

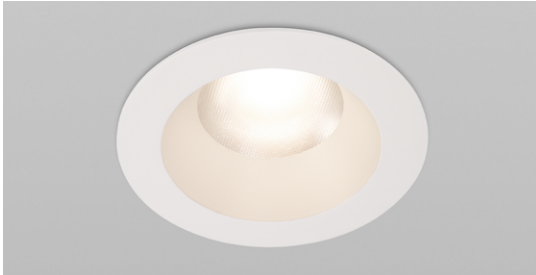
VOILÀ SEAL MRI

4" Round Downlight for Healthcare
Fixed/Adjustable



Project: _____

Type: _____



Voila 4 Seal MRI Recessed fixtures are crafted from non-ferrous materials for MRI suites in healthcare applications. They feature a remote driver, an IP54-rated gasketed trim for dust and water protection, and an antimicrobial finish. Eight beam angles ensure versatile lighting options.

Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY LM/W
1501 lm	14 W	107 lm/W
2037 lm	20 W	102 lm/W
2744 lm	28 W	98 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							
	10	20	30	40	50	60	75	90
Low - 13.8 W	1257	1203	1410	1424	1379	1363	1333	1302
Medium - 19.7 W	1576	1508	1912	1933	1871	1849	1808	1766
High - 28 W	1932	1848	2576	2604	2520	2492	2436	2380

Aperture Size

4.00"

Configurations



Fixed, adjustable

Baffle Depth



Standard 1.00"

Trim



Baffle & Finishes

Textured matte white

Textured matte black

Custom RAL

Color Temperature

2400K

2700K

3000K

3500K

4000K

5000K

SOLA

DUO



Delivered 1294-2800 lm
14-28 Watts, up to 111 lm/W

Integral & Remote Drivers

0-10V, TRIAC, ELV, eldoLED & Lutron

Emergency battery pack

VOILÀ SEAL MRI

4" Round Downlight for Healthcare
Fixed/Adjustable



Project: _____

Type: _____

Order Guide

1 - Housing (Example: VO4SEALMRIRR-GKT-SW-OF-AASB-120V-14W-RD1)

LUMINAIRE ID	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION
VO4SEALMRIRR				
VO4SEALMRIRR - Voila 4" Seal MRI Round Recessed	TRM - Flanged trim GKT - Gasketed trim	SW - Static white SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K	OF - Open Frame Type Non-IC IC ¹ - Type-IC ¹ Not available with 20 W output and higher.	AASB - Aluminum adjustable standard bar hangers AFMB - Aluminum flush mount bars AACB - Aluminum adjustable commercial bar hangers NA - No bar hangers

VOLTAGE	WATTAGE	DIMMING ⁴
120V - 120V 277V - 277V UNV - 120V-277V 347V ² - 347V ² Available with RD1 driver only. Please consult factory.	14W - 14 W output, up to 1532 lm 20W ³ - 20 W output, up to 2078 lm 28W ³ - 28 W output, up to 2800 lm ³ Not available with IC.	REMOTE ⁵ RD1 - 1% 0-10V RELV ⁶ - ELV 120V RTRI ⁶ - TRIAC 120V RLDEI - Lutron Hi-lume 1% Eco ⁴ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁵ A remote driver box is provided. ⁶ Available with 120V only.
SOLA 13W - 13 W output, up to 920 lm 25W ³ - 25 W output, up to 1981 lm DUO 10W - 10 W output, up to 700 lm 20W ³ - 20 W output, up to 1200 lm	SOLA RSDI - Single 0-10V input RSELV ⁶ - ELV 120V RSTRI ⁶ - TRIAC 120V	RDA ⁷ - DALI RELD1 - eldoLED 1% 0-10V RELD0 - eldoLED 0.1% 0-10V +EB ⁸ - Emergency battery ⁷ On-site commissioning is required. ⁸ For emergency battery, code will be like the following example: RD1+EB.

