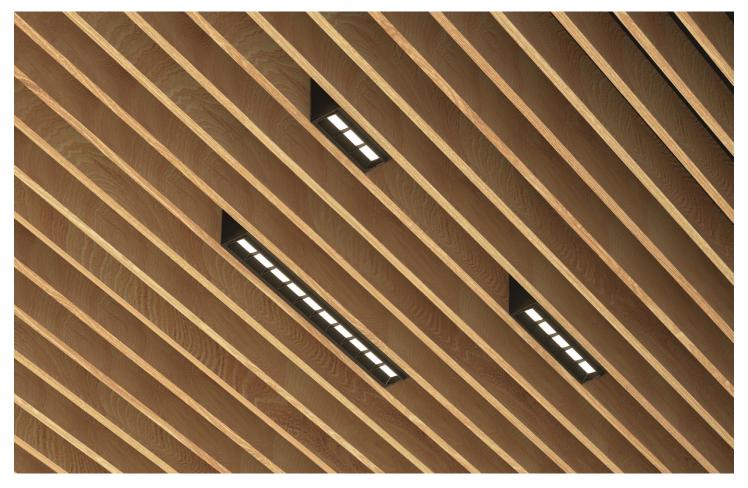
LUSTER WOOD SLAT **Z**Lumenwerx RECESSED WALL WASH







Cluster Wood Slat Recessed luminaires are a versatile group of downlights available in various configurations, designed for seamless installation in wood slat ceilings. With a choice of optics, including parabolic, wall wash, soft-edge, and sharpedge options, these luminaires can address a wide variety of applications, delivering a clean, crisp aesthetic and precise, visually comfortable light.

WRO - Wall wash



Sizes







Cluster Family (Refer to other spec sheets)

Recessed, Wood Slat































CLUSTER WOOD SLAT **ZLumenwerx**



ECESSED WALL WASH	Project:	
	Туре:	

Order Guide

LUMINAIRE ID	INSTALLATION TYPE	MOUNTING OPTION 1	LIGHT SOURCE	OPTIC	CRI
	OFB		sw	WRO	90CRI
CLU03WSRWW - Cluster 3x1 Wood Slat Recessed Wall Wash CLU05WSRWW - Cluster 5x1 Wood Slat Recessed Wall Wash CLU10WSRWW - Cluster 10x1 Wood Slat Recessed Wall Wash	OFB - Open Frame Type Non-IC, black	BAB - Black adjustable bar hangers ¹ See page 4 for more details.	SW - Static white	WRO - Wall wash	90CRI - 90+ CRI

COLOR TEMP.	ADJUSTABLE BRACKET FINISH	LOUVER FINISH	DRIVER	VOLTAGE	LUMEN PACKAGE ²		DIMMING	
27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	FTMW - Matte white FTMB - Matte black CF# - Custom finish, specify RAL#	MF01 - Matte white MF04 - Matte black	INTEGRAL	120V - 120V 277V - 277V UNV - 120V-277V	WRO. For	400LM - 400 lm 800LM - 800 lm 1200LM - 1200 lm ackages shown at 3500K, with rother, see lumen output rs on page 6.	D1 - 1% 0-10V ELV ³ - ELV 120V TRI ³ - TRIAC 120V ³ Available with 120V only.	
			REMOTE	DO NOT SPECIFY FOR REMOTE. SEE "REMOTE DRIVER BOX" SECTION BELOW.				

Remote Driver Box

Ordered separately. Specify each required remote driver box on a separate line.

REMOTE DRIVER 4	LUMINAIRE QTY. 5	LUMINAIRE ID	VOLTAGE	LUME	EN PACKAGE 6			DIMMING 7
RDB# - Remote driver box	#X - Number of luminaires	CLU03WSRWW - Cluster 3x1 Wood Slat	120V - 120V 277V - 277V	7.1	Low	Medium	High	RD1 - 1% 0-10V RELV ^{8,9} - ELV 120V
Specify each required	⁵ Specify number (#) of	Recessed Wall Wash CLU05WSRWW -	UNV - 120V-277V	3x1 5x1	100LM - 100 lm 200LM - 200 lm	250LM - 250 lm 500LM - 500 lm	400LM - 400 lm 800LM - 800 lm	RTRI ^{8, 9} - TRIAC 120V RDA ¹⁰ - DALI
remote driver box on a separate line.	luminaires per remote driver. See page 5 for minimum and maximum per driver.	Cluster 5x1 Wood Slat Recessed Wall Wash CLUIOWSRWW - Cluster 10x1 Wood Slat Recessed Wall Wash		I .		750LM - 750 Im ill vary based on the nur e type of driver selected		RLDE1 ** - Lutron Hi-lume* 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V **RELD0 - eldoLED 0.1% SOLOdrive 0-10V **For configurations involving different cluster sizes on a remote driver, please consult factory. **Available with 120V only. **Only available with high lumen packages. **Don-site commissioning is required.**

