

# DUO 4 Series



## Elegant Up and Downlight Luminaire

With a unique High Lumen Power Suspension System, the Duo series is an elegant, cable-free and aesthetic up and downlight solution.

With a seamless connector and hidden signal wire, this luminaire seamlessly blends into your environment and space.

Duo gives you perfect optics with intuitive design making it a decorative element that adds a touch of class.

Quantity	Type
Project	Note

### Electrical System

- 3000 lm (30W) Uplight: 15W / Downlight: 15W
- 4410 lm (50W) Uplight: 25W / Downlight: 25W
- 6510 lm (75W) Uplight: 25W / Downlight: 50W
- Power Input: Universal (120-277V)
- Operating Temperature: -13°F~104°F
- Surge Protection: 2.5KV

### LED Technology

- 2700K, 3000K, 3500K, 4000K
- 85 CRI, 93 CRI
- Beam Angle:
  - Down: 15°, 25°, 35°, 60°, 100° (with diffuser)
  - Up: 35°, 60°, 100° (with diffuser)
- Rated Life > 60,000 Hours (L70)

### Advanced Dimming

(Proprietary VX Driver is incorporated to all dimming options for video flicker-free lighting)

#### Without Signal Wire

##### - Non-Dimming

- **30W / 50W only:**
- **TRIAC:** Line-voltage phase control, dims to 1% (**120V only**)
- **3-wire:** LUTRON Hi Lume 3-wire, dims to 1% (**UNV only**)
- **ECOsistem:** LUTRON Hi Lume ECOsystem, dims to 1% (**UNV only**)

#### With Signal Wire

- **Superior 0-10V:** dims to 1%
  - Single Dimming (Controls Up/Down Together)
  - Dual Dimming (Controls Up/Down Separately)
- **DMX:** high resolution dims to 0.1% (RJ45 only)
  - (Supports ANSI E1.20 RDM protocol)
  - Single Dimming (Controls Up/Down Together)
  - Dual Dimming (Controls Up/Down Separately)

### Housing

- Diameter: 4.8" (122mm)
- Height: 15.1" (383mm)
- Material: Aluminum
- Weight: 8.5 lbs
- Canopy Height: 2.17"

### Mounting

- Adjustable Aircraft Cable 10ft with High Lumen Power Suspension (Canopy Height: 2.17" )
- Adjustable Aircraft Cable 10ft with High Lumen Power Suspension and Remote Power (Canopy Height: 0.84" )
- Wall Mount
- Remote Emergency Pack

### Warranty

- 5 year limited warranty

### Listing

- UL Dry Location Listed
- UL Damp Location Listed (Wall Mount Only)

# DUO 4 Series



## How To Specify:

Ordering Example: **DUO4-50-408-U-DMXRD-6035-B-AD10**

4-5 weeks lead time on over 75% of specifications.

### Model

**DUO4**

**DUO4**  
Duo 4

### Wattage

**30** Downlight: 15W | Uplight: 15W  
**50** Downlight: 25W | Uplight: 25W  
**75** Downlight: 50W | Uplight: 25W

### CCT / CRI

**278** 2700K / CRI85  
**308** 3000K / CRI85  
**358** 3500K / CRI85  
**408** 4000K / CRI85  
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**279** 2700K / CRI93  
**309** 3000K / CRI93  
**359** 3500K / CRI93

### Voltage

**U** 120-277V

### Dimming

#### Without Signal Wire

**NOD** NON-Dimming  
**TRC<sup>1</sup>** TRIAC dims to 1% (120V ONLY)  
**ECO<sup>1</sup>** LUTRON ECOsystem (UNV ONLY)  
**3WIR<sup>1</sup>** LUTRON 3-wire dims to 1% (UNV ONLY)

#### With Signal Wire

**SPVS** Superior 0-10V dims to 1% Single (Up/Down Together)  
**SPVD** Superior 0-10V dims to 1% Dual (Up/Down Separately)  
**DMXRS<sup>2</sup>** DMX dims to 0.1% Single (Up/Down Together)  
**DMXRD<sup>2</sup>** DMX dims to 0.1% Dual (Up/Down Separately)

<sup>1</sup> Option is only compatible with 30W/50W.

<sup>2</sup> Option only applies to RJ45 Sockets.