2 - Light (Example: VO4MRI-SW-14W-10DEG-2STP-90CRI-27K-LS)

LUMINAIRE ID	LIGHT SOURCE	WATTAGE	BEAM	COLOR QUALITY	CRI	COLOR TEMP	ACCESSORY
VO4MRI							
VO4MRI - Voila 4" MRI	SW - Static white	14W - 14 W output, up to 1532 lm 20W ⁹ - 20 W output, up to 2078 lm 28W ⁹ - 28 W output, up to 2800 lm ⁹ Not available with IC.	10DEG - 10° Narrow spot 20DEG - 20° Spot 30DEG - 30° Narrow flood 40DEG - 40° Flood 50DEG - 50° Wide flood 60DEG - 60° Very wide flood 75DEG - 75° Very wide flood 90DEG - 90° Open flood	2STP - 2 Step MacAdam Ellipse	80CRI - 80+ CRI 90CRI - 90+ CRI 95CRI ¹² - 95+ CRI ¹² Not available with 2400K and 5000K.	24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	LS ¹³ - Linear spread HEX ^{13,14} - Hex louver NA - None ¹³ Hex louver & linear spread cannot be combined together. ¹⁴ Not available with 60°/75°/90° beam options.
	SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K	SOLA 13W - 13 W output, up to 920 lm 25W ⁹ - 25 W output, up to 1981 lm DUO 10W - 10 W output, up to 700 lm 20W ⁹ - 20 W output, up to 1200 lm	20DEG ¹⁰ - 20° Spot 40DEG ¹¹ - 40° Narrow flood 50DEG ¹¹ - 50° Wide flood 60DEG ¹¹ - 60° Very wide flood 75DEG ¹¹ - 75° Very wide flood 90DEG ¹¹ - 90° Open flood ¹⁰ Not available with 20 W output and higher. ¹¹ Not available with 10 W or 13 W output.	3STP - 3 Step MacAdam Ellipse	90CRI - 90+ CRI	SOLA - Dim-to-warm single channel control 35K to 22K DUO - Tunable white 2-channel control 65K to 27K	

3 - Baffle (Example: VO4SEALMRIRRB-GKT-SDL-SR-FTMW)

LUMINAIRE ID	TRIM STYLE ¹⁵	LENS	BAFFLE POSITION	TRIM FLANGE FINISH
VO4SEALMRIRRB				
VO4SEALMRIRRB - Voila 4" Seal MRI Round Recessed Baffle	TRM - Flanged trim GKT - Gasketed trim ¹⁵ IP54 rated for bathrooms, showers, outdoor canopies, and marquees when specified with gasketed trim (GKT).	SDL - Soft diffused lens, Solite FDL - Frosted diffused lens	SR - Standard regress	FTMW - Textured matte white FTMB - Textured matte black FWA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL#

VOILÀ SEAL MRI

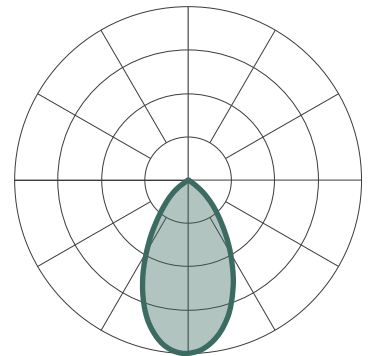
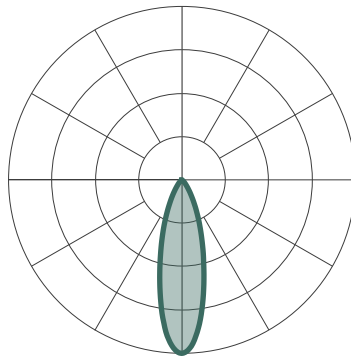
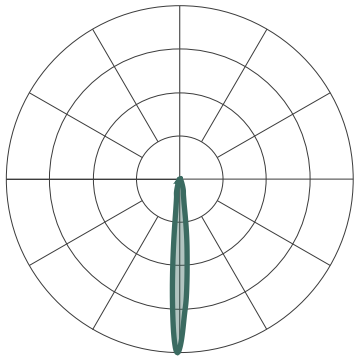
4" Round Downlight for Healthcare

Fixed/Adjustable



Photometrics

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



Delivered Lumens for Round White Standard Baffles - At 3500K

CRI	80+ CRI								90+ CRI							
	10	20	30	40	50	60	75	90	10	20	30	40	50	60	75	90
Low - 13.8 W	1348	1294	1501	1532	1475	1455	1424	1394	1257	1203	1410	1424	1379	1363	1333	1302
Medium - 19.7 W	1692	1623	2037	2078	1995	1975	1933	1892	1576	1508	1912	1933	1871	1849	1808	1766
High - 28 W	2072	1988	2744	2800	2688	2660	2604	2548	1932	1848	2576	2604	2520	2492	2436	2380

Delivered Lumens - At 3000K

95+ CRI							
10	20	30	40	50	60	75	90
1080	1053	1213	1225	1186	1172	1146	1120
1355	1297	1644	1663	1609	1590	1555	1519
1820	1736	2212	2122	2156	2128	2100	2044

