DUO 4

ELEGANT 4 INCH
UP AND DOWN LUMINAIRE

Housing
Diameter : Ø4.8" | Height : 15.1" | Weight : 8.5 lbs

Material
Housing: High Pressure Die-Cast Aluminum
Lens: Clear polycarbonate

Power Input
50W | 120-277V

Lumen Output
Uplight: 1,045 lm / 25W (RGB), Downlight: 2,205 lm / 25W

Dimming
DMX: High resolution dims to 0.1% (RJ45 only)
(Supports ANSI E1.20 RDM protocol)
Dual Dimming (Controls Up/Down Separately)

Color Quality	Rated Life
CRI 85, CRI 93	UGR ≤ 19	> 60,000 Hours (L70)

Finish	Color Temperature			
Black White	2700K	3000K	3500K	4000K

Optics

15° DOWN	25° DOWN	35° DOWN	60° UP/DOWN	Wide UP/DOWN

Mounting

Power Line	Power Line Remote Power

Warranty
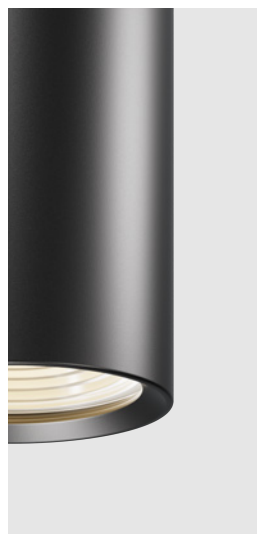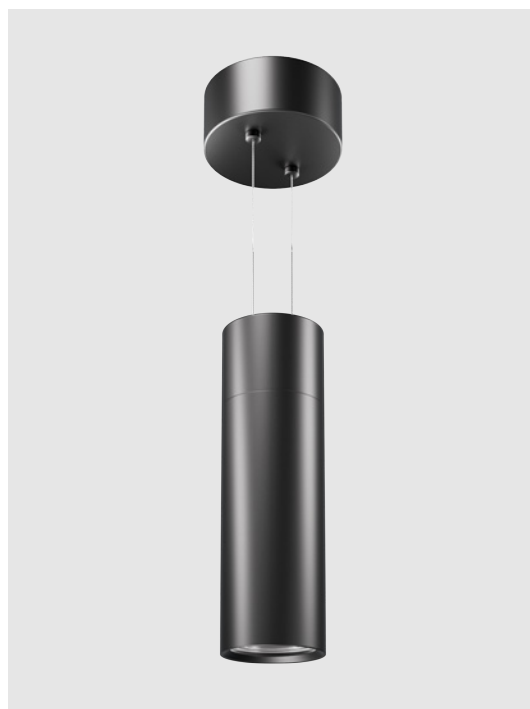5 Year limited warranty

Listing

ETL Intertek
c US LISTED

Revolutionary Mounting System

Perfect for highlighting beautiful ceiling spaces, the embedded Powerline™ System offers a highly aesthetic fixture, with a less than 1-inch canopy option for that truly quiet ceiling design.

Available in a range of dimming capabilities including DMX, this added technology does not compromise the look and feel of the luminaire and is done through a hidden signal wire that can also offer separate uplight and downlight dimming controls.

METEOR

meteor-lighting.com

DUO 4

ELEGANT 4 INCH
UP AND DOWN LUMINAIRE

METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

DUO4	**MODEL**	**DUO 4**			
50	**WATTAGE**	**50** Downlight: 25W Uplight: 25W			
	CCT / CRI	*Downlight* **278** 2700K / CRI 85 **408** 4000K / CRI 85	**308** 3000K / CRI 85	**358** 3500K / CRI 85	
RGB		*Uplight* **RGB**			
UNV	**VOLTAGE**	**UNV** 120 – 277V			
DMXRD	**DIMMING**	*With Signal Wire* **DMXRD**[1] DMX dims to 0.1% Dual (Up/Down Separately)			
	BEAM ANGLE	*Downlight* **15** 15° **60** 60°	**25** 25° **WD**[2] Wide	**35** 35°	
		Uplight **60** 60°	**WD**[2] Wide		
	FINISH	**BLK** Black	**WHT** White		
	MOUNTING	**PL2 (2 / 4 / 6 / 8 / 10)** Power Line Mount (2, 4, 6, 8, and 10 ft.)	**PL2RM (2 / 4 / 6 / 8 / 10)** Power Line Mount with Remote Power (2, 4, 6, 8, and 10 ft.)		

