Voilà

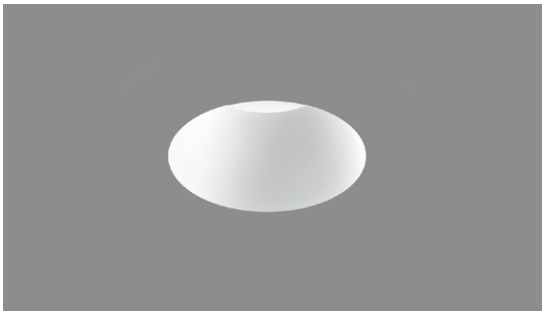
True 2" Round Downlight

Fixed/Adjustable

Lumenwerx

Project: _____

Type: _____



Trimless

Trim

Voila 2" round downlights feature innovative Hyflex™ optics for precise beam control. Shallow construction requires only a 4" recess depth. Driver can be replaced through 2" aperture. The Voila COB source with 90+ CRI and 2-step color consistency matches other Lumenwerx luminaires, and is available in Chromawerx SOLA (dim-to-warm) and DUO (tunable white). Complete Voila offering includes 2" and 4" apertures; downlights, adjustables, and wall washers; round and square trim; and cylinders; see separate specifications.

Performance

LUMEN OUTPUT [1]	WATTS	EFFICACY LM/W
896 lm	7 W	128 lm/W
1103 lm	10 W	110 lm/W
1338 lm	14 W	96 lm/W

[1] Lumens packages are assuming 3500K, 80+ CRI, 30° beam, round white baffle

Delivered Lumens for Round White Standard Baffles at 3500K

CRI	90+ CRI							
BEAM	10	20	30	40	50	60	75	90
Low - 7 W	496	487	822	795	785	730	684	656
Medium - 9.8 W	641	630	1012	978	966	898	841	807
High - 13.8 W	828	814	1228	1187	1173	1090	1021	980

CHROMAWERX

IP44 Shower Rated

Some restrictions may apply.

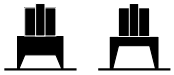
Aperture Size

2.00"

Configurations

Fixed, adjustable & wall wash (see other spec sheets for all the configurations)

Baffle Depth



Standard 0.52" Deep 1.06"

Trim

Trim & Trimless

Baffle & Trim Flange Finishes

- Textured matte white
- Textured matte black
- Mixed black & white
- Custom RAL

Color Temperature

- 2700K
- 3000K
- 3500K
- 4000K
- SOLA
- DUO

Delivered 529-1338 lm
7-14 Watts, up to 128 lm/W

Integral Drivers

0-10V, TRIAC & ELV

Remote Drivers

Lutron, eldoLED and other drivers
Remote emergency battery pack

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VOILA2-ROUND-DOWNLIGHT-SPEC-REV12 September 5, 2025

Voilà

True 2" Round Downlight

Fixed/Adjustable

Lumenwerx

Project: _____

Type: _____

1 - Housing (Example: VO2RR-TRM-SW-OF-ASB-120-7W-D1)

Product Specification

LUMINAIRE ID	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION	VOLTAGE	WATTAGE (80+ CRI) [2]	DIMMING		
VO2RR									
VO2RR - Voila 2" Round Recessed	**TRM** - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**SW** - Static white	**OF** - Open frame type non-IC **IC** - IC rated **CP** - Chicago Plenum type-IC (CCEA)	**ASB** - Adjustable standard bar hangers (grid and drywall) **FMB** - Flush mount bars (drywall only) **ACB** - Adjustable commercial bar hangers (grid and drywall) **AHC** - Adjustable hat channel bars **NA** - No bar hangers	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** [1] - 347V [1] Available with remote 0-10V dimming options RD1 and RSD1 only. Consult factory for details.	**7W** - Low output 529-896 lm **10W** - Medium output 683-1103 lm **14W** - High output 883-1338 lm [2] For delivered lumens and other CRI, see multiplier tables on page 3.	**INTEGRAL** **D1** - 1% 0-10V **ELV** [3] - ELV 120V **TRI** [3] - TRIAC 120V [3] Available with 120V only.	**REMOTE** **RD1** - 1% 0-10V **RELV** [4] - ELV 120V **RTRI** [4] - TRIAC 120V **RLDE1** [5] - Lutron Hi-lume 1% Eco **RDA** [5] - DALI **RELD0** - eldoLED 0.1% **RELD1** - eldoLED 1% [4] Available with 120V only. [5] On-site commissioning is required.	**+EB** [6] - Emergency battery [6] Specify with remote dimming only. The code will be like the following example: **RD1+EB**.
		SOLA - Dim-to-warm **DUO** - Tunable white				**SOLA** **8W** - Low output 560 lm (20° only) **13W** - High output 740-900 lm (40° and up) **DUO** **5W** - Low output 300 lm (20° only) **10W** - High output 530-640 lm (40° and up)	**SOLA** **SD1** - Single 0-10V input	**SOLA** **RSD1** - Single 0-10V input **DUO** **RDMX** [5] - To specify, see pages 7 to 9 **RDDA** [5] - DALI DT6 **RDDA8** [5] - DALI DT8 **RDD1** - Dual 0-10V input for CCT/Intensity **RLD2** [5] - Lutron DALI-2 digital	