### Beam Angle

#### Downlight:

**15** 15°  
**25** 25°  
**35** 35°  
**60** 60°  
**WD<sup>1</sup>** 100° (with diffuser)

#### Uplight:

**35** 35°  
**60** 60°  
**WD<sup>1</sup>** 100° (with diffuser)

<sup>1</sup> Please factor in change in lumen output with diffuser (-20% with WD; -12% with other degrees).

### Finish

**B** Black  
**W** White

### Mounting

**AD10** Adjustable Aircraft Cable 10ft  
**AD10RM** Adjustable Aircraft Cable 10ft Remote Power  
**WLM<sup>1</sup>** Wall Mount  
**EMP** Remote Emergency Pack

<sup>1</sup> Option is not compatible with DMX.

# DUO 4 Series

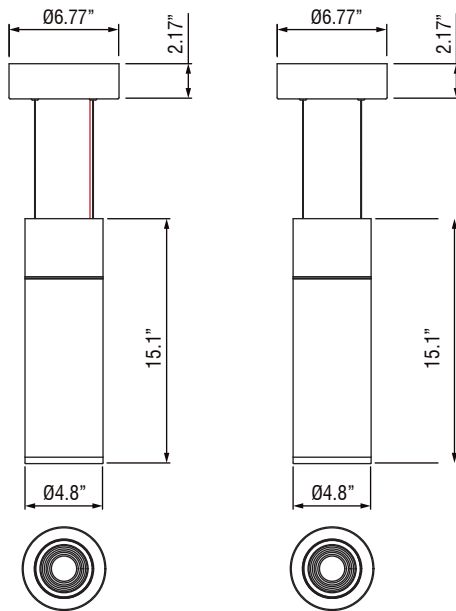


## Delivered Lumens\*

Wattage CCT	30W		50W		75W	
	UP (15W)	DOWN (15W)	UP (25W)	DOWN (25W)	UP (25W)	DOWN (50W)
4000K	1500 lm	1500 lm	2205 lm	2205 lm	2205 lm	4305 lm
3500K	1460 lm	1460 lm	2180 lm	2180 lm	2180 lm	4210 lm
3000K	1380 lm	1380 lm	2060 lm	2060 lm	2060 lm	3980 lm
2700K	1338 lm	1338 lm	1990 lm	1990 lm	1990 lm	3720 lm

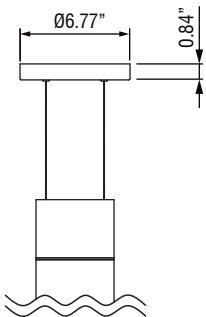
\*Tolerance ± 8%

## Dimensions



SPV / DMX  
with signal wire.

NON / TRC / ECO / 3-wire  
without signal wire.



With Remote Power  
(Remoted length can be 50ft max.)

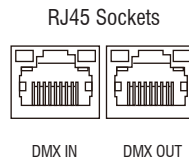
## DMX Requirements\*

The DUO 4 LED fixture with DMX is a ONE CHANNEL DMX unit.

**When placing order, please indicate DMX address.** (The DMX address will be listed on the back of the fixture.)

The LED fixture provide RJ45 Socket socket to connect. (DMX cable NOT included.)

The final fixture should be terminated by the use of DMX Terminator (by others).

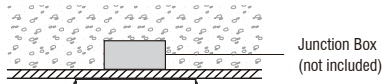


CONNECTION	RJ45 (CAT5e)
Common	WHITE/BROWN(PIN7) & BROWN(PIN 8)
Signal -	ORANGE(PIN 2)
Signal +	WHITE/ORANGE(PIN 1)
Spare	-
Spare	-

# DUO 4 Series

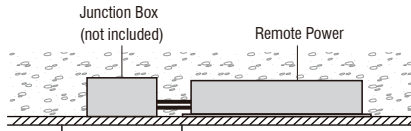


## Mounting Options



Junction Box  
(not included)

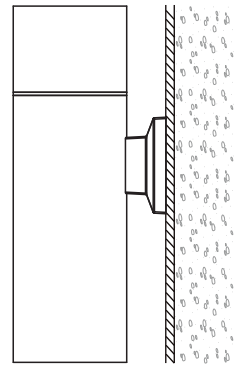
Adjustable Aircraft Cable  
with High Lumen Power Suspension



Junction Box  
(not included)

Remote Power

Adjustable Aircraft Cable  
with High Lumen Power Suspension  
and Remote Power



Wall Mount