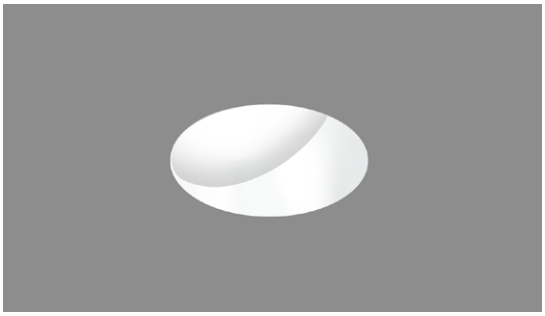
Voilà

True 2" Round Downlight

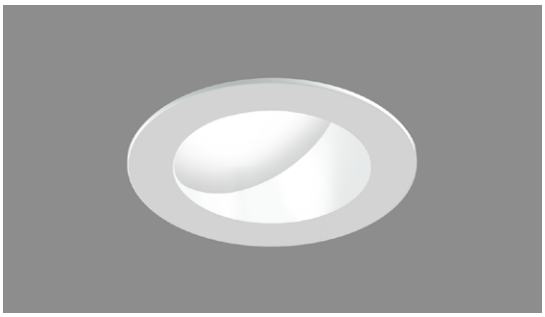
Wall Wash

Project: _____

Type: _____



Trimless



Trim

Voila 2" wall wash downlights feature innovative Hyflex™ optics for precise beam control. Shallow construction requires only 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
775 lm	7 W	111 lm/W
953 lm	10 W	95 lm/W
1157 lm	14 W	83 lm/W

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

Delivered Lumens

CRI	80+ CRI (At 3500K)	90+ CRI (At 3500K)	95+ CRI (At 3000K)
Low - 7 W	775	720	619
Medium - 9.8 W	953	886	762
High - 13.8 W	1157	1076	925

CHROMAWERX

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 775-1157 lm
7-14 Watts, up to 111 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-WW-SPEC-REV12 September 5, 2025

Voilà

True 2" Round Downlight

Wall Wash

Project: _____

Type: _____

1 - Housing (Example: VO2RRWW-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		
VO2RRWW									
VO2RRWW - Voila 2" Round Recessed Wall Wash	**TRM** - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**SW** - Static white **SOLA** - Dim-to-warm **DUO** - Tunable 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 775 lm **10W** - Medium output 953 lm **14W** - High output 1157 lm [2] For delivered lumens and other CRI, see multiplier tables on page 3. **SOLA** **13W** - High output 740-900 lm **DUO** **10W** - High output 530-640 lm	**INTEGRAL** **D1** - 1% 0-10V **ELV** [3] - ELV 120V **TRI** [3] - TRIAC 120V [3] Available with 120V only. **SOLA** **SD1** - Single 0-10V input	**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. **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	**+EB** [6] - Emergency battery [6] Specify with remote dimming only. The code will be like the following example: **RD1+EB**.

2 - Light (Example: VO2WW-SW-WW-2-90-27)

LUMINAIRE ID	LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMP.
VO2WW		**WW**			
VO2WW - Voila 2" Wall Wash	**SW** - Static white	**WW** - Wall wash	**2** - 2 Step MacAdam Ellipse	**80** - 80+ CRI **90** - 90+ CRI **95** - 95+ CRI	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K
	SOLA - Dim-to-warm **DUO** - Tunable white		**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-WW-SR-TMW-TMW)

LUMINAIRE ID	TRIM STYLE	LENS	BAFFLE POSITION	BAFFLE FINISH	TRIM FLANGE FINISH
VO2RRB		**WW**	**SR**		
VO2RRB - Voila 2" Round Recessed Baffle	**TRM** - Flanged trim **TLMP** - Trimless drywall mudplate **TLMW** - Trimless millwork	**WW** - Wall wash diffuser	**SR** - Standard regress	**TMW** - Textured matte white **TMB** - Textured matte black **CF#** - Custom finish, specify RAL# (e.g. **CF1028**)	**TMW** [7] - Textured matte white **TMB** [7] - Textured matte black **CF#** [7] - Custom finish, specify RAL# (e.g. **CF1028**) **NA** - None [7] Applicable for **TRM** only.

