

4CS^{LED} 4" Cylinder – Square

FEATURES

- Slim profile for unobtrusive illumination
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 14° narrow spot to 50° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Variety of cord colors available in standard or braided for custom design
- Reflectors create smooth, low-glare radiance
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – Extruded aluminum with die-cast aluminum accent ring.
- FINISH – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- OPEN REFLECTOR – Low-iridescent anodized aluminum with top diffuser. Clear semi-specular finish standard.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- ELECTRICAL – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90 = 49,000 hours. Estimated L70 = 179,000 hours.
- MOUNTING – Surface, cable, pendant, power cord or wall mount. Indoor applications only. Max weight 5-5/8 lbs.
- LISTINGS –
 - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

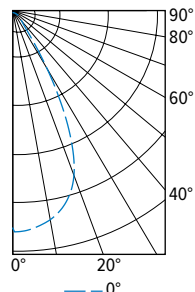
FIXTURE PERFORMANCE DATA

	DISTRIBUTION	FLUSH LENS TRIM TYPE			OPEN REFLECTOR TRIM TYPE			REGRESSED LENS TRIM TYPE		
		DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L5	W	526	6.6	80	381	7.2	53	530	6.5	82
	M	528	6.6	80	361	7.2	50	520	6.6	79
	N	511	6.5	79	372	7.2	52	511	6.5	79
	S	607	7.8	78	435	7.8	56	609	7.8	78
L7	W	739	8.5	87	535	9.3	58	745	8.5	88
	M	742	8.5	87	507	9.3	55	731	8.5	86
	N	718	8.5	84	523	9.3	56	718	8.5	84
	S	848	11.2	76	607	11.2	54	850	11.2	76
L9	W	947	10.5	90	686	11.4	60	954	10.5	91
	M	950	10.5	90	650	11.4	57	936	10.5	89
	N	920	10.5	88	670	11.4	59	920	10.5	88
	S	1085	14.1	77	777	14.1	55	1089	14.1	77
L12	W	1292	14.0	92	936	15.3	61	1302	14.0	93
	M	1296	14.0	93	886	15.3	58	1277	14.0	91
	N	1254	14.0	90	914	15.3	60	1255	14.0	90
	S	1440	20.4	71	1031	20.4	51	1445	20.4	71
L15	W	1602	17.3	93	1160	17.3	67	1614	17.3	93
	M	1607	17.3	93	1099	17.3	64	1583	17.3	92
	N	1555	17.3	90	1133	17.3	65	1556	17.3	90
	S	1783	26.7	67	1276	26.7	48	1789	26.6	67
L20	W	2104	23.4	90	1523	25.6	59	2119	23.4	91
	M	2110	23.4	90	1443	25.6	56	2079	23.4	89
	N	2042	23.4	87	1488	25.6	58	2043	23.4	87
	S	–	–	–	–	–	–	–	–	–
L25	W	2528	29.5	86	2155	32.2	67	2547	29.4	87
	M	2536	29.5	86	1734	32.2	54	2498	29.5	85
	N	–	–	–	–	–	–	–	–	–
	S	–	–	–	–	–	–	–	–	–

- Photometrics tested in accordance with IESNA LM-79. Results based on WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish, W Distribution, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4CS-13-L15/835-DIM-UNV-LW-WH Total Luminaire Output: 1602 lumens; 17.3 Watts | Efficacy: 92.5 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1852	
	5	1869	129
	15	1690	259
	25	1065	225
	35	269	83
	45	109	43
	55	72	32
	65	46	21
75	22	9	
85	5	1	
90	0		

LUMEN SUMMARY	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°
S	14°	43°	14°

MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.92
	3000K	0.98
	3500K	1.00
	4000K	1.01
	5000K	1.02

90 CRI	2700K	0.76
	3000K	0.79
	3500K	0.82
	4000K	0.84
	5000K	0.88

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

BEAM ANGLE

	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°
S	14°	43°	14°

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ⁽¹⁾	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88

R TRIM	WH	1.00
	CS ⁽¹⁾	0.98
	BL ⁽¹⁾	0.79
	BZ ⁽¹⁾	0.76
	NK ⁽¹⁾	0.81
	SV ⁽¹⁾	0.81
	AL ⁽¹⁾	0.86

¹ Distribution will also be affected, consult factory.



