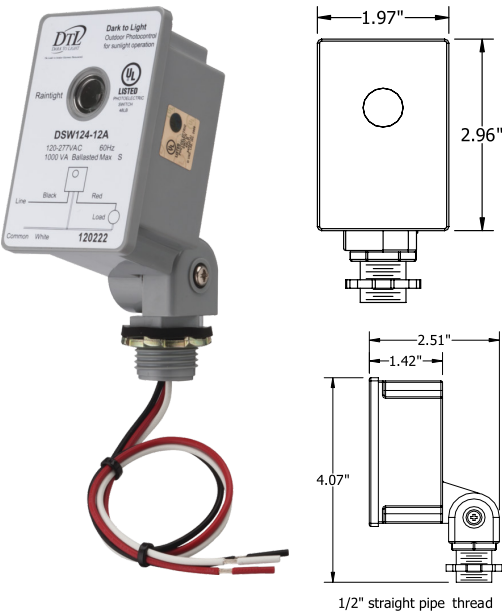
- 10 year limited warranty

Lead	Wire Color
Load	Red
Line	Black
Neutral	Blue (DBL127) White (DBL347)

Ordering Information

Series Code & Voltage	Turn-On Level (fc)	Certification	Package Quantity <sup>1</sup>
DBL127 120-277 VAC	1.5 ANSI Standard	CUL cULus	J12 Job pack of 12
DBL347 347VAC			JU Unit Pack

Notes  
1. Job packs need to be ordered in multiples of the job pack. Master packs can be ordered in any multiple



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

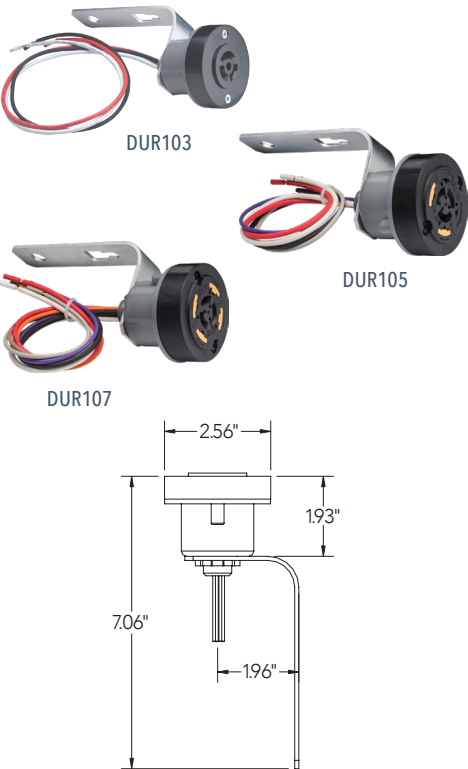
- ANSI C136.24
- UL Listed

Warranty

- 6 years

Ordering Information

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



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

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

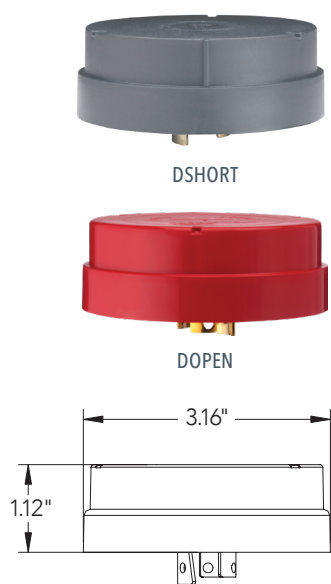
- 6 years

Ordering Information

Series Code & Voltage	Package Quantity
DUR103 120 - 480V 3-pin	U 1 Unit
DUR105 120 - 480V 5-pin	J6 12 Units
DUR107 120 - 480V 7-pin	J50 50 Units
	M50 Master Pack of 50 <sup>1</sup>

**Note**  
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

Series Code	Surge Protection	Package Quantity
DSHORT	SBK Shorting Cap, Black cover	U 1 Unit
DOPEN	VBK Shorting Cap, 265J MOV, Black cover	J6 6 Units
	SRD Open Cap, Red cover	J12 12 Units
		J50 50 Units