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Voilà

True 2" Round Downlight

Wall Wash

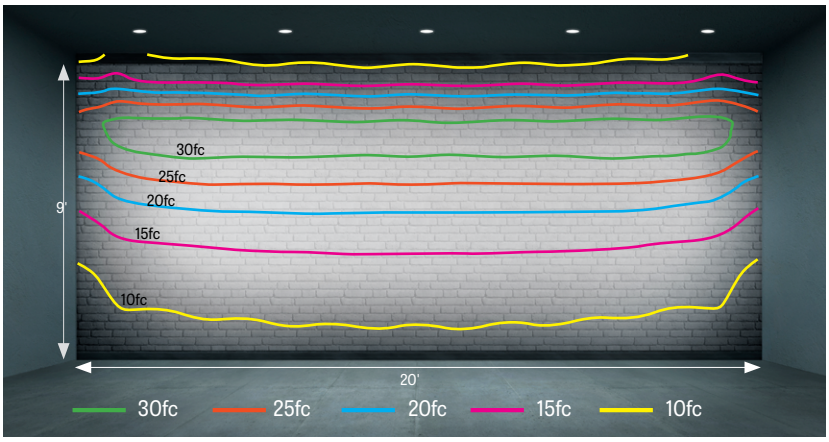
Project: _____

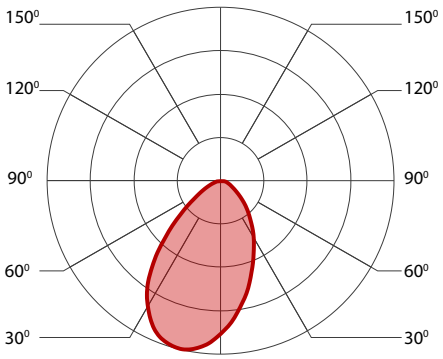
Type: _____

Photometrics

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

24" from Wall - 36" Spacing





Foot-Candles for Round White Wall Wash Baffles

FC ON WALL	24" FROM WALL - 24" SPACING			24" FROM WALL - 36" SPACING			24" FROM WALL - 48" SPACING		
DISTANCE FROM CEILING	80+ CRI (At 3500K)	90+ CRI (At 3500K)	95+ CRI (At 3000K)	80+ CRI (At 3500K)	90+ CRI (At 3500K)	95+ CRI (At 3000K)	80+ CRI (At 3500K)	90+ CRI (At 3500K)	95+ CRI (At 3000K)
3"	13	12	10	9	8	7	8	7	6
6"	16	14	12	11	10	9	9	8	7
12"	21	18	15	14	13	11	12	11	9
2'	45	40	34	31	27	23	25	22	19
3'	52	46	40	35	30	26	27	24	21
4'	43	38	33	29	25	22	22	19	16
5'	33	29	25	22	20	17	16	15	13
6'	27	23	21	17	15	13	13	11	9
7'	21	19	16	14	13	11	10	9	8
8'	18	16	14	12	11	9	8	8	6

Delivered Lumens

CRI	80+ CRI (At 3500K)	90+ CRI (At 3500K)	95+ CRI (At 3000K)
Low - 7 W	775	720	619
Medium - 9.8 W	953	886	762
High - 13.8 W	1157	1076	925

Efficacy Based on Delivered High Lumens - 13.8 W

	LPW
80+ CRI	84
90+ CRI	78
95+ CRI	67

Multiplier - CCT

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

Multiplier - Baffle Color and Shape

BAFFLE VARIABLES		
White	Round	1
White	Square	1
Black	Round	0.95
Black	Square	0.95

For SOLA and DUO, please consult factory.