Efficacy Based on Delivered Lumens - High 28 W

BEAM	LPW							
	10	20	30	40	50	60	75	90
80+ CRI	74	71	98	100	96	95	93	91
90+ CRI	69	66	92	93	90	89	87	85
95+ CRI	65	62	79	79	77	76	75	73

SOLA and DUO Max Wattage

BEAM	90+ CRI							
	10	20	30	40	50	60	75	90
DUO	NA	10	NA	19	19	19	19	19
SOLA	NA	19	NA	26	26	26	26	26

Multiplier - CCT

CCT	
2400K	0.87
2700K	0.94
3000K	0.98
3500K	1
4000K	1.05
5000K	1.05

Multiplier - Baffle Color and Shape

BAFFLE VARIABLES		
White	Round standard	1
White	Square standard	0.89
Black	Round standard	0.95
Black	Square standard	0.87

Multiplier - Optical Options

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

For SOLA and DUO, please consult factory.

VOILÀ SEAL MRI

4" Round Downlight for Healthcare

Fixed/Adjustable



Technical Specifications

DESCRIPTION Compact fixed or adjustable 4" downlight with multiple outputs, color, beam, and dimming options.

HOUSING CONSTRUCTION For new construction, 20 gauge powder coated aluminum. Open frame or type-IC. 18 gauge aluminum junction box with ½" trade size knockouts. Aluminum adjustable standard bar hangers, flush mount bars, and adjustable commercial bar hangers available as mounting options.

Clearance Height: Open frame/Type-IC: 4";

Open frame with LD2 (DUO) option: 8"

Ceiling Thickness: Can accommodate ½" to 1"

Housing weight: Type-IC - 8 lbs -3.6 kg;

Open Frame - 6 lbs -2.7 kg

Ceiling cut out: Ø 5 5/32"

LIGHT ELEMENT

Adjustability: Hot aiming, lockable, 360° rotation and 30° vertical tilt with shift to ensure beam stays centered.

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 1294-2800 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 Round die-cast aluminum retained with spring clips.

Trim options: Round gasketed

LIGHT SOURCE Static white, Chromawerx SOLA (dim-to-warm), and Chromawerx DUO (tunable white)

ELECTRICAL

Remote: 1% 0-10V, ELV 120V, TRIAC 120V, Lutron Hi-lume 1% Eco, DALI, eldoLED 0.1% 0-10V, eldoLED 1% 0-10V, DMX, Lutron DALI-2 digital

Emergency Options: Emergency battery back-up option is available (Fulham, Bodine, or IOTA). The battery provides 10 W of power.

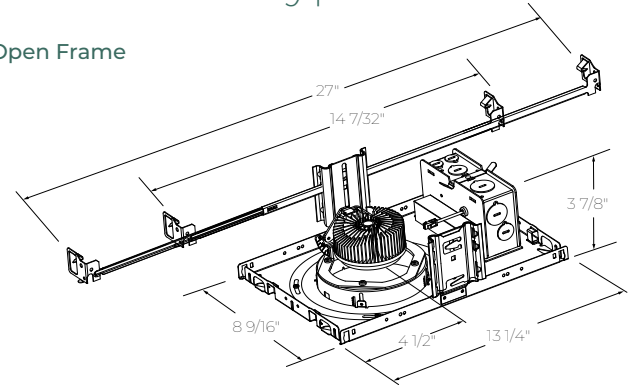
ENVIRONMENT Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

LISTING cETLus listed to UL 1598 and CAN/CSA Standard C22.2 No. 250.0. IP54 rated for bathrooms, showers, outdoor canopies, and marquees when specified with gasketed trim (GKT).

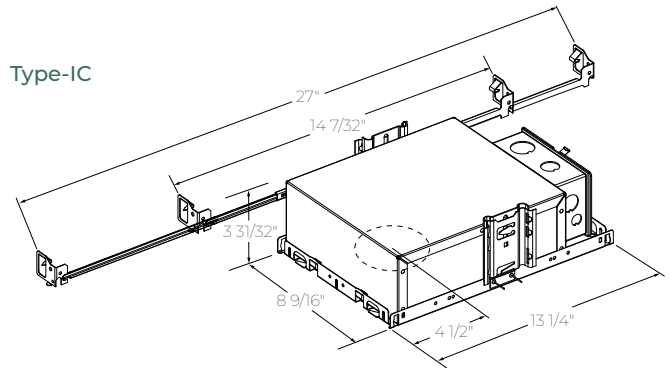
WARRANTY 5 year limited warranty on LED module and power supply. Guaranteed to maintain 70% lumen maintenance.

