Manuals+ — User Manuals Simplified.

JADEMAR
JACLS-3535
Series
Architectural
Curve Lighting
System

JADEMAR JACLS-3535 Series Architectural Curve Lighting System Owner's Manual

Contents

JADEMAR
LIGHTING®

JADEMAR JACLS-3535 Series Architectural Curve Lighting System

Specifications

- **Product Name:** JACLS-3535 SERIES
- **Type:** Architectural Curve Lighting System
- **Contact:** quotes@jademar.com
- **Order:** orders@jademar.com
- **Telephone:** (305) 640.0465
- **Website:** www.jademar.com
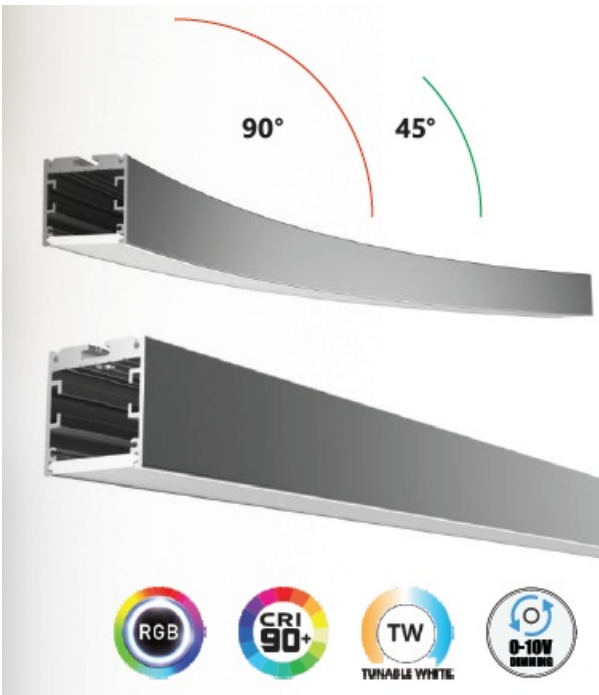- **Last Revised:** 07/2024

Product Usage Instructions

- Choose the appropriate profile series, light distribution, module type, light source, lumen/ft, CRI, frame color, and mounting options according to your requirements.
- Based on your selection, choose the canopy type that suits your needs.
- Select the driver type depending on your control and dimming requirements.
- Choose a driver that is required for the functioning of the system. Ensure it matches the specifications of the lighting system.

FAQ

- **Q:** Can I use multiple profiles in one setup?
- **A:** Yes, you can use multiple profiles by selecting the appropriate configurations for each profile type.
- **Q:** What is the maximum profile length available?
- **A:** The maximum profile length available is 98 inches. Ensure to replace the 'x' with the desired length when ordering.
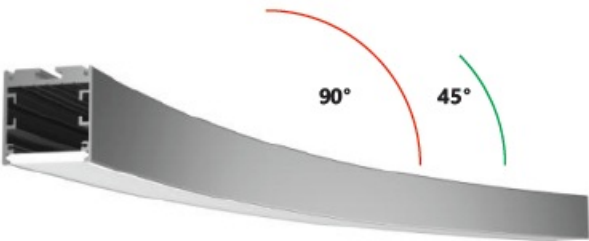
Introduction

- Illuminate with precision: Direct downward lighting direction ensures targeted brightness.
- Versatile installation options: Choose between pendant or surface-mounted configurations for seamless integration into any space.
- Tailored lighting experience: Our specially designed light source, coupled with diffusers, delivers uniform and glare-free illumination.
- Unleash your creativity: Craft ever-changing shapes effortlessly using our super-free application and the seamless connection of lines and arcs.
- Effortless installation: Our flexible diffuser simplifies setup, eliminating the need for connections in over-length applications and preventing light leakage.
- Built to last: Constructed from premium AL6063-T5 aluminum profile with top-notch surface treatment, available in three elegant colors: black, white, and silver.

SPECIFICATION AND SUBMITTAL SHEET

PROFILE: 45° AND 90° CURVE PROFILES

PROJECT NAME:		REP AGENCY:	
LOCATION:		APPROVAL BY:	
SPECIFYING ARCHITECT:		DATE:	
CONTACT NAME:		CONTACT EMAIL:	