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

Voilà

True 2" Round Downlight

Wall Wash

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 775-1157 lumens
HyFlex™ Optics: Proprietary TIR/reflector with field interchangeable beam smoothing lenses.
Optical Accessories: Linear spread lens, hex cell louver, color filters, 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 pages 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.

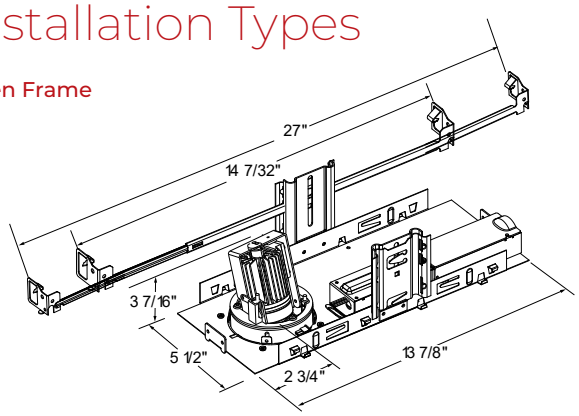
ENVIRONMENT Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

LISTING cETLus listed to UL 1598 and CAN/CSA Standard C22.2 No. 250.0

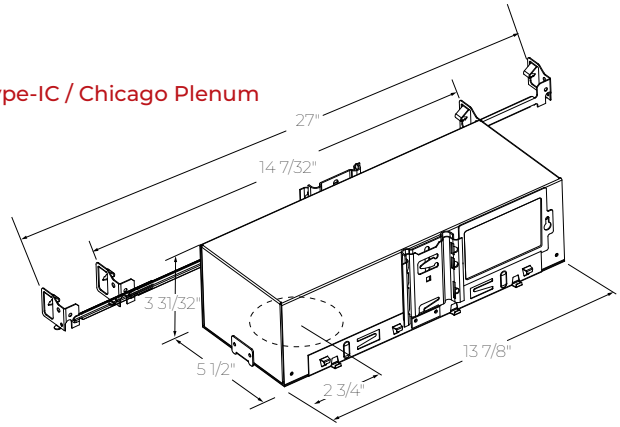
WARRANTY 5 year limited warranty on LED module and power supply. Guaranteed to maintain 70% lumen maintenance.

