W6CR LED
6.5" Wet Location Cylinder – Round

Williams

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT • IP66 Rated • TwistLock™

15-1/4"

ø4-1/2"
ø6-1/2"

FEATURES

- Sleek architectural form delivers refined, high-performance outdoor illumination
- Bold profile creates a strong visual statement across large exterior surfaces
- Versatile pendant, wall, and canopy-mount maximize application flexibility
- Durable aluminum housing and die-cast trim engineered for year-round exposure
- Sealed IP-rated design guards internal components from water, dust, and debris
- Simple lift-and-twist surface and pendant mount secures trim skirt to junction box
- Beam angles ranging from 13° spot to 64° wide for tailored performance
- Pairs with Williams indoor cylinders for seamless exterior-to-interior continuity
- Maximize energy savings with efficacies up to 116 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING** – Extruded aluminum with die-cast aluminum accent ring.
- **FINISH** – Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability. Salt spray tested, 3,000 hours (ASTM B117).
- **TRIM** – Die-cast aluminum frame with micro-prismatic, glass 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. Estimated L70>105,000 hours. 50/60 Hz, THD <10%. Rated -10°C to 40°C ambient operating temperature. 0°C to 40°C with EM battery.
- **MOUNTING** – Surface, pendant, or wall mount.
- **LISTINGS** –
  - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.2-20. Suitable for wet locations.
  - ANSI/UL Standard 2108
  - IP66 rated.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/buy-american
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: W6CR - 15 - L20/835 - OPTIONS - WHT - DIM - UNV - W - WM

SERIES	HEIGHT	LUMENS [1]	CRI	CCT	OPTIONS [2]	
W6CR	15 15"	**Integral Driver [3]**	8 80	27 2700K	EM/7W	7-watt emergency battery [5]
		L10 1,000lm	9 90	30 3000K	EM/10WRM/IPRTS	Remote mount 10-watt emergency battery with IP65 rated regressed test switch [6]
		L20 2,000lm		35 3500K		
		L30 3,000lm		40 4000K	RDB	Remote mount control/driver box, galvanized steel [7]
		L40 4,000lm		50 5000K		
		L50 5,000lm			PC	Factory-installed button-style photocell [8]
		L60 6,000lm			(L__)	Additional lower lumen packages available [9] Example: 1,500 lumens = W6CR-15-L20/835-(L15)
		Remote Driver [4]				
		L70 7,000lm				

HOUSING FINISH [10]		DRIVER	VOLTAGE	DISTRIBUTION
BLK	Black (RAL #9004)	*See page 3 for ADDITIONAL DRIVER OPTIONS.*	UNV 120-277V	W 64° Wide
DBZ	Dark bronze		347 347V [11]	M 35° Medium
DBR	Medium bronze	DIM Dimming driver, 0-10V		N 23° Narrow
GRAY	Standard gray	DIM1 1% Dimming driver, 0-10V		S 13° Spot
GRN	Green (RAL #6005)			
SLV	Satin aluminum (RAL #9006)			
WHT	White (RAL #9003)			

MOUNTING [12]

Recessed J-Box

WM	Wall mount to recessed J-box [13]
SM	Surface mount to recessed J-box [14]
PM__	Pendant mount to recessed J-box [15] Specify length in 1" increments, minimum 6". Example: 24" pendant = PM24

Surface J-Box

SMS	Surface mount to surface J-box [16]
PMS__	Pendant mount to surface J-box [17] Specify length in 1" increments, minimum 6". Example: 24" pendant = PMS24

