

DUO 4

SPECIFICATION SHEET
STATIC WHITE

ELEGANT 4 INCH UP AND DOWN LUMINAIRE

Housing

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

Material

Housing : Extruded Aluminum

Lens : Clear polycarbonate

Power Input

Downlight : 15W, 25W, 50W | 120-277V

Uplight : 15W, 25W | 120-277V

Lumen Output

Downlight : 1,890 lm (15W), 2,795 lm (25W), 6,050 lm (50W)

Uplight : 1,500 lm (15W), 2,205 lm (25W)

Dimming

TRC : Linear line-voltage phase control, dims to 1%

LDE1 : Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black

Superior 0-10V : Dims to 1%

DMX : High resolution dims to 0.1% (RJ45 only)

(Supports ANSI E1.20 RDM protocol)

Color Quality

CRI 85, CRI 93 | UGR ≤ 19

Rated Life

> 100,000 Hours (L70)

Finish



Black



White

Color Temperature



2700K



3000K



3500K



4000K

Optics



20°
DOWN



30°
DOWN



45°
DOWN



35°
UP



60°
UP/DOWN



WIDE
UP/DOWN

Mounting



Power Line



Power Line
Remote Power

Warranty

5 Year limited warranty

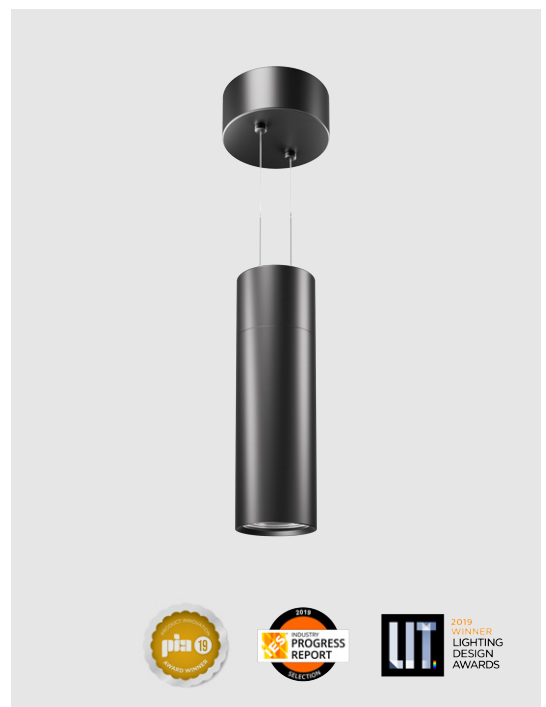
Listing



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

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

The product configurator function on this page works only with the latest version of Chrome or Adobe Acrobat Reader.

<input type="text" value="DUO4"/>	MODEL	DUO 4		
<input type="text"/>	WATTAGE	30 Downlight: 15W Uplight: 15W	50 Downlight: 25W Uplight: 25W	75 Downlight: 50W Uplight: 25W
<input type="text"/>	CCT / CRI	278 2700K / CRI 85 309 3000K / CRI 93 408 4000K / CRI 85	279 2700K / CRI 93 358 3500K / CRI 85	308 3000K / CRI 85 359 3500K / CRI 93
<input type="text" value="UNV"/>	VOLTAGE	UNV 120 – 277V		
<input type="text"/>	DIMMING	<p>Without Signal Wire</p> <p>NOD Non-Dimming</p> <p>TRC¹ Linear line-voltage phase control, dims to 1%</p> <p>LDE1² Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black</p> <hr/> <p>With Signal Wire</p> <p>SPVS Superior 0-10V dims to 1% Single (Up/Down Together)</p> <p>SPVD Superior 0-10V dims to 1% Dual (Up/Down Separately)</p> <p>DMXRD³ DMX dims to 0.1% Dual (Up/Down Separately)</p> <p>DMXRS³ DMX dims to 0.1% Single (Up/Down Together)</p>		
<input type="text"/>	BEAM ANGLE	<p>Downlight</p> <p>20 20° 30 30° 45 45°</p> <p>60 60° WD⁴ Wide</p> <hr/> <p>Uplight</p> <p>35 35° 60 60° WD⁴ Wide</p>		
<input type="text"/>		<p>FINISH BLK Black WHT White</p>		
<input type="text"/>	MOUNTING	<p>PL#(2/4/6/8/10)⁵ Power Line Mount (2, 4, 6, 8, and 10 ft.)</p> <p>PL#RM(2/4/6/8/10)⁵ Power Line Mount with Remote Power (2, 4, 6, 8, and 10 ft.)</p>		
<input type="text"/>	ACCESSORIES	EMP Remote Emergency Pack		

CLEAR FORM

¹ TRC is only compatible with 120V and not compatible with 50, 75
² LDE1 is not compatible with 75
³ DMXR connects with RJ45 Sockets
⁴ WD option reduces delivered lumens by ~20%
⁵ Replace “#” with the required length designation. ex: PL2, PL4

TECHNICAL DETAILS**Electrical**

- Downlight : 1,890 lm (15W), 2,795 lm (25W), 6,050 lm (50W)
- Uplight : 1,500 lm (15W), 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
- Remote Emergency Pack : Bodine BSL20B2UEK55C1II

LED Features

- Color Temperature : 2700K, 3000K, 3500K, 4000K
- CRI 85, CRI 93
- UGR ≤ 19
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 100,000 Hrs

Optics

- Precision molded high transmittance clear lenses
- Beam Angle Down : 20°, 30°, 45°, 60°, WD
- Beam Angle Up : 35°, 60°, WD

Advanced Dimming

- Proprietary VX Driver™ is integrated across all dimming options, delivering video flicker-free performance and full compliance with IEEE 1789.