Installation Types

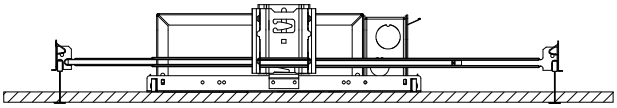
Open Frame



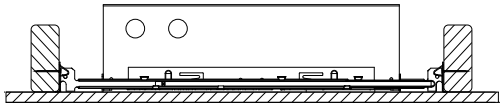
Type-IC / Chicago Plenum



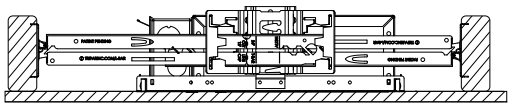
Mounting Options



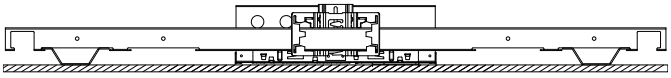
ASB - Adjustable Standard Bar Hangers



FMB - Flush Mount Bars



ACB - Adjustable Commercial Bar Hangers



AHC - Adjustable Hat Channel Bars

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Voilà

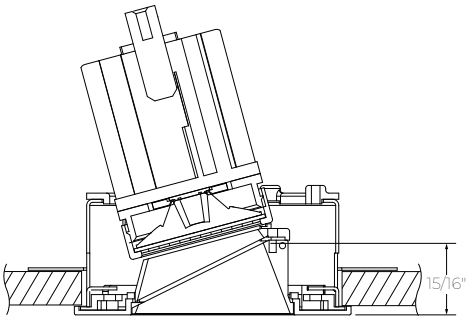
True 2" Round Downlight

Wall Wash

Project: _____

Type: _____

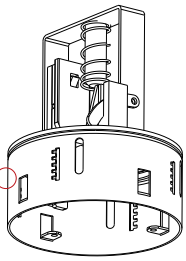
Light



Standard Baffle

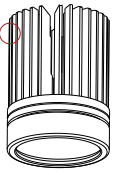
Adjustment Mechanism

Flexible Trim Collar



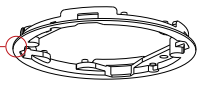
Light Element

Heat Sink
LED Module
Hyflex Optics



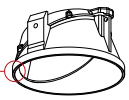
Retaining Ring

Magnetic Snap



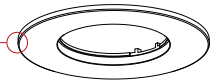
Baffle & Lens

Standard Regress
Wall Washer Lens



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.

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

Wall Wash

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.

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Voilà

True 2" Round Downlight

Wall Wash

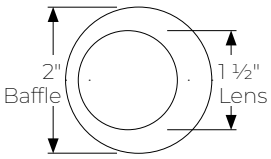
Project: _____

_____

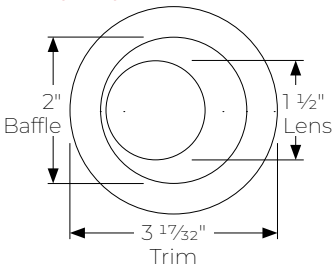
Type: _____

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

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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Voilà