Installation Types

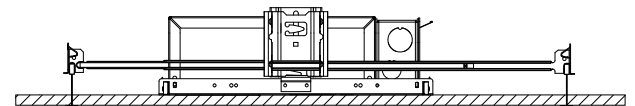
Open Frame



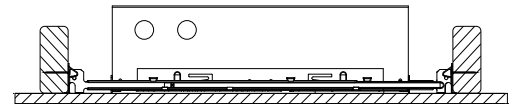
Type-IC



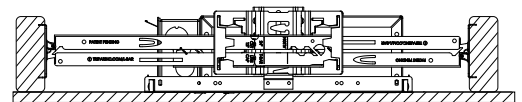
Mounting Options



AASB - Aluminum Adjustable Standard Bar Hangers (grid and drywall)



AFMB - Aluminum Flush Mount Bars (drywall only)



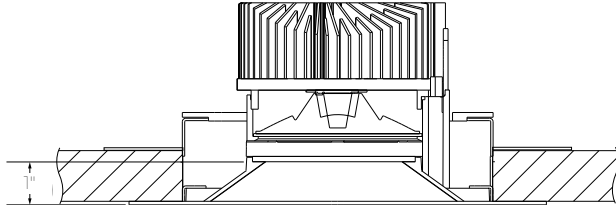
AACB - Aluminum Adjustable Commercial Bar Hangers (grid and drywall)

VOILÀ SEAL MRI

4" Round Downlight for Healthcare
Fixed/Adjustable



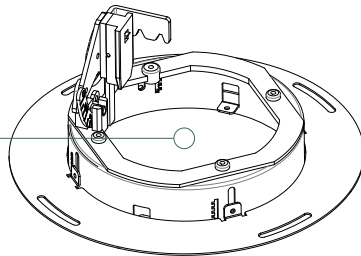
Light



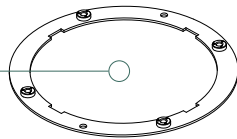
Standard Baffle

Collar

Internal adjustable collar

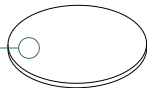


Collar Adapter

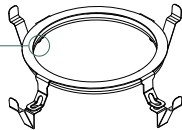


Lens

Soft diffused lens, Solite
Frosted diffused lens

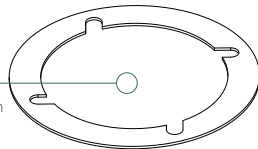


Lens Holder and Spring Clips



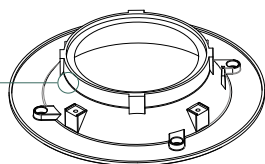
Trim Gasket

Available for gasketed (GKT) trim option



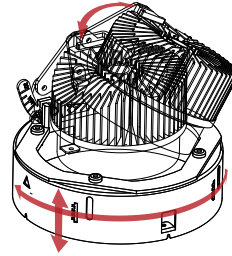
Baffle - Trim

Standard Regress Baffle



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 (see below). Supporting collar allows ceilings from 1/2" to 1" thick.

Light Source

Static white

Compact COB (Chip-On-Board) LED module, available in 2400K, 2700K, 3000K, 3500K, 4000K, and 5000K 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.

Chromawerx SOLA

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

Chromawerx DUO

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.

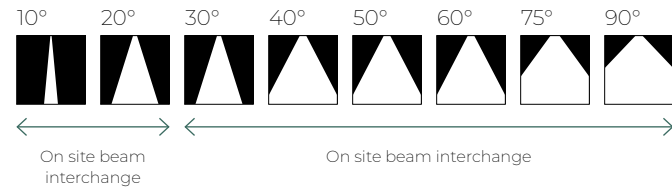
VOILÀ SEAL MRI

4" Round Downlight for Healthcare

Fixed/Adjustable



Beam Angles



Option

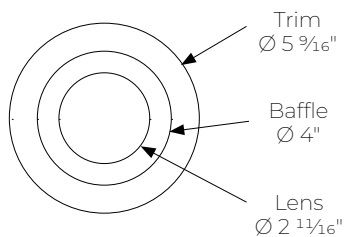


Emergency Remote

Long-life, high-temperature, emergency LED driver with Lithium Ion battery pack. Features a test switch with charge indicator, minimum of 90 minutes operation and 10 W per downlight emergency lighting output. Recharge time of 24 hours.

Trim Dimensions

Trim (TRM, GKT)

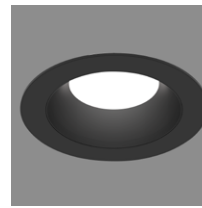


Baffle



Standard Regress

Trim



Black Trim



White Trim