SELECT PROFILE TYPE

STEP 1

- SELECT PROFILE TYPE ORDERING INFORMATION EXAMPLE: JACLS-3535-118-45D-D-ST-LS1-40K-80-SV-PMK-5

PROFILE SERIES	PROFILE SIZE		PROFILE TYPE		LIGHT DISTRIBUTION		MODULE TYPE		LIGHT SOURCE	
JACLS-3535	13	ø13" Curve Profile	90D	90° Curve Profile	IN	Inward Light	ST	Starter	LS1-x	Standard White Light
					OU	Outward Light	MD	Middle	LS2-HO-x	High Output White Light
							EN	End		Replace "x" with desired CCT
	32	ø32" Curve Profile	45D	45° Curve Profile	D	Downward Light				(27K/30K/35K/40K/50K/65K)
			90D	90° Curve Profile					LS3-TW	Tunable White (27K+65K)
	59	ø59" Curve Profile	45D	45° Curve Profile	IN	Inward Light			LS4-RGB	Red/Blue/Green
			90D	90° Curve Profile	OU	Outward Light			LS5-RGBW	Red/Blue/Green/White
	118	ø118" Curve Profile	45D	45° Curve Profile	D	Downward Light			LS6-WD	Warm Dim

LUMEN/FT		CRI		FRAME COLOR		MOUNTING OPTIONS	
Blank	Standard Lm/Ft of Light Source	80	>80 CRI	SV	Silver (RAL9006)	CMK	Ceiling Mount Kit
		90	>90 CRI	BK	Black (RAL9005)	TRMK	Trimless Recessed Mounting Kit
x	Replace the "x" with desired lumen/ft			WH	White (RAL9003)	PMK-5	Pendant Mount Kit, 5FT Cable & Cord
						PMK-8	Pendant Mount Kit, 8FT Cable & Cord

CEILING MOUNT KIT

TRIMLESS RECESSED MOUNT KIT

PENDANT MOUNT KIT

Note: Canopies with driver inside size could be 12" to 16" in diameter with depth from 2" to 3". Please consult sales team for more information.

SELECT CANOPY OPTIONS

STEP 2

PENDANT MOUNT KIT CANOPY OPTIONS

- JACLS-PMK-NPCP-y Non-Powered Canopy / Replace "y" with color
- JACLS-PMK-PCP-y Powered Canopy / Replace "y" with color
- JACLS-PMK-NC No Canopy Pendant Mount Kit

SELECT-CONTROL OPTIONS

STEP 3

CONTROLS OPTIONS

- CB-NLC CASAMBI® Bluetooth Network Lighting Control System
- SR-NLC Silvair® Bluetooth Network Lighting Control System

SELECT A DRIVER (REQUIRED)

STEP 4

DRIVER TYPE

- AC-A25VD24H1.04 25W Range, 24VDC, 0-10V Dimming Driver
- AC-60VD24AER 60W range, 24VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC-60VD24AB2RV 60W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- AC-100VD24AB4RU 100W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- ACA100VD24H4.1C 100W Range, 24VDC, 0-10V Dimming Driver: SLIM
- HLG-150H-24 150W IP67, 24VDC, PFC Harsh Environment, Metal Case, 6.3A output.
- AC60VD48A1.25NA 60W range, 48VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC150VD48A3.15S 150W Range, 48VDC, 0-10V Dimming Driver

STRAIGHT PROFILE

PROFILE: STRAIGHT PROFILE

PROJECT NAME:		REP AGENCY:	
LOCATION:		APPROVAL BY:	
SPECIFYING ARCHITECT:		DATE:	
CONTACT NAME:		CONTACT EMAIL:	

SELECT PROFILE TYPE ORDERING INFORMATION EXAMPLE: JACLS-3535-118-45D-D-ST-LS1-40K-80-SV-PMK-5

STEP 1

PROFILE SERIES	PROFILE SIZE	PROFILE TYPE	LIGHT DISTRIBUTION	MODULE TYPE	LIGHT SOURCE	
JACLS-3535	**98** 98" Profile (max length)	**STRL** Straight Profile	**D** Downward Light	**ST** Starter	**LS1-x**	Standard White Light
	x Replace the "x" with the profile length			**MD** Middle	**LS2-HO-x**	High Output White Light Replace "x" with desired CCT (27K/30K/35K/40K/50K/65K)
				EN End	**LS3-TW**	Tunable White (27K+65K)
					LS4-RGB	Red/Blue/Green
					LS5-RGBW	Red/Blue/Green/White
					LS6-WD	Warm Dim

LUMEN/FT	CRI	FRAME COLOR	MOUNTING OPTIONS	
Blank Standard Lm/Ft of Light Source	**80** >80 CRI	**SV** Silver (RAL9006)	**CMK**	Ceiling Mount Kit
x Replace the "x" with desired lumen/ft	**90** >90 CRI	**BK** Black (RAL9005)	**TRMK**	Trimless Recessed Mounting Kit
		WH White (RAL9003)	**PMK-5**	Pendant Mount Kit, 5FT Cable & Cord
			PMK-8	Pendant Mount Kit, 8FT Cable & Cord

CEILING MOUNT KIT

TRIMLESS RECESSED MOUNT KIT

PENDANT MOUNT KIT

None-powered canopy/Aircraft cable:

- Height: 3/16″
- Diameter: 4 3/4″

Powered canopy/Aircraft cable & Power cord:

- Height: 3/16″
- Diameter: 4 3/4″

Note: Canopies with driver inside size could be 12" to 16" in diameter with depth from 2" to 3". Please consult sales team for more information.