True 2" Round Downlight

Wall Wash

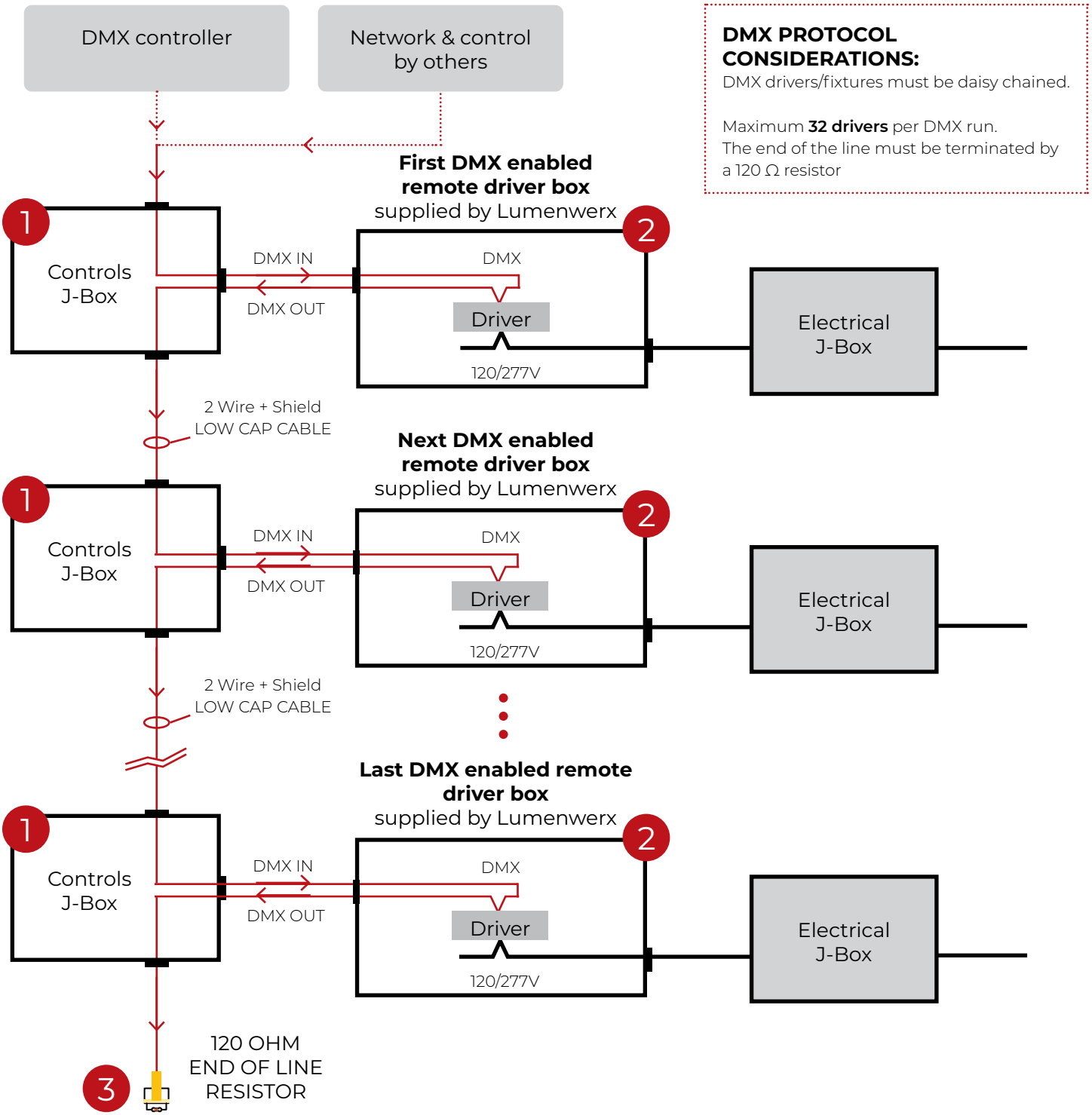
Project: _____

_____

Type: _____

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

Voilà