2 - Light (Example: VO2-SW-10-2-90-27-LS)

LUMINAIRE ID	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.	OPTION
VO2						
VO2 - Voila 2"	**SW** - Static white	**10** - 10° Narrow spot **20** - 20° Spot **30** - 30° Narrow flood **40** - 40° Flood **50**- 50° Wide flood **60** - 60° Very wide flood **75** - 75° Very wide flood **90** - 90° Open flood	**2** - 2 Step MacAdam Ellipse **3** - 3 Step MacAdam Ellipse	**80** - 80+ CRI **90** - 90+ CRI **95** - 95+ CRI	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K	**LS** [9] - Linear spread **HEX** [9 10] - Hex louver **NA** - None [9] Hex louver & linear spread cannot be combined together. [10] Not available with 60°/75°/90° beam options.
	SOLA - Dim-to-warm **DUO** - Tunable white	**20** [7] - 20° Spot **40** [8] - 40° Flood **50** [8] - 50° Wide flood **60** [8] - 60° Very wide flood **75** [8] - 75° Very wide flood **90** [8] - 90° Open flood [7] Available with low output only. [8] Available with high output only.	**3** - 3 Step MacAdam Ellipse	**90** - 90+ CRI (**SOLA** and **DUO**)	**SOLA** - Dim-to-warm 35K-22K **DUO** - Tunable white 65K-27K	

3 - Baffle (Example: VO2RRB-TRM-SDL-SR-TMW-TMW)

LUMINAIRE ID	TRIM STYLE [11]	LENS [11]	BAFFLE POSITION	BAFFLE FINISH [11]	TRIM FLANGE FINISH [11]
VO2RRB					
VO2RRB - Voila 2" Round Recessed Baffle	**TRM** - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**SDL** - Soft diffused lens **FDL** - Frosted diffused lens **NOL** - No lens	**SR** - Standard regress **DR** - Deep regress (fixed only)	**TMW** - Textured matte white **TMB** - Textured matte black **CF#** - Custom finish, specify RAL# (e.g. **CF1028**)	**TMW** [12] - Textured matte white **TMB** [12] - Textured matte black **CF#** [12] - Custom finish, specify RAL# (e.g. **CF1028**) **NA** - None [12] Applicable for **TRM** only.

[11] IP44 rated for bathrooms, showers, outdoor canopies and marquees when specified with lens options (**SDL, FDL**), trim option (**TRM**), and the same finish for both the baffle and trim.

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VOILA2-ROUND-DOWNLIGHT-SPEC-REV12 September 5, 2025

Voilà

True 2" Round Downlight

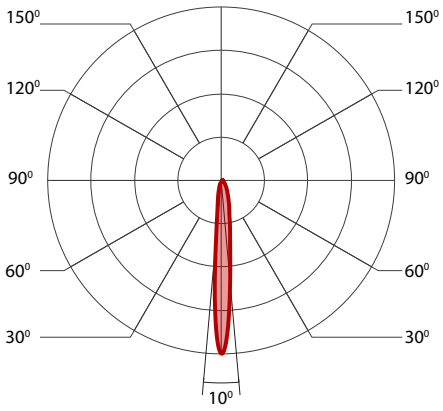
Fixed/Adjustable

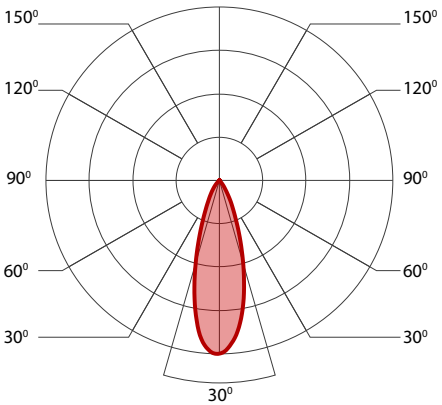
Project: _____

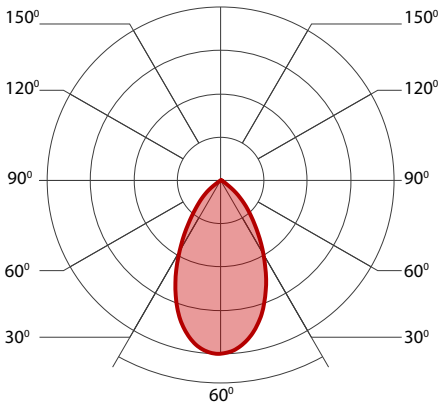
Type: _____

Photometrics

Please follow the multiplier tables to ensure correct lumen value. Beams, baffle color, lensing, CCT, CRI, baffle shape, baffle depth and accessories will change the lumen value.