[1] *Option only applies to RJ45 Sockets*

[2] *Please factor in change in lumen output with WD -20%*

TECHNICAL DETAILS

Electrical

- Uplight: 1,045 lm (25W/RGB)
- Downlight: 2,205 lm (25W)
- Power Input: Universal (120-277V)
- Operating Temperature: -13°F~104°F
- Surge Protection: Built-in is 2.5KV
- Power Factor Greater than 0.9

LED Features

- Color Temperature: 2700K, 3000K, 3500K, 4000K
- CRI 85, CRI 93
- UGR ≤ 19
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 60,000 Hrs

Optics

- Precision molded high transmittance clear lenses
- Beam Angle Down: 15°, 25°, 35°, 60°, WD
- Beam Angle Up: 60°, WD

Advanced Dimming

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

  With Signal Wire
- DMX: high resolution dims to 0.1% (RJ45 only)
  (Supports ANSI E1.20 RDM protocol)
  Dual Dimming (Controls Up/Down Separately)

Housing

- Diameter: Ø4.8"
- Height: 15.1"
- Material: High Pressure Die-Cast Aluminum
- Weight: 8.5 lbs
- Canopy Height: 2.95"

Mounting

- Power Line Mount 2ft, 4ft, 6ft, 8ft, 10ft (Canopy Height: 2.95")
- Power Line Mount 2ft, 4ft, 6ft, 8ft, 10ft with Remote Power (Canopy Height: 0.84")

Warranty

- 5-year limited warranty

Listing

- ETL Damp Location Listed

PERFORMANCE SUMMARY*

Delivered Lumens			
50W UP (25W)	R	G	B
	125lm	820lm	100lm
50W DOWN (25W)	2700K	3000K	3500K	4000K
	1,900lm	2,060lm	2,180lm	2,205lm

Current Consumption		
WATTAGE / VOLT	120V	277V
30W	0.28A	0.12A
50W	0.46A	0.20A
75W	0.69A	0.30A

Tolerance ±8%

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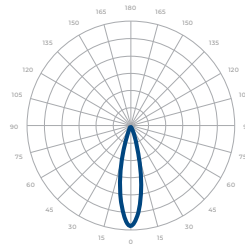
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PHOTOMETRICS

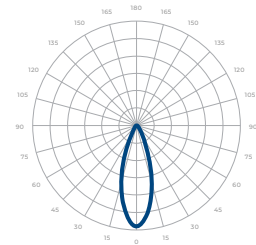Below is a typical photometric representation of the Duo 4 fixture. Please download IES files to ensure exact photometric value.
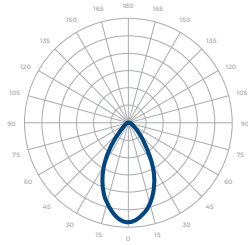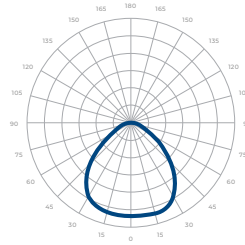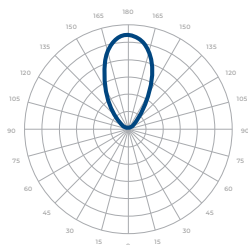
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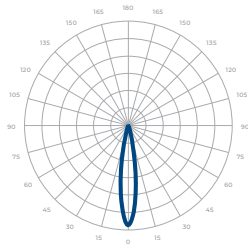
15°

25°

35°

60°

WIDE

Uplight:

60°

WIDE

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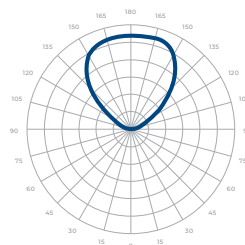
DMX REQUIREMENTS

The Duo 4 W+RGB fixture with DMX is a **four channel dmx** unit. When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

Fixture	DMX Address			
	Red Control (ex. X) Uplight	Green Control (ex. X+1) Uplight	Blue Control (ex. X+2) Uplight	White Control (ex. X+3) Downlight
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

The fixture can be connected with RJ45 sockets. DMX cables **are not** included; please refer to compatible DMX cabling list for more information. The final fixture on each daisy chain should be terminated by the use of a DMX terminator purchased from a 3rd party or from Meteor.