SELECT CANOPY OPTIONS

STEP 2

PENDANT MOUNT KIT CANOPY OPTIONS

- JACLS-PMK-NPCP-y Non-Powered Canopy / Replace "y" with color
- JACLS-PMK-PCP-y Powered Canopy / Replace "y" with color
- JACLS-PMK-NC No Canopy Pendant Mount Kit

SELECT-CONTROL OPTIONS

STEP 3

CONTROLS OPTIONS

- CB-NLC CASAMBI® Bluetooth Network Lighting Control System
- SR-NLC Silvair® Bluetooth Network Lighting Control System
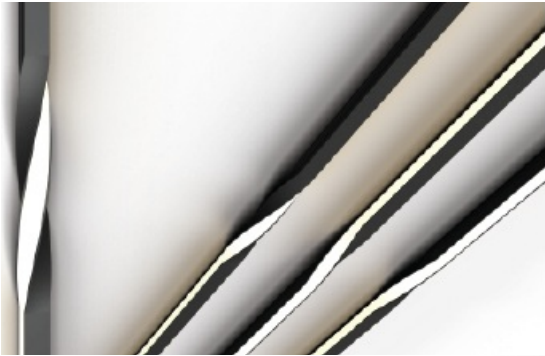
SELECT A DRIVER (REQUIRED)

STEP 4

DRIVER TYPE

- AC-A25VD24H1.04 25W Range, 24VDC, 0-10V Dimming Driver
- AC-60VD24AER 60W range, 24VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC-60VD24AB2RV 60W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- AC-100VD24AB4RU 100W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- ACA100VD24H4.1C 100W Range, 24VDC, 0-10V Dimming Driver: SLIM
- HLG-150H-24 150W IP67, 24VDC, PFC Harsh Environment, Metal Case, 6.3A output.
- AC60VD48A1.25NA 60W range, 48VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC150VD48A3.15S 150W Range, 48VDC, 0-10V Dimming Driver

TWIST PROFILES

PROFILE: TWIST PROFILES

PROJECT NAME:		REP AGENCY:	
LOCATION:		APPROVAL BY:	
SPECIFYING ARCHITECT:		DATE:	
CONTACT NAME:		CONTACT EMAIL:	

SELECT PROFILE TYPE ORDERING INFORMATION EXAMPLE: JACLS-3535-118-45D-D-ST-LS1-40K-80-SV-

PMK-5

STEP 1

PROFILE SERIES	PROFILE SIZE		PROFILE TYPE		LIGHT DISTRIBUTION		MODULE TYPE		LIGHT SOURCE	
JACLS-TWIST	16	16" Profile Length	90D-R	90° Right Twist	D	Downward Light	ST	Starter	LS1-x	Standard White Light
	20	20" Profile Length	90D-L	90° Left Twist			MD	Middle	LS2-HO-x	High Output White Light
			180D	180° Twist			EN	End		Replace "x" with desired CCT (27K/30K/35K/40K/50K/65K)
									LS3-TW	Tunable White (27K+65K)
									LS4-RGB	Red/Blue/Green
									LS5-RGBW	Red/Blue/Green/White
									LS6-WD	Warm Dim

LUMEN/FT		CRI		FRAME COLOR		MOUNTING OPTIONS	
Blank	Standard Lm/Ft of Light Source	80	>80 CRI	SV	Silver (RAL9006)	CMK	Ceiling Mount Kit
x	Replace the "x" with desired lumen/ft	90	>90 CRI	BK	Black (RAL9005)	TRMK	Trimless Recessed Mounting Kit
				WH	White (RAL9003)	PMK-5	Pendant Mount Kit, 5FT Cable & Cord
						PMK-8	Pendant Mount Kit, 8FT Cable & Cord

CEILING MOUNT KIT

TRIMLESS RECESSED MOUNT KIT

PENDANT MOUNT KIT

SELECT CANOPY OPTIONS

STEP 2

PENDANT MOUNT KIT CANOPY OPTIONS

- JACLS-PMK-NPCP-y Non-Powered Canopy / Replace "y" with color
- JACLS-PMK-PCP-y Powered Canopy / Replace "y" with color
- JACLS-PMK-NC No Canopy Pendant Mount Kit