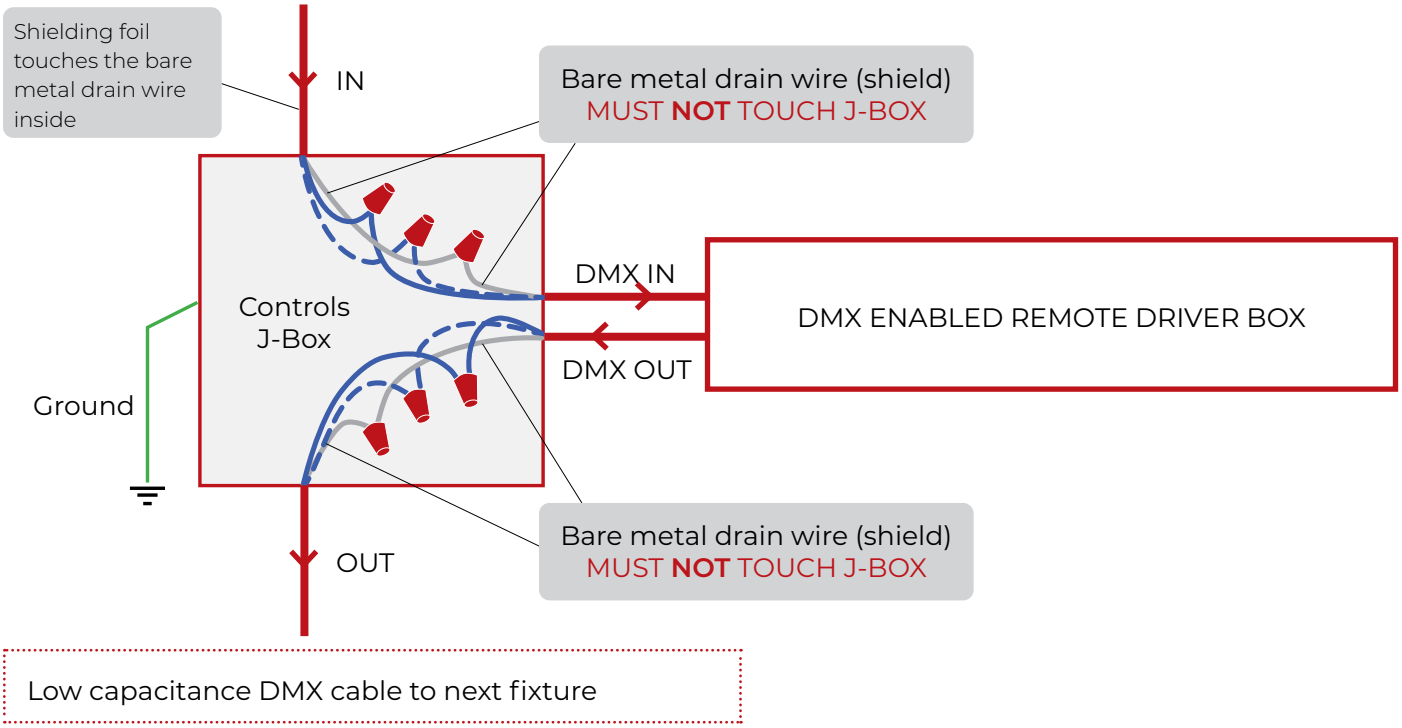
True 2" Round Downlight

Wall Wash

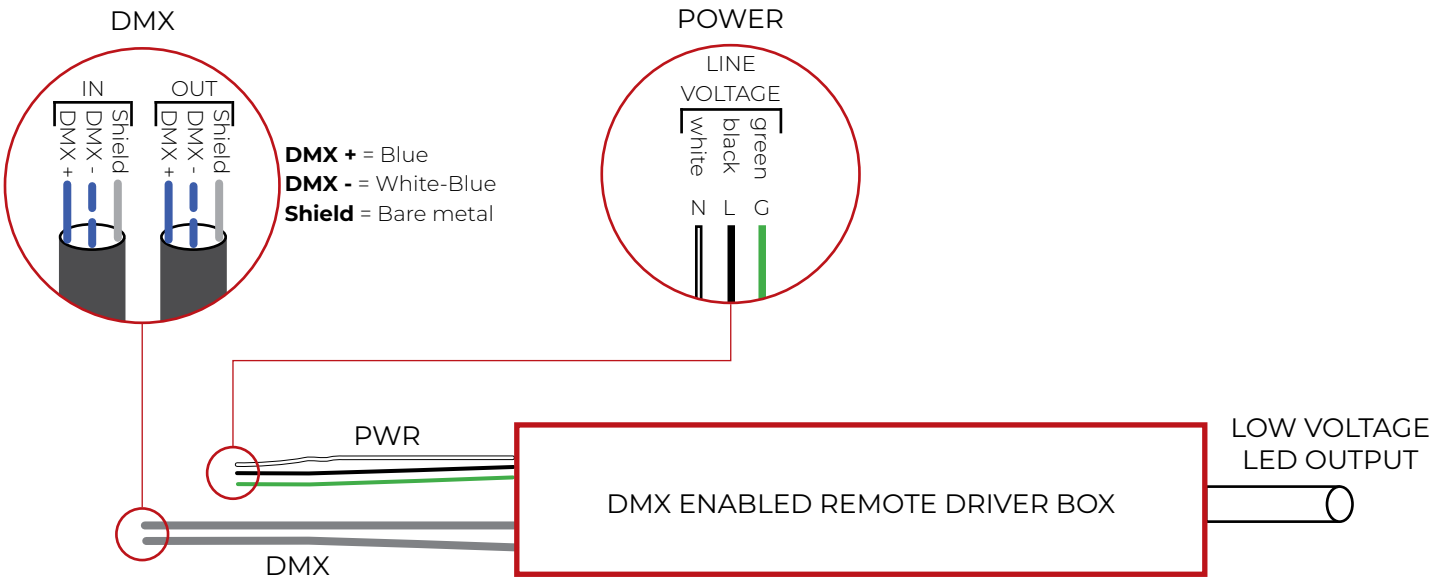
Project: _____

Type: _____

1 J-BOX DMX DAISY CHAIN DETAIL



2 DMX CONNECTION REMOTE DRIVER