Delivered Lumens for Round White Standard Baffles - At 3500K

CRI	80+ CRI								90+ CRI							
BEAM	10	20	30	40	50	60	75	90	10	20	30	40	50	60	75	90
Low - 7 W	537	529	896	869	859	795	748	711	496	487	822	795	785	730	684	656
Medium - 9.8 W	694	683	1103	1068	1057	978	921	876	641	630	1012	978	966	898	841	807
High - 13.8 W	897	883	1338	1297	1283	1187	1118	1062	828	814	1228	1187	1173	1090	1021	980

Delivered Lumens - At 3000K

95+ CRI							
10	20	30	40	50	60	75	90
NA	NA	607	588	675	628	589	564
NA	NA	870	841	830	771	724	695
NA	NA	1056	1021	1009	937	878	855

Efficacy Based on Delivered Lumens - High 13.8 W

LPW								
BEAM	10	20	30	40	50	60	75	90
80+ CRI	65	64	97	94	93	86	81	77
90+ CRI	60	59	89	86	85	79	74	71
95+ CRI	NA	NA	77	74	73	68	64	61

SOLA and DUO Max Wattage

90+ CRI								
BEAM	10	20	30	40	50	60	75	90
DUO	NA	5	NA	10	10	10	10	10
SOLA	NA	8	NA	13	13	13	13	13

Multiplier - CCT

CCT	
2700K	0.9
3000K	0.95
3500K	1
4000K	1.05

For SOLA and DUO, please consult factory.

Multiplier - Baffle Color, Shape and Depth

BAFFLE VARIABLES		
White	Round standard	1
White	Square standard	0.89
Black	Round standard	0.95
Black	Square standard	0.87
White	Round deep	0.96
White	Square deep	0.85
Black	Round deep	0.85
Black	Square deep	0.76

Multiplier - Optical Options

LENS AND LOUVERS	
No lens	1
Soft diffused lens	0.94
Frosted lens	0.78
Linear spread	0.9
Hex louvers	0.82

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VOILA2-ROUND-DOWNLIGHT-SPEC-REV12 September 5, 2025

Voilà

True 2" Round Downlight

Fixed/Adjustable

Lumenwerx

Project: _____

Type: _____

Technical Specification

DESCRIPTION Compact fixed or adjustable 2" downlight with multiple output, color, beam, and dimming options.

HOUSING CONSTRUCTION For new construction, 20 gauge powder coated steel. Open frame, type-IC, or Chicago Plenum (CCEA) rated. 18 gauge galvanized steel junction box with ½" trade size knockouts. Adjustable standard, flush mount, adjustable commercial, and adjustable hat channel bar hangers are available as mounting options.
Clearance Height: Open frame 4", IC and Chicago Plenum 4"
Ceiling Thickness: Can accommodate ½" to 1"
Housing weight: Type-IC/Chicago Plenum - 7.5 lbs - 3.4 kg; Open Frame - 5.5 lbs - 2.5 kg
Ceiling cut out: Ø 3 ¼"

LIGHT ELEMENT
Adjustability: Hot aiming, lockable, 360° rotation and 30° vertical tilt
LED Module: Integral COB module. 90+ CRI and 2 SDCM, standard with options of 80+ CRI, or 95+ CRI. L80 > 60,000 hours
Light Output: From 537-1338 lumens
HyFlex™ Optics: Proprietary TIR/reflector with field interchangeable beam smoothing lenses.
Optical Accessories: Linear spread lens and hex cell louver can accommodate up to two in the light element.
Thermal Management: Cold-forged aluminum heat sink to maximize thermal dissipation.

BAFFLE
Die-cast aluminum retained ½" or 1" deep with rare earth magnets.
Trim style options: Round and square with flanged trim, trimless with mudplate for drywall, or trimless for millwork.

CHROMAWERX SOLA (dim-to-warm) and DUO (tunable white). See page 6 for more information.

ELECTRICAL
Integral: 0-10V, ELV, TRIAC
Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume EcoSystem, DALI, eldoLED 0.1%, eldoLED 1%, DMX, Lutron DALI-2 digital
Emergency Options: Bodine emergency battery back-up is installed remotely. For 7 W or 10 W fixtures, battery provides 6 W of power. For 14 W fixtures, battery provides 10 W of power.