NOTES

1. Lumen output based on W Distribution and 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
2. See page 3 for EMERGENCY BATTERY DETAILS. All EM batteries are California Energy Commission (CEC) Compliant.
3. Restrictions apply. See page 3 for ADDITIONAL DRIVER OPTIONS.
4. Must specify with RDB Option.
5. Only available with L10 – L40 lumen packages and DIM, DIM1 and DIM LINE drivers.
6. Max remote distance 50′, including suspension length. Large remote box provided.
7. Painted driver box available, specify RDB/BLK or RDB/WHT.
8. Not available with 347V or EM batteries.
9. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
10. See page 2 for HOUSING FINISH DETAILS.
11. Not available with EM batteries or DMX driver.
12. See page 4 for MOUNTING DETAILS.
13. 4″ square galvanized J-box, by others.
14. 4″ octagonal galvanized J-box, by others.
15. Canopy and pendant match fixture housing color unless specified otherwise. 4″ octagonal galvanized J-box, by others.
16. 4″ round cast aluminum weatherproof J-box, by others.
17. Canopy and pendant match fixture housing color unless specified otherwise. 4″ round cast aluminum weatherproof J-box, by others.

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.07/29/25.JL

Cylinders
Page 1 of 4

W6CR LED
6.5" Wet Location Cylinder – Round

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1081	10.1	107
	M	986	10.1	98
	N	958	10.1	95
	S	1068	10.1	106
L20	W	2169	20.1	108
	M	1978	20.1	98
	N	1922	20.1	96
	S	2143	20.1	107
L30	W	3077	27.0	114
	M	2806	27.0	104
	N	2753	27.0	102
	S	3049	27.0	113
L40	W	4045	36.7	110
	M	3685	36.7	100
	N	3620	36.7	99
	S	4008	36.7	109
L50	W	5173	45.0	115
	M	4666	45.0	104
	N	4588	45.0	102
	S	5116	45.0	114
L60	W	6241	53.6	116
	M	5630	53.6	105
	N	5536	53.6	103
	S	6172	53.6	115
	RDB OPTION REQUIRED			
L70	W	7021	63.7	110
	M	6333	63.7	99
	N	6195	63.7	97
	S	6944	63.7	109

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	**CONVERSION FACTOR**
80 CRI	2700K	0.98
	3000K	1.00
	3500K	1.00
	4000K	1.01
	5000K	0.99
90 CRI	2700K	0.93
	3000K	0.95
	3500K	0.96
	4000K	0.97
	5000K	0.94

- Photometrics tested in accordance with IESNA LM-79. Results based on W Distribution and 80 CRI/3500K CCT, 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 table to calculate additional options.

DISTRIBUTION CURVES

64° Wide   35° Medium   23° Narrow   13° Spot
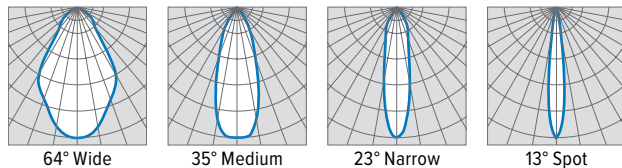
HOUSING FINISH DETAILS

WHITE   BLACK   GREEN   MEDIUM BRONZE   DARK BRONZE   SATIN ALUMINUM   GRAY

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.
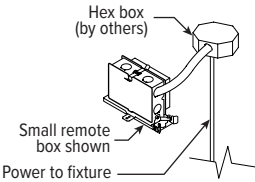
SEE NEXT PAGE FOR DRIVER DETAILS

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.07/29/25.JL

Cylinders
Page 2 of 4

W6CR LED
6.5" Wet Location Cylinder – Round

ADDITIONAL DRIVER OPTIONS

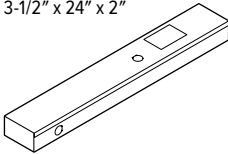| DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP							
		L10	L20	L30	L40	L50	L60	L70	10W EM
DIM	Dimming driver prewired for 0-10V low voltage applications	O I S	O I S	O I S	O I M	O I M	O I M	R I M	R I L
DIM1	1% dimming driver prewired for 0-10V low voltage applications	O I S	O I S	O I S	O I M	O I M	O I M	R I M	R I L
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)	—	O I S	O I S	O I M	O I M	O I M	—	R I L
DMX	0.1% dimming driver for DMX controls	R I M	R I M	R I M	R I M	R I M	R I M	—	R I L
DALI	DALI dimming driver	O I M	O I M	O I M	O I M	O I M	—	—	R I L
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver	O I M	O I M	O I M	O I M	—	—	—	R I L