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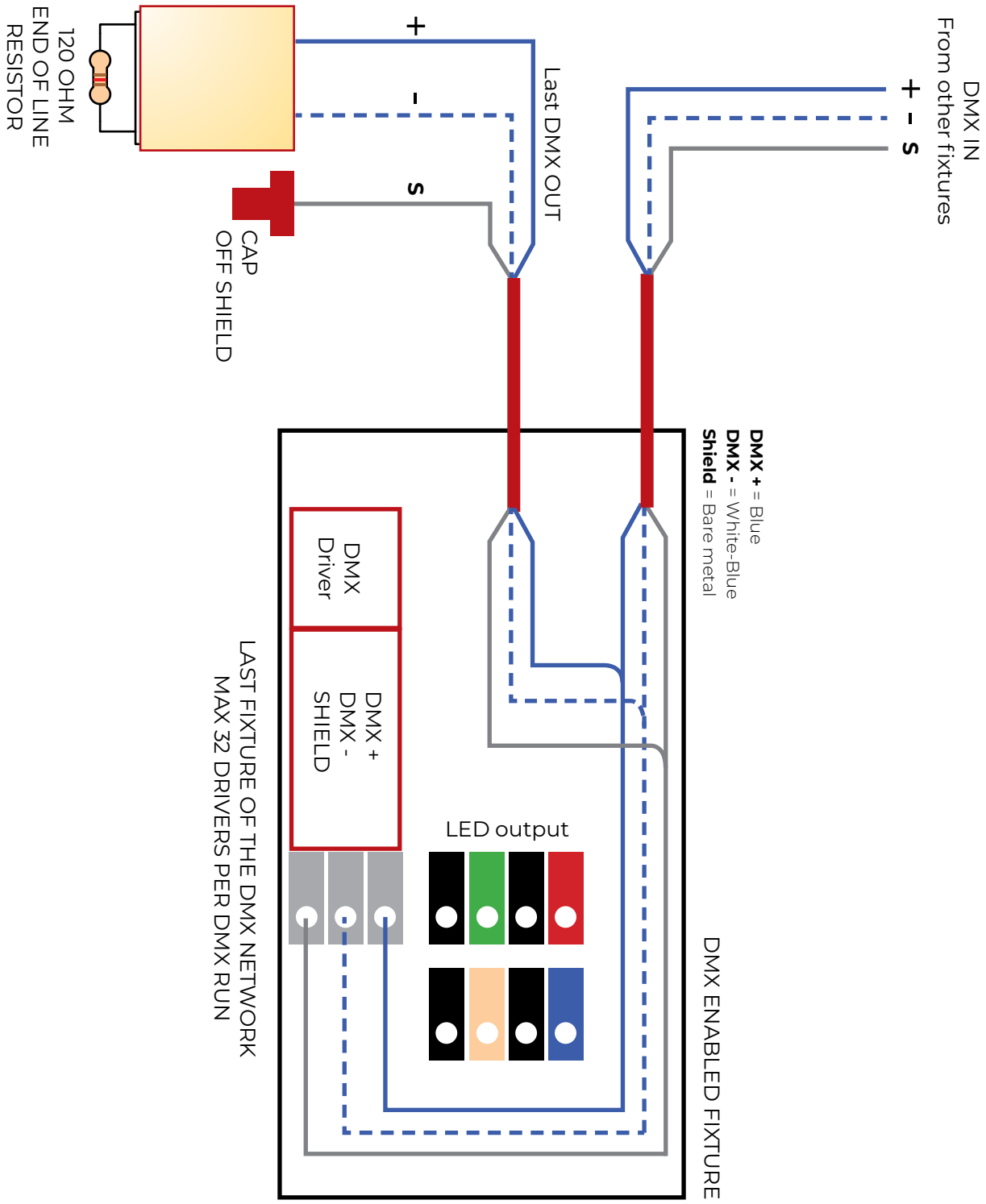
3 LAST DMX CONNECTION DETAIL



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