EXAMPLE

HOUSING + LIGHT CLU03WSRWW-OFB-BAB-SW-WRO-90CRI-27K-FTMB-MF04-REMOTE REMOTE DRIVER BOX

RDB1-2X-CLU03WSRWW-120V-100LM-RD1 RDB2-1X-CLU03WSRWW-120V-250LM-RD1

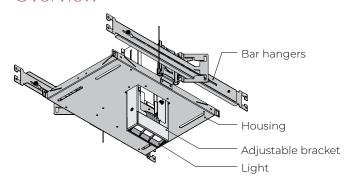


JSTER WOOD SLAT **Z**Lumenwerx



RECESSED WALL WASH

Overview



Housing

OFB

· Black housing

Bar hangers

· Black adjustable bar hangers

Adjustable bracket

ADJUSTABLE BRACKET FINISH

- · Matte white
- Matte black

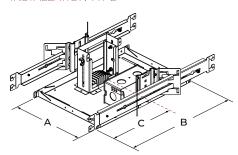
Light

LOUVER FINISH

- · Matte white
- · Matte black

Housing

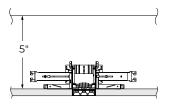
INSTALLATION TYPE 1



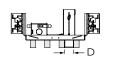
OFB - Open Frame

	HOUSING							
	A B C							
3x1	8 11/16"	13 5/16"	6 11/16"					
5x1	8 11/16"	13 5/16"	6 11/16"					
10x1	8 11/16"	19 5/16"	9 11/16"					

DIMENSIONS

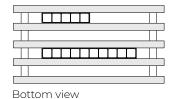


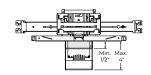
Clearance height



Spacing between slats

	SPACING BET	WEEN SLATS						
	D							
	INTEGRAL (access from below the ceiling)	INTEGRAL / REMOTE (access from above the ceiling)						
3x1	NA	1 1/2"						
5x1	1 3/4"	1 1/2"						
10x1	1 3/4"	11/2"						





Cluster height



_USTER WOOD SLAT **Zlumenwerx** RECESSED WALL WASH

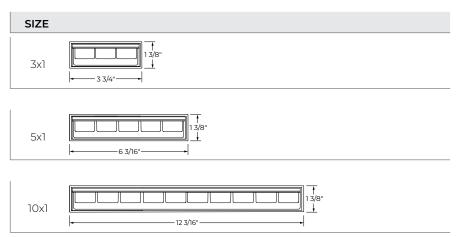


Housing



Light

DIMENSIONS





WRO - Wall wash

LOUVER FINISHES

Louver is injection molded with integral texture and color.



MF01 - Matte white



MF04 - Matte black

USTER WOOD SLAT **Z**Lumenwerx RECESSED WALL WASH

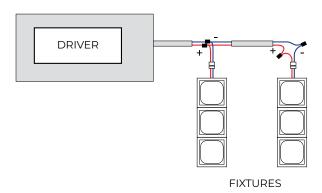


Driver

REMOTE DRIVER

The remote driver can power several lighting units, depending on their total power. The minimum and maximum number of lighting units and driver type are shown in the table below and must be observed. The remote driver and lighting units are wired together through connection boxes, which are furnished pre-wired to the driver enclosure. All wiring is Class 2 with quick-splice connectors. The remote driver requires access from above the ceiling (or an access panel).

CONNECTION IN PARALLEL



Number of lighting units per driver (minimum and maximum).