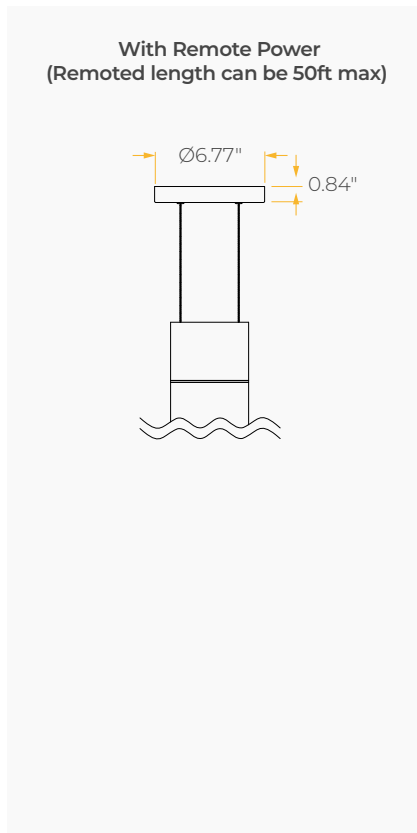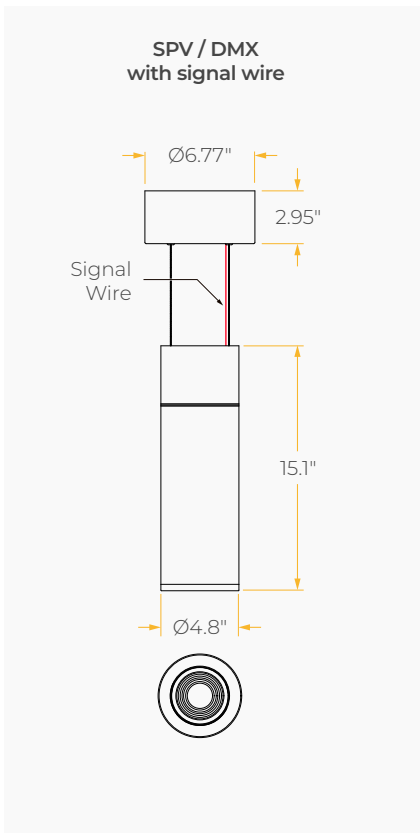| CONNECTION	RJ45 (CAT5e)
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)
Signal -	ORANGE (PIN 2)
Signal +	WHITE/ORANGE (PIN 1)
Spare	-
Spare	-

DMX IN ⎯⎯ ⎯⎯ DMX OUT

RJ45 Sockets
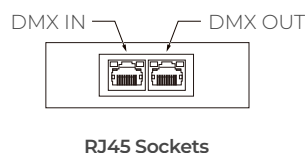
COMPATIBLE DMX CABLING LIST

DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable **must not be used to carry DMX**. Network cable (Cat5, 5e or 6 cable) may be used to carry DMX in an installation; however special consideration must be given to shielding and termination. Under no circumstances should solid core cable like Cat5 be terminated into a screw down connector.

Meteor recommends the use of Belden 9729 for DMX installation. Belden 9729 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed.

DIMENSIONS

SPV / DMX with signal wire

Ø6.77"

2.95"

Signal Wire

15.1"

Ø4.8"

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

Ø6.77"

0.84"

MOUNTING OPTIONS*

*Juntion Box not included

Power Line Mount with High Lumen Power Suspension

Junction Box

Power Line Mount with High Lumen Power Suspension and Remote Power

Junction Box

Remote Power

Length of cable from Junction Box to Power Box is 2ft