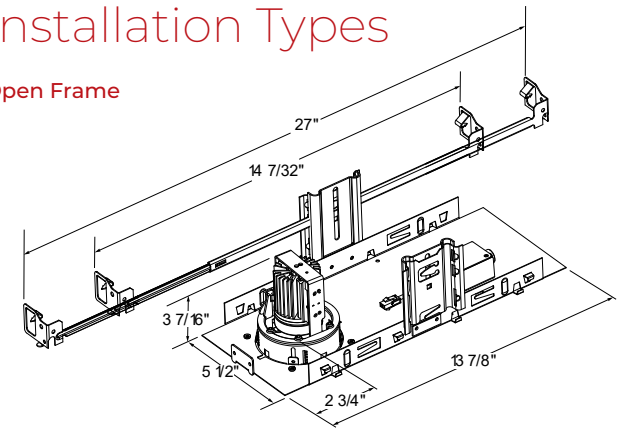
ENVIRONMENT Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

LISTING cETLus listed to UL 1598 Standard and CAN/CSA Standard C22.2 No. 250.0. IP44 rated for bathrooms, showers, outdoor canopies, and marquees when specified with lens options (SDL, FDL), trim option (TRM), and the same finish for both the baffle and trim.

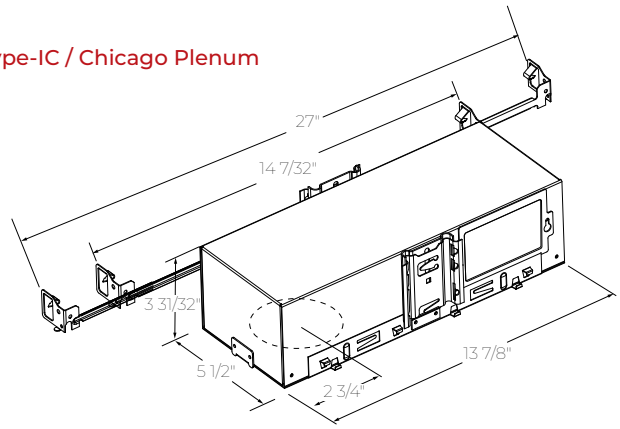
WARRANTY 5 year limited warranty on LED module and power supply. Guaranteed to maintain 70% lumen maintenance.

Installation Types

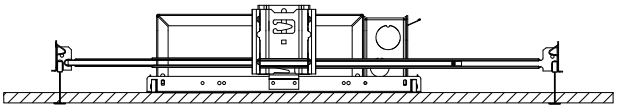
Open Frame



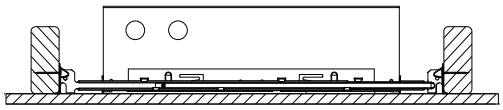
Type-IC / Chicago Plenum



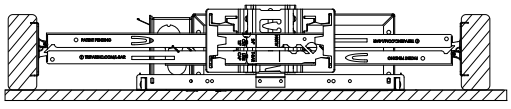
Mounting Options



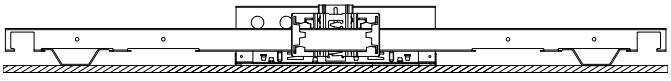
ASB - Adjustable Standard Bar Hangers



FMB - Flush Mount Bars



ACB - Adjustable Commercial Bar Hangers



AHC - Adjustable Hat Channel Bars

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VOILA2-ROUND-DOWNLIGHT-SPEC-REV12 September 5, 2025

Voilà

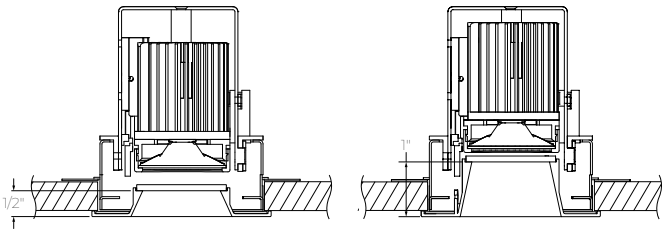
True 2" Round Downlight

Fixed/Adjustable

Project: _____

Type: _____

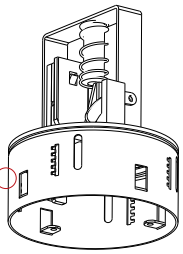
Light



Standard Baffle | Deep Baffle

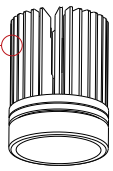
Adjustment Mechanism

Flexible Trim Collar



Light Element

Heat Sink
LED Module
Hyflex Optics

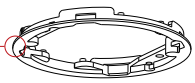


Optical Accessories (Optional)