Without Signal Wire

- TRC : Linear line-voltage phase control, dims to 1% (120V only)
- LDE1 : Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black

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 : Ø4.8"
- Height : 15.1"
- Material : Extruded 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
- CE
- FCC

PERFORMANCE SUMMARY*

Delivered Lumens				
CCT/WATTAGE	2700K	3000K	3500K	4000K
30W UP (15W)	1,835lm	1,875lm	1,880lm	1,890lm
30W DOWN (15W)	1,835lm	1,875lm	1,880lm	1,890lm
50W UP (25W)	2,710lm	2,770lm	2,780lm	2,795lm
50W DOWN (25W)	2,710lm	2,770lm	2,780lm	2,795lm
75W UP (25W)	2,710lm	2,770lm	2,780lm	2,795lm
75W DOWN (50W)	5,870lm	5,990lm	6,015lm	6,050lm

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

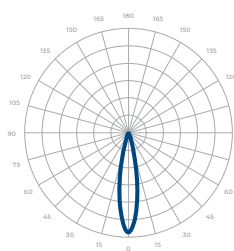
*Tolerance ±8%

* For specifications requiring a CRI of 93, apply a 0.75 multiplier to the lumen output values listed.

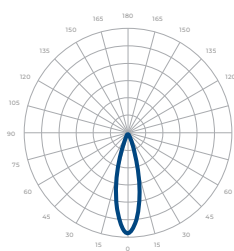
PHOTOMETRICS

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

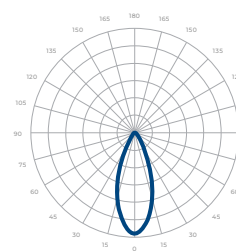
Downlight :



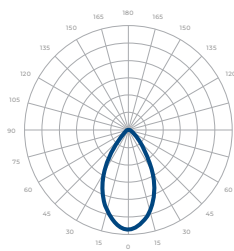
20°



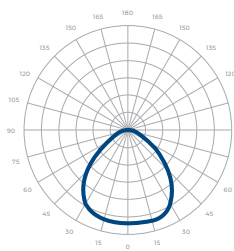
30°



45°

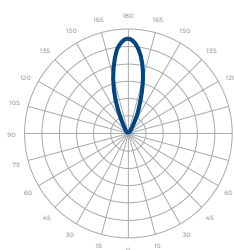


60°

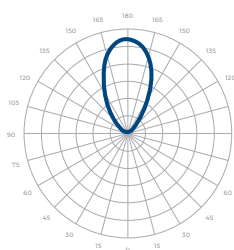


WIDE

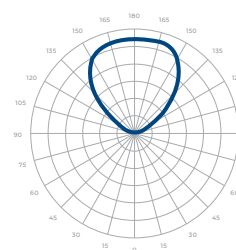
Uplight :



35°



60°



WIDE

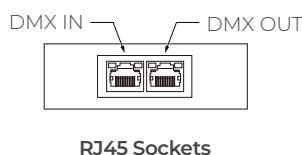
DMX REQUIREMENTS

The Duo 4 fixture with DMX unit has **two channels** per fixture (1 to control uplight, 1 to control downlight). 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.

DMX Address		
Fixture	Uplight (ex. X)	Downlight (ex. X+1)
#1	1	2
#2	3	4
#3	5	6

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	-



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.