SELECT-CONTROL OPTIONS

STEP 3

CONTROLS OPTIONS

- CB-NLC CASAMBI® Bluetooth Network Lighting Control System
- SR-NLC Silvair® Bluetooth Network Lighting Control System

SELECT A DRIVER (REQUIRED)
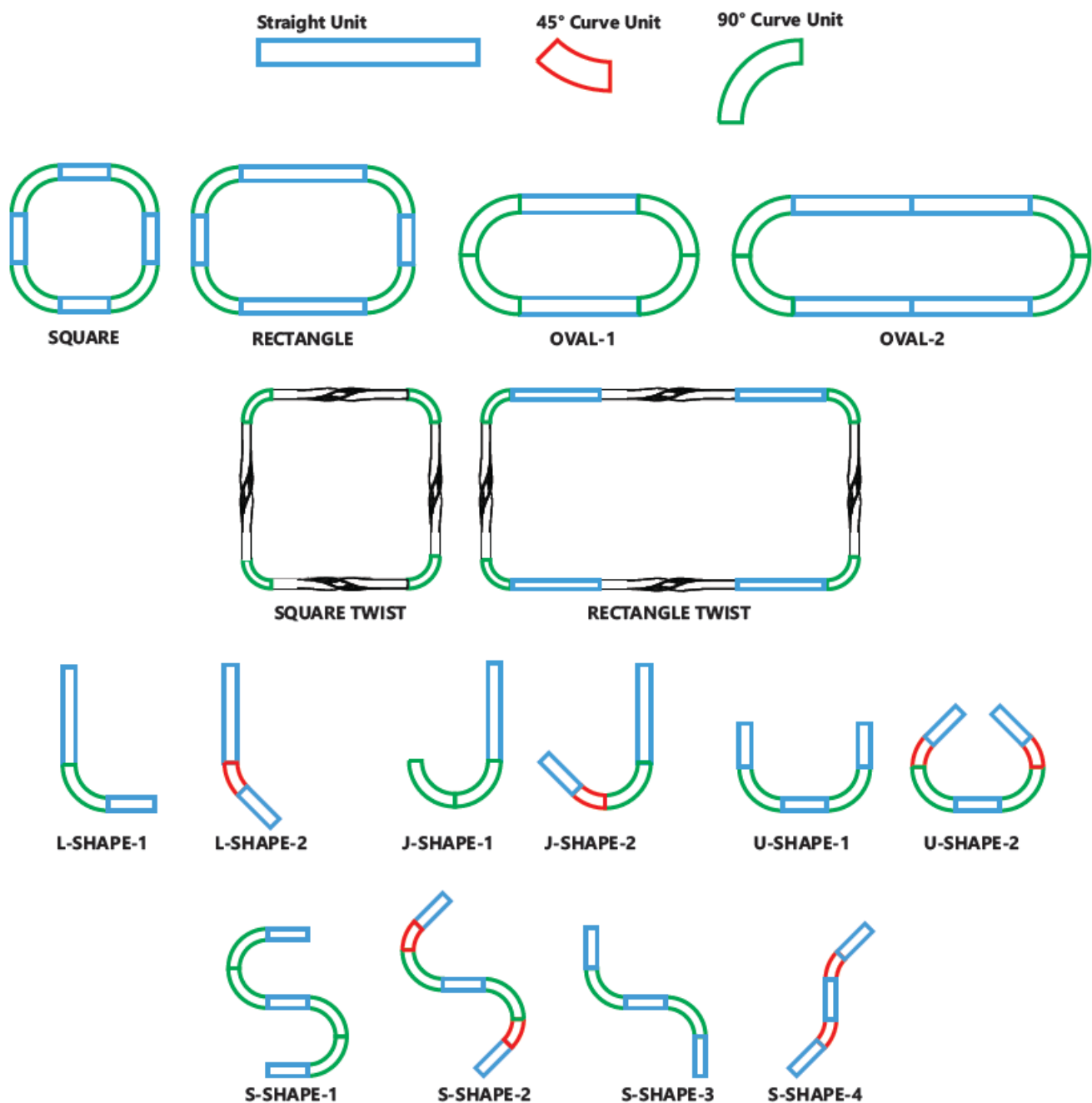
STEP 4

DRIVER TYPE

- AC-A25VD24H1.04 25W Range, 24VDC, 0-10V Dimming Driver
- AC-60VD24AER 60W range, 24VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC-60VD24AB2RV 60W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- AC-100VD24AB4RU 100W Range, 24VDC, 0-10V Dimming Driver: with J-Box
- ACA100VD24H4.1C 100W Range, 24VDC, 0-10V Dimming Driver: SLIM
- HLG-150H-24 150W IP67, 24VDC, PFC Harsh Environment, Metal Case, 6.3A output.
- AC60VD48A1.25NA 60W range, 48VDC, 0-10V Dimming Driver: Adjustable Output Power: 6W-60W
- AC150VD48A3.15S 150W Range, 48VDC, 0-10V Dimming Driver