Linear Spread
Hex Louver

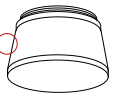
Retaining Ring

Magnetic Snap



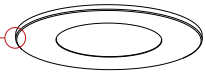
Baffle & Lens

Standard and Deep Regress
Soft Diffused
Frosted Diffused



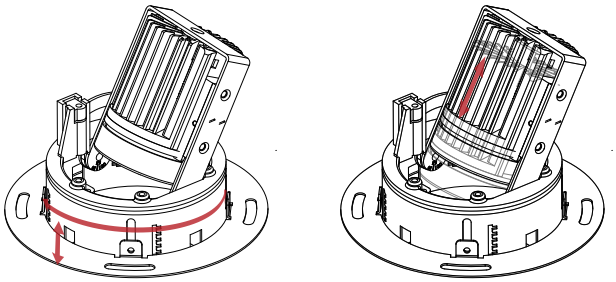
Trim

Trim and Trimless



Optics

Hyflex™ optics provide precise optical control in a remarkably compact form. The core of this four-tier system is a compound reflector with a central TIR element, just 1.06" deep. Beam smoothing discs perfect beam angles up to 90°. Beam angles are easily interchanged in the field.



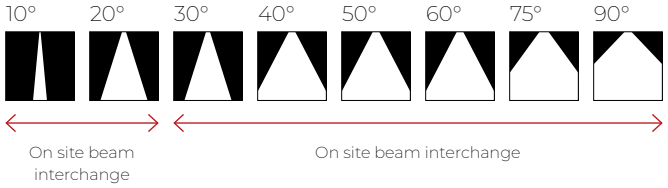
Adjustability

Adjustable Light Element rotates 360° and tilts up to 30°. Screw thread mechanism provides easy tilt adjustment, fixes the aiming angle, and is accessed by removing aperture trim. Supporting collar allows ceilings from ½" to 1" thick.

Light Source - LED

Compact COB (Chip-On-Board) LED module, available in 2700K, 3000K, 3500K and 4000K with a choice of 80+ CRI or 90+ CRI with elevated R9 value (for 95+ CRI, consult factory). Color consistency is maintained to within 2 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

Beam Angles



Options

Linear Spread | Hex Louver

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VOILA2-ROUND-DOWNLIGHT-SPEC-REV12 September 5, 2025

Voilà

True 2" Round Downlight

Fixed/Adjustable

Project: _____

_____

Type: _____

Integral Driver

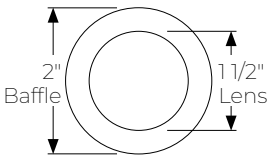
Unless otherwise specified, Voila comes standard with an integral, 120-277 VAC/60Hz, electronic, 1% 0-10V dimming, constant-current LED driver. The driver is field replaceable and features a high power factor, low THD and sources 1 mA on the 0-10V dim line. All integral drivers are located inside the housing and are easily accessible from below the ceiling through the aperture. All dimming drivers comply with IEEE C62.41 surge protection requirements.

Emergency Remote

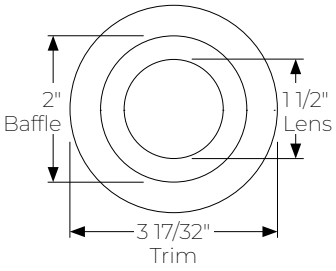
Long-life, high-temperature, emergency LED driver with Lithium Ion battery pack. Features a test switch with charge indicator, minimum of 90 minutes operation. For 7 W or 10 W fixtures, battery provides 6 W of power. For 14 W fixtures, battery provides 10 W of power. Recharge time of 24 hours.

Trim Dimensions

Trimless (TLMP, TLMW)



Trim (TRM)



CHROMAWERX

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. A simple or analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

CHROMAWERX

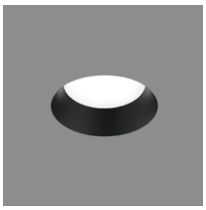
Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool (6500K) to warm (2700K) LED arrays - maintaining a CRI above 90. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

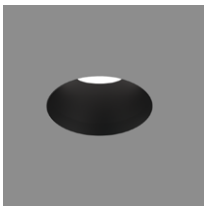
Baffle

Standard Regress

Deep Regress

Trimless (TLMP, TLMW)

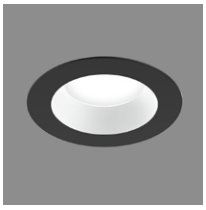




Black Baffle

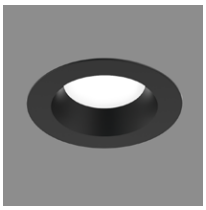
White Baffle

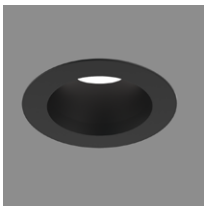
Trim (TRM)