	DIN	DCC	DLL	DE	DP	DPN	DD	DBL	DSW
Applications	LED, Smart Cities, Itron Network Platform	LED, Remote Control of Security and Area Lights	LED Long-Life	HID	HID	HID, Part-night operation to reduce light pollution	HID, Detect and Disable cycling HPS	120V LED Long-Life, Wire-in Decorative fixtures	HID, Swivel control for wall or electrical box mount
Networked Control	•								
Wireless Remote Control		•							
Dimming	0-10V and DALI auto-select								
AUX inputs	Motion sense or RS-232								
Installation form factor	5-pin or 7-pin NEMA twist-lock	3-Pin NEMA twist lock	3-Pin NEMA twist lock	3-Pin NEMA twist lock	3-Pin NEMA twist lock	3-Pin NEMA twist lock	3-Pin NEMA twist lock	Wire-in button style photocontrol	Wire-in swivel style photocontrol
Sensor	Human eye response digital ALS	Silicon	Silicon with optional IR lens	Silicon with IR lens	Silicon	Silicon	Silicon	Silicon	Silicon
Turn-On (FC) (On : Off ratio of 1 : 1.5)	Software Controlled 1.5 in Photocell mode	1.5 (Other levels available on request)	1.5 (Other levels available on request)	1.0 1.5 2.6 8.0 35	1.0 1.5 2.6 8.0 35	2.6	1.5	1.5	1.0 - 2.0
Switching Circuit	TRIAC assisted Relay	TRIAC assisted Relay	TRIAC assisted Relay	Relay	Relay	Relay	Relay	TRIAC assisted Relay	Relay
Certified	cULus, FCC Part 15	Optional cULus, FCC	Optional cULus					cULus, RoHS	
347V / 480V	UVOLT (120-480V)	347V, 480V	347V, 480V	347V, 480V	347V, 480V			347V	
Surge Protection	1080K / 36kA ANSI C136.10 20kV / 10kA class	1280J / 40kA or 2120J / 40kA cULus ANSI C136.10 20kV / 10kA class	1280J / 40kA or 2120J / 40kA cULus ANSI C136.10 20kV / 10kA class	320J / 9.5kA	320J / 9.5kA	320J / 10kA	320J / 9.5kA	564J / 16kA	190J / 4.5kA
Design Life	20+ years	15 years	20+ years	8 years	8 years	8 years	8 years	20+ years	8 years
Failure mode	Fail-On	Fail-On	Fail On/Off	Fail On	Fail On/Off	Fail On	Fail On	Fail On	Fail On
Warranty	10 years	10 years	10 years	6 years	6 years*	6 years	6 years	10 years	6 years

\* 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](mailto:DTLTechSupport@acuitybrands.com). This does not apply to OEM sales.

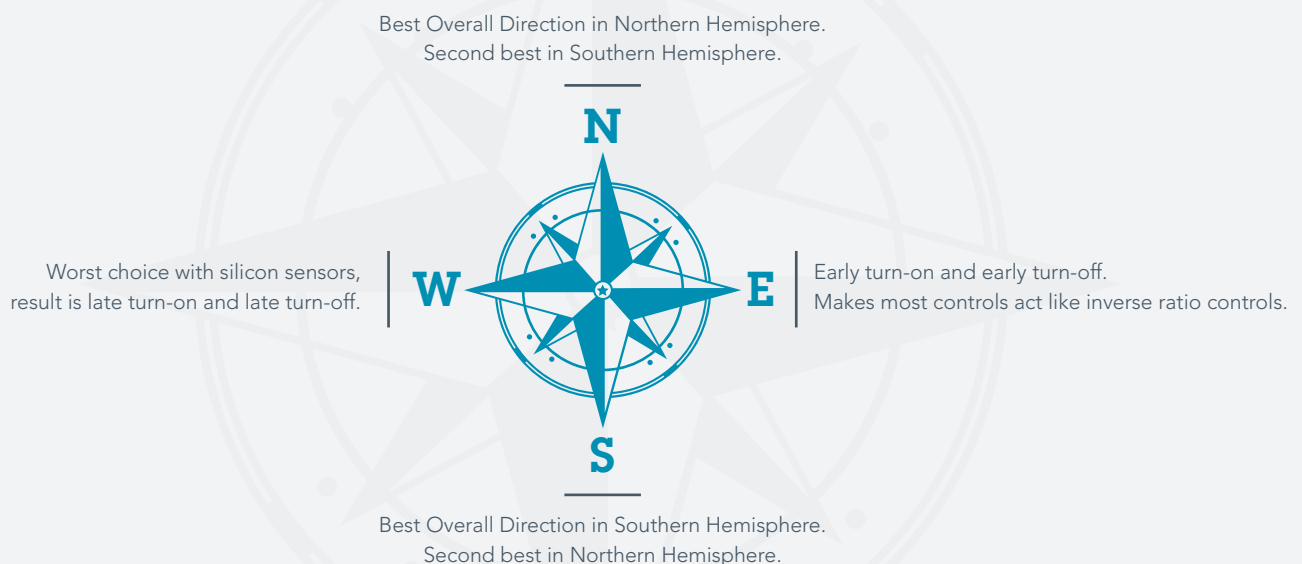
### Can a multivolt control be used as a substitute for a 120V photocontrol?

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 DIN, please refer to the FAQ document on the DTL DIN product page

## Photocontrol Window Directional Orientation Guidance





**DTL is a Trusted Partner and Market Leader in Outdoor Photocontrols:**

**30+ Years**

We have been a trusted partner to thousands of cities and utilities since 1991

**20+ Patents**

We have shaped the industry with innovations going mainstream

**50M+ Controls Sold**

We are a leading producer of reliable outdoor photocontrols

**<0.1% Failure Rate**

We have a legacy of quality and best in class lifetime value



[www.darktolight.com](http://www.darktolight.com)

**Ready to learn more? Contact your local Agent:**

<https://holophane.acuitybrands.com/contact-us/agent-lookup>