LIGHT SOURCE LUMEN PERFORMANCE AND ELECTRICAL DATA

Light Source	Input Voltage	CRI	Current /FT	Power /FT	IP Rating	Max Length	Cut Length	LED Pitch	Min Bend	Mounting	LUMEN / FT							
											2300K	2700K	3000K	3500K	4000K	5000K	6000K	6500K
LS1 (CV)	DC24V	80	244mA	6W	IP20	16.4FT	0.16"	0.49"	ø2.36"	3M TAPE		802	843	884	884	884		849
LS2 (HO-CC)	DC33V	80	720mA	21.7W	IP20/IP65	88FT	0.50"	0.50"	ø0.50"	3M TAPE		2615	2743	2798	3086	3117	3117	3117
LS2 (HO-CC)	DC33V	90	720mA	21.7W	IP20/IP65	88FT	0.50"	0.50"	ø0.50"	3M TAPE		2616	2449	2799	3087	3118	3117	3117
LS3-TW (CV)	DC24V	80	244mA	13W	IP20	13.1FT	1.98"	0.37"	ø2.36"	3M TAPE		823	-------	-------	-------	-------	-------	887
LS3-TW (CV)	DC24V	90	244mA	13W	IP20	13.1FT	1.98"	0.37"	ø2.36"	3M TAPE		689	-------	-------	-------	-------	-------	747
LS3 (TW-CC)	DC36V	80	720mA	16.5W	IP20	44FT	0.5"	0.5"	ø0.50"	3M TAPE		2981	3049	3117	3185	3252	3320	3388
LS3 (TW-CC)	DC36V	90	720mA	16.5W	IP20	44FT	0.5"	0.5"	ø0.50"	3M TAPE		2526	2584	2641	2699	2756	2814	2871
LS6-WD (CC)	DC33V	90	720mA	20.5W	IP20	44FT	0.5"	0.5"	ø0.50"	3M TAPE	2,260	-------	2867					

Light Source	Input Voltage	CRI	Current /FT	Power/FT	IP Rating	Max Length	Cut Length	LED Pitch	Min Bend	Mounting	RED 620-625nm	GREEN 520-525nm	BLUE 455-460nm	White	
LS4-RGB (CV)	DC24V		253mA	6W	IP20	16.4FT	1.41"	0.47"	ø2.36"	3M TAPE	48	159	38		245
LS4-RGB (CC)	DC24V		312mA	7.6W	IP20	44FT	2.0"	0.5"	ø0.50"	3M TAPE	244	436	109		899
LS5-RGBW (CC)	DC24V		240mA	14.3W	IP20	44FT	2.0"	0.5"	ø0.50"	3M TAPE	244	436	109	13	

DESIGN CONFIGURATIONS

Straight Unit

45° Curve Unit

90° Curve Unit

SQUARE

RECTANGLE

OVAL-1

OVAL-2

SQUARE TWIST

RECTANGLE TWIST

L-SHAPE-1

L-SHAPE-2

J-SHAPE-1

J-SHAPE-2

U-SHAPE-1

U-SHAPE-2

S-SHAPE-1

S-SHAPE-2

S-SHAPE-3

S-SHAPE-4

DESIGN CONFIGURATION (DOWNWARD LIGHTING)

CONTACT

- Quotations: **quotes@jademar.com**
- To place an order: **orders@jademar.com**
- Tel: (305) 640.0465 **|** Fax: (305) 640.0468
- **WWW.JADEMAR.COM**

Information contained herein is subject to change without notice. Revised 07/2024

Documents / Resources

JADEMAR JACLS-3535 Series Architectural Curve Lighting System [pdf] Owner's Manual
JACLS-3535, JACLS-3535 Series Architectural Curve Lighting System, JACLS-3535 Series, JA
CLS-3535 Series Curve Lighting System, Architectural Curve Lighting System, Architectural Cu
rve Lighting, Curve Lighting System, Curve Lighting, Curve, Lighting

References

- [**User Manual**](#)