White Baffle, Black Trim

Black Baffle, White Trim





Black Baffle, Black Trim

White Baffle, White Trim

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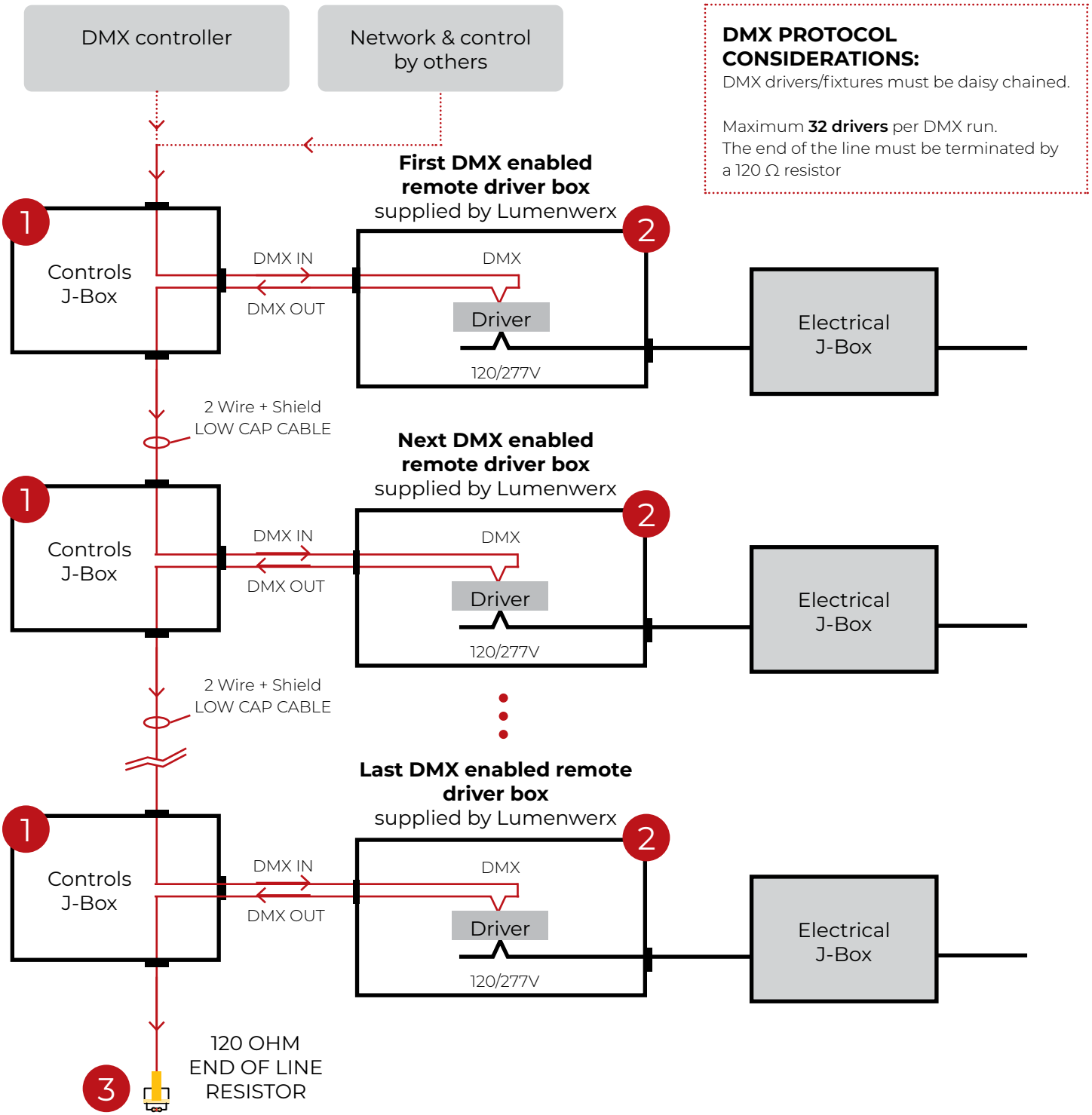
DUO GENERIC DMX NETWORK ARCHITECTURE

A qualified DMX integrator is required to assure proper installation and commissioning of the DMX network. **When placing the PO, please provide the contact information of your DMX integrator.**



DMX PROTOCOL CONSIDERATIONS:

DMX drivers/fixtures must be daisy chained.