		,	
DRIVER	3x1	5x1	10x1
		I	
RD1	1-12	1-7	1-5
RELV	1-6	1-4	1-2
RTRI	1-6	1-4	1-2
RDA	1-11	1-7	1-4
RLDE1	1-11	1-7	1-4
RELD1	1-11	1-7	1-4
RELD0	1-11	1-7	1-4

For any quantities of lighting units per driver that fall outside the minimum and maximum listed above, please consult factory.

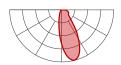
USTER WOOD SLAT **Z** Lumenwerx



RECESSED WALL WASH

Photometrics

Values calculated based on 3500K.



WRO - Wall wash

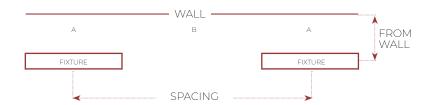
	LM	W	LM/W
3x1	400	6.35	63
5x1	800	12.7	63
10x1	1200	18.2	66

MULTIPLIER TABLE

Please follow the multiplier table to ensure correct lumen value. CCT will change the lumen value.

сст	LPW
2700K	0.94
3000K	0.97
3500K	1
4000K	1.02
5000K	1.06

VERTICAL ILLUMINANCE



24" FROM WALL - 18" SPACING

			FC ON WALL									
			3x1			5x1			10x1			
		Α	В	Α	A	В	Α	Α	В	Α		
	ין	20	19	20	40	38	40	59	57	59		
Ceiling	2'	24	24	24	48	48	48	72	71	72		
	3'	24	24	24	48	48	48	71	71	71		
- E	4'	19	19	19	37	37	37	55	55	55		
e fr	5'	14	14	14	28	28	28	40	40	40		
anc	6'	10	10	10	21	21	21	30	30	30		
Distance from	7'	9	9	9	17	17	17	24	24	24		
	8'	7	7	7	15	14	15	20	20	20		

24" FROM WALL - 36" SPACING

			FC ON WALL									
			3x1			5x1			10x1			
		А	В	A	A	В	Α	A	В	Α		
m	ין	10	9	10	21	17	21	31	26	31		
Ceiling	2'	11	11	11	23	21	23	34	32	34		
Ö	3'	13	12	13	25	25	25	38	37	38		
from	4'	12	12	12	24	24	24	36	35	36		
e fr	5'	10	10	10	20	20	20	29	29	29		
Distance	6'	8	8	8	15	16	15	23	23	23		
)ist	7'	6	6	6	12	12	12	19	19	19		
	8'	5	5	5	11	11	11	16	16	16		

30" FROM WALL - 36" SPACING

			FC ON WALL									
			3x1			5x1			10x1			
		A	В	А	A	В	A	Α	В	A		
	ין	8	7	8	16	15	16	24	22	24		
Ceiling	2'	9	8	9	17	17	17	26	25	26		
	3'	10	10	10	19	19	19	29	28	29		
l lo	4'	10	10	10	20	20	20	31	31	31		
efr	5'	10	10	10	19	19	19	29	29	29		
anc	6'	8	8	8	17	17	17	25	25	25		
Distance from	7'	7	7	7	14	14	14	21	21	21		
	8'	6	6	6	12	12	12	18	18	18		



CLUSTER WOOD SLAT



Technical Specifications

OPTIC

Wall Wash Refractive Optic (WRO)

Cluster wall wash optic uses multiple mid-flux emitters in a continuous array, supported by an angled board. An aluminum reflector collects and redirects emitter flux, while a refractive film adjusts both vertical and horizontal intensity and eliminates source image. The result is excellent uniformity up and down the wall, as well as between luminaires.

LIGHT SOURCE

Custom array of high-flux LEDs mounted onto aluminum-backed circuitry. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 90+ CRI with elevated R9 value. Color consistency is maintained to within 3 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.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.

Integral: 0-10V, ELV, TRIAC

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

CONSTRUCTION

Housing: Die-cast aluminum **Optics**: Polycarbonate

Mounting frame: Galvanized sheet metal **Driver housing**: Galvanized sheet metal

WEIGHT

	OFB
3x1	5.47 lbs - 2.48 kg
5x1	5.7 lbs - 2.58 kg
10x1	6.88 lbs - 3.12 kg

CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL 1598 Standard and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