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

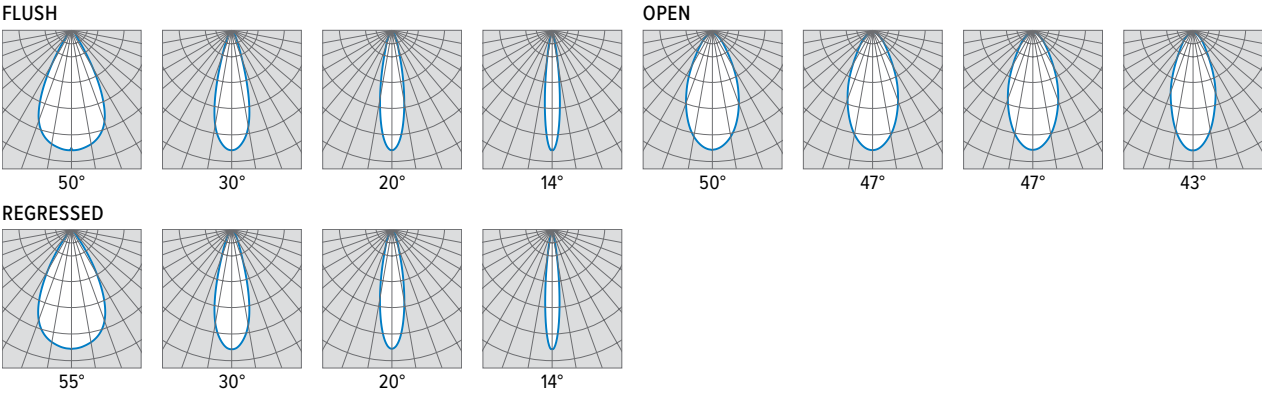
Designed and Manufactured in the USA

Information contained herein is subject to change without notice.

REV.08/21/24.LA

Cylinders
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4CS^{LED} 4" Cylinder – Square



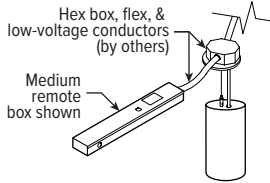
ADDITIONAL CONTROL/DRIVER OPTIONS

CONTROL/ DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP							
		L5	L7	L9	L12	L15	L20	L25	w/EM
DIM	Dimming driver prewired for 0-10V low voltage applications	OIS	OIS	OIS	OIS	OIS	OIS	OIS	RIL
DIM1	1% dimming driver prewired for 0-10V low voltage applications	OIS	OIS	OIS	OIS	OIS	OIS	OIS	RIL
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)	—	—	OIS	OIS	OIS	OIS	OIS	RIL
DMX	0.1% dimming driver for DMX controls	RIM	RIM	RIM	RIM	RIM	RIM	RIM	RIL
DALI	DALI dimming driver	RIM	RIM	RIM	RIM	RIM	RIM	RIM	RIL
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver	RIM	RIM	RIM	RIM	RIM	RIM	RIM	RIL
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power	OIS	OIS	OIS	OIS	OIS	OIS	OIS	RIL
AWNDR/DA ⁽¹⁾	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power	OIS	OIS	OIS	OIS	OIS	OIS	OIS	RIL

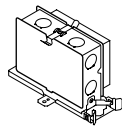
¹ RDB Option required when specified with SM Mounting Type, size follows table above.