Maximum **32 drivers** per DMX run.
The end of the line must be terminated by a 120 Ω resistor

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Voilà

True 2" Round Downlight

Fixed/Adjustable

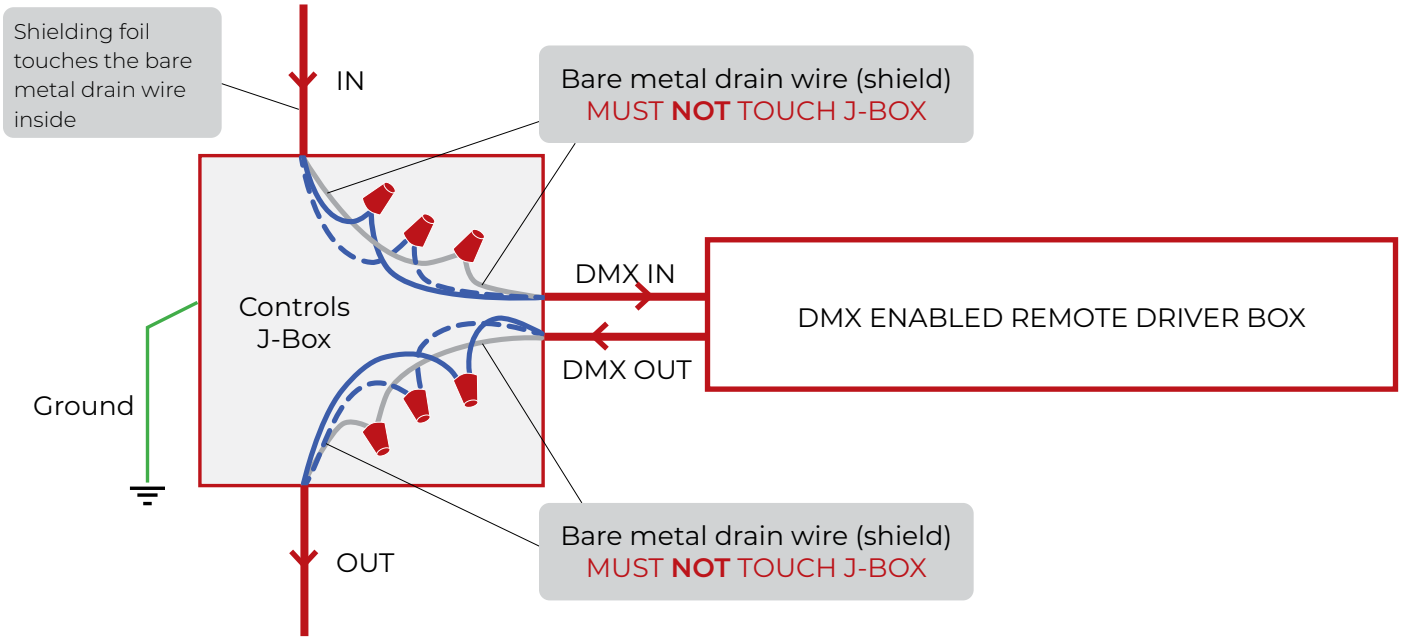
Lumenwerx

Project: _____

Type: _____

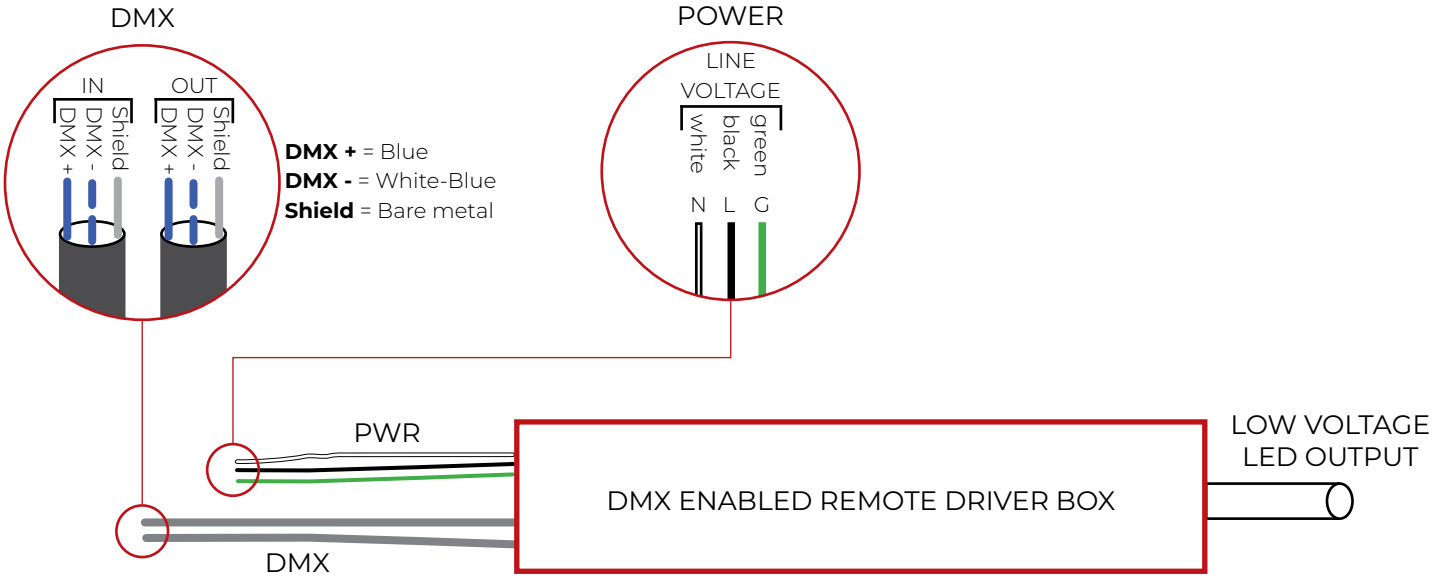