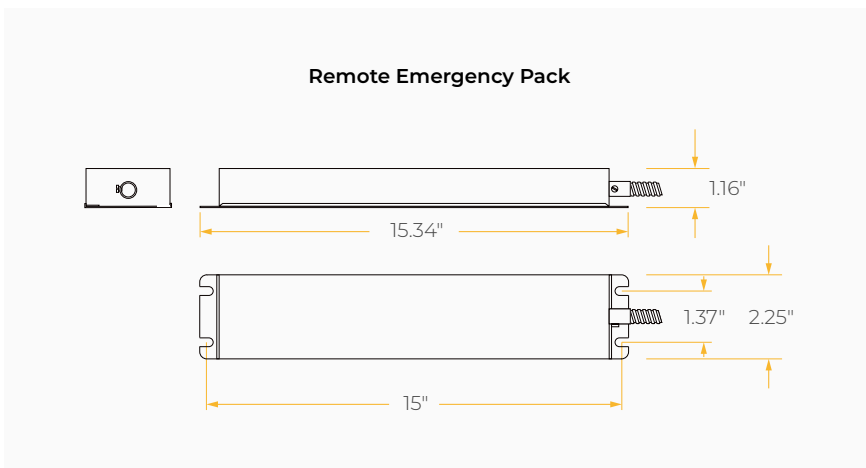
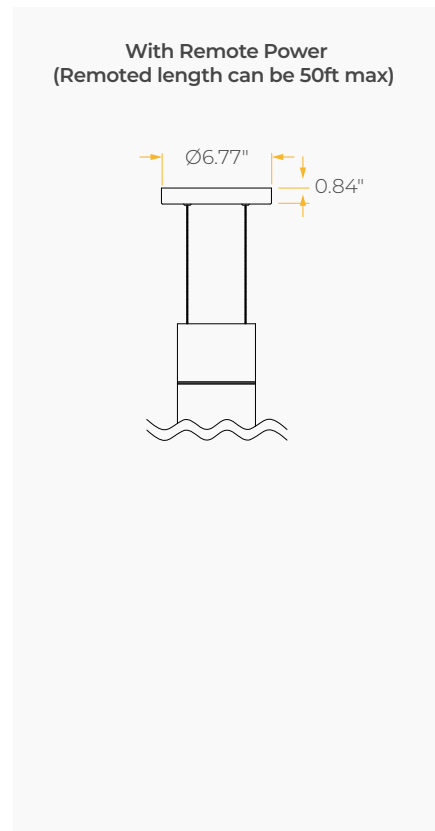
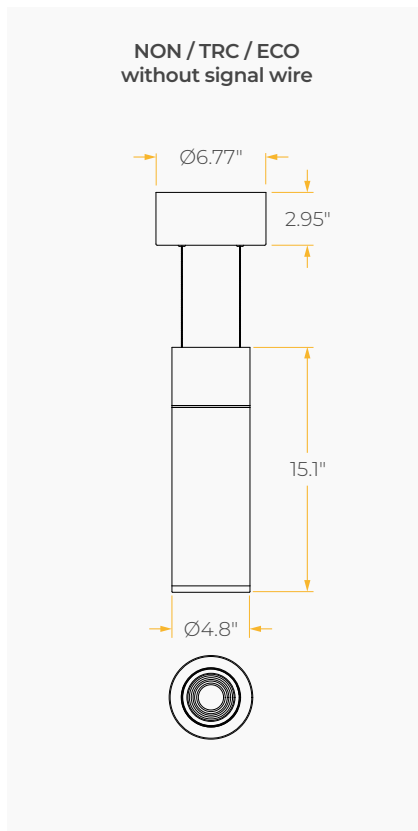
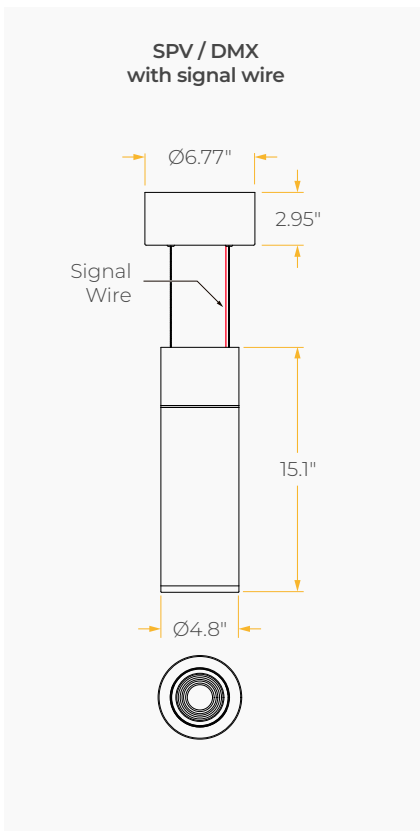
COMPATIBLE TRC DIMMER LIST

PART NO.					
Lutron S-603PG	Lutron DVCL-153P	Lutron DVLV-600P	Lutron TGCL-153P	Lutron S-600P	Lutron DVELV-303P
Lutron SELV-300P	Lutron TG-600P	Lutron DVLV-600P	Lutron LG-600P	Lutron CT-103P	Lutron MAELV-600
Lutron FAELV-500	Leviton IPI06-1LZ	Leviton 6631-2	Leviton VPE06	Leviton 6683-IW	Leviton 6161
Leviton 6633-P	Leviton IPE04	Cooper DLC03P	Cooper SLC03P	Cooper DAL06P	Lightolier ZP260QEW

COMPATIBLE LDE1 DIMMER LIST

LUTRON PART NO.						
RMJ-ECO32-DV-B	FCJ/FCJS-ECO	QSN-1ECO-S	QSN-2ECO-S	QSGRJ-_E	QSGR-_E	QP2-__2C
QP2-__4C	QP2-__6C	QP2-__8C	LQSE-2ECO-D			

DIMENSIONS



MOUNTING OPTIONS*

*Junction Box not included