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



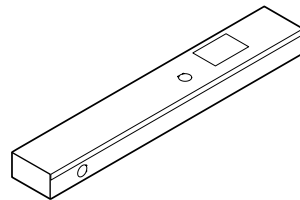
SMALL



Snap-in
Junction Box

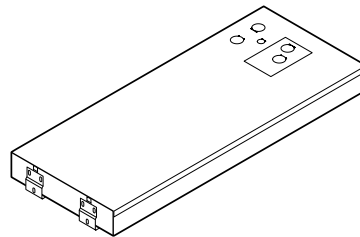
6-1/2" x 3" x 4-1/2"

MEDIUM



3-1/2" x 24" x 2"

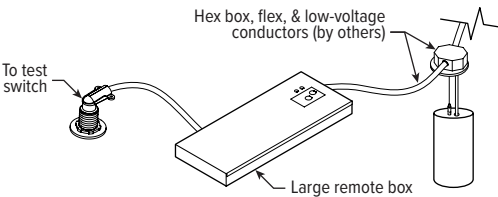
LARGE



9" x 24" x 2"

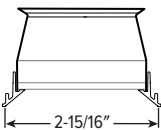
REMOTE MOUNT KEY	
OIS	RDB Optional, Small Box
RIM	RDB Required, Medium Box
RIL	RDB Required, Large Box

EMERGENCY BATTERY DETAILS

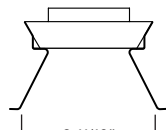


TRIM TYPE DETAILS

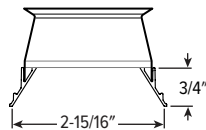
FLUSH



OPEN



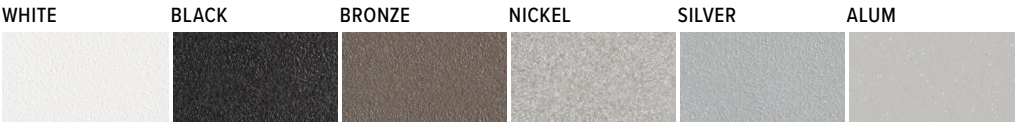
REGRESSED



4CS LED

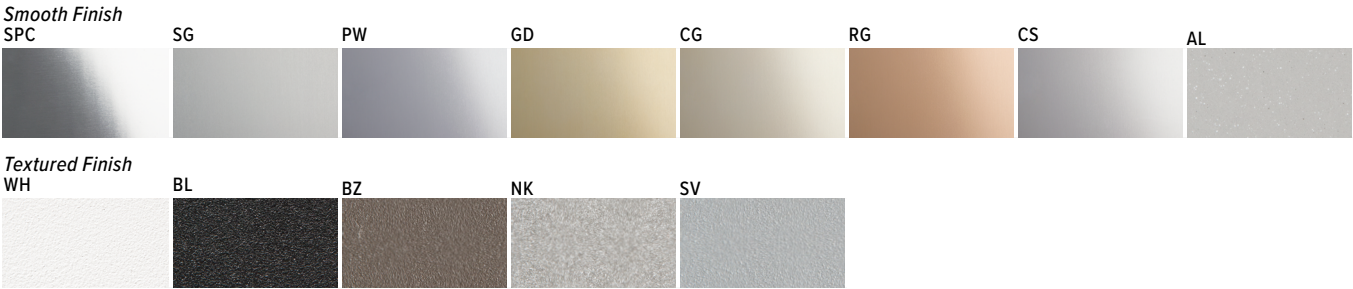
4" Cylinder – Square

HOUSING FINISH DETAILS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

REFLECTOR FINISH DETAILS



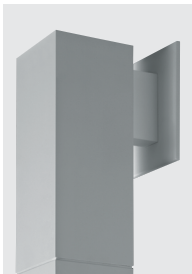
MOUNTING DETAILS

PENDANT MOUNT (PM__)

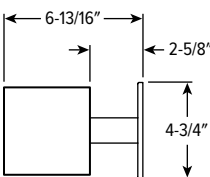


- Provided with:
- 38° Swivel canopy
 - 3/8" IPS Threaded stem
 - Specify length of stem, 6" minimum, 24" default length