1 J-BOX DMX DAISY CHAIN DETAIL

Low capacitance DMX cable from previous fixture



Low capacitance DMX cable to next fixture

2 DMX CONNECTION REMOTE DRIVER



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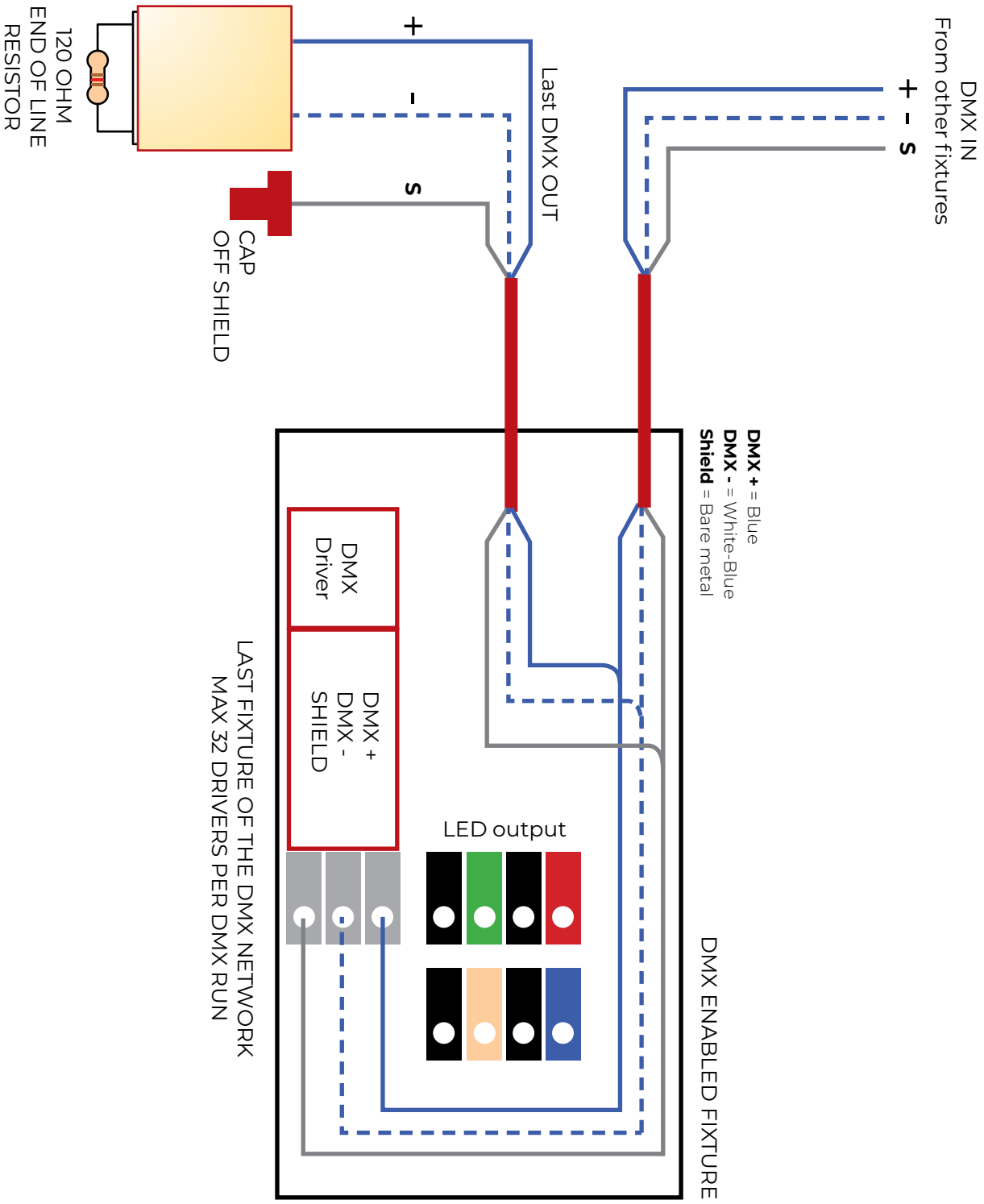
3 LAST DMX CONNECTION DETAIL



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