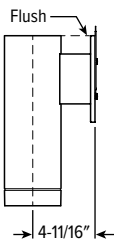
WALL MOUNT (WM)



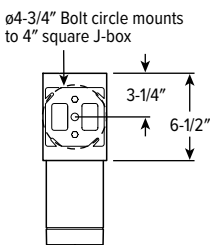
TOP VIEW



SIDE VIEW



BACK VIEW



SURFACE MOUNT (SM)



TwistLock™
Simple lift-and-twist mounting secures fixture to J-box.
Provided with surface mount adaptor with pigtail

CABLE MOUNT (CM__)



- Provided with:
- Dual adjustable length aircraft cables, must specify length in 24", 48", 96", or 144" inches.
 - 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

POWER CORD MOUNT (PC)



- Provided with:
- 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - Power cord mounting adaptor

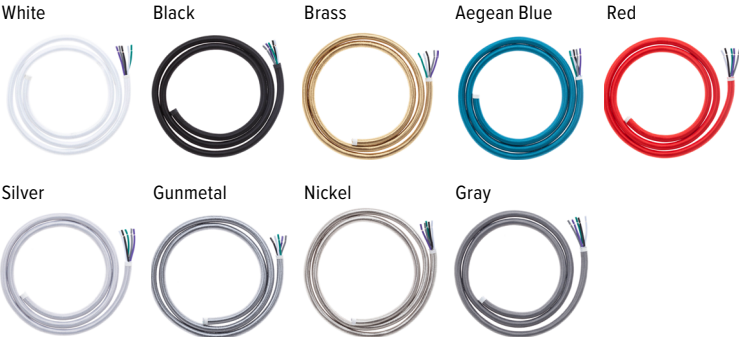
CORD OPTIONS

Must specify cord when cable and power cord mounting.

ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24	3	8 18-gauge	Standard
	24"	3		/W White
	48	4		/B Black
	48"	5		Braided ⁽¹⁾
	96	6		/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

COLOR DETAILS

Additional colors may be available, consult factory.



¹ (5) conductors cord only.



4CS^{LED} 4" Cylinder – Square

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning
Mobile App

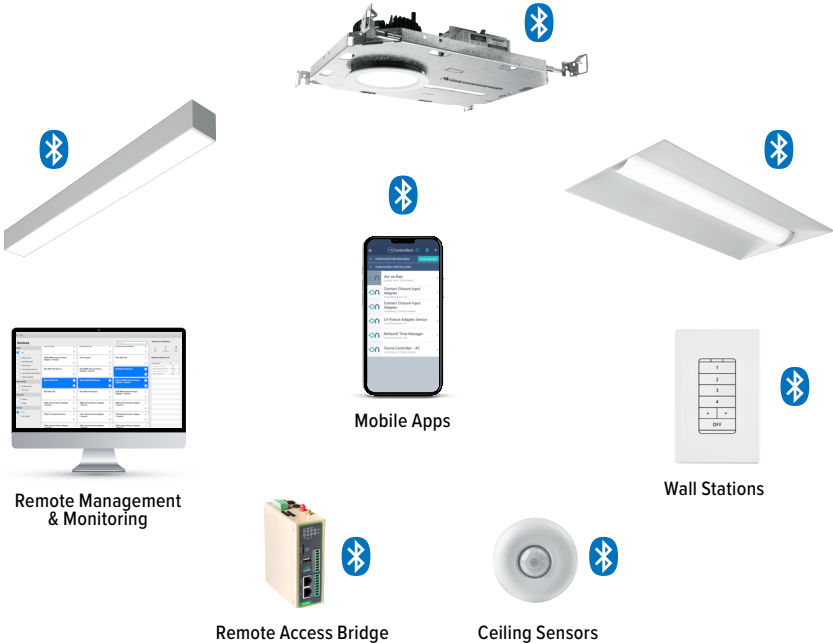


Zone Scanner
Web App



Commissioning
Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