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension length, connection by others. Must be room-side accessible and mounted in dry/damp location.
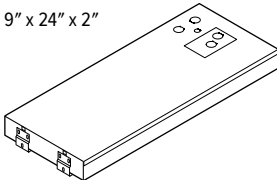
REMOTE MOUNT KEY	
O I S	RDB Optional, Small Box
O I M	RDB Optional, Medium Box
R I M	RDB Required, Medium Box
R I L	RDB Required, Large Box

Hex box (by others)

Small remote box shown

Power to fixture

SMALL
Snap-in junction box
6-1/2" x 3" x 4-1/2"
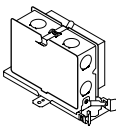
MEDIUM
3-1/2" x 24" x 2"
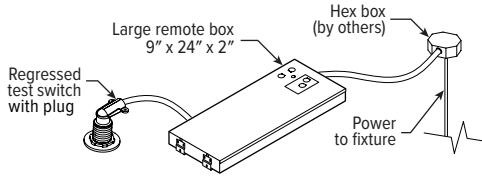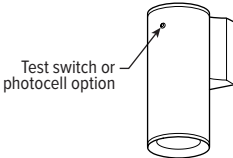
LARGE
9" x 24" x 2"

EMERGENCY BATTERY DETAILS

REMOTE MOUNT

Regressed test switch
ø1-3/4"

Max remote distance is 50', connection by others.
Must be mounted in dry/damp location.

Large remote box
9" x 24" x 2"

Hex box (by others)

Regressed test switch with plug

Power to fixture

INTEGRAL

Test switch or photocell option located 2-3/8" from top of cylinder. Wall mount shown.

Test switch or photocell option

SEE NEXT PAGE FOR MOUNTING DETAILS

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.07/29/25.JL

Cylinders
Page 3 of 4

W6CR LED
6.5" Wet Location Cylinder – Round

MOUNTING DETAILS

WALL MOUNT

WM

Adaptor

ø4-3/4" bolt circle for 4" square J-box

(4) ø3/16" mounting holes

15°

4" sq

Side View

7"

3-9/16"

10-1/16"

Top View

ø6-1/2"

5-11/16"

6-13/16"
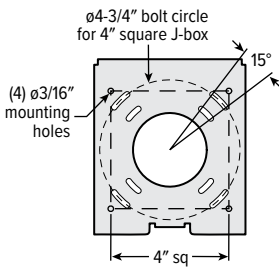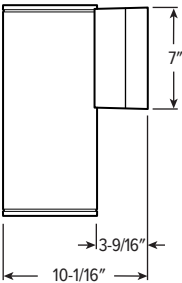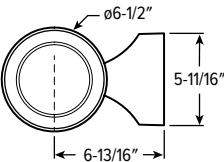
SURFACE MOUNT

SM

Secures to 4" octagonal galvanized recessed j-box, by others

ø6-5/8"

1-15/16"

17-3/16"
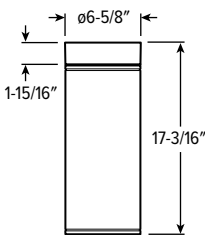
SMS

Secures to 4" octagonal galvanized surface j-box, by others
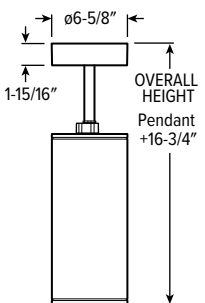
ø6-5/8"

3"

18-1/4"
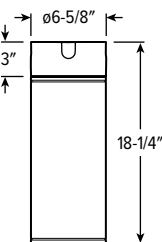
PENDANT MOUNT

Provided with 1/2" IPS Threaded stem. Specify length of stem, 6" minimum, 24" default length.

PM__

Secures to 4" octagonal galvanized recessed j-box, by others

ø6-5/8"

1-15/16"

OVERALL HEIGHT
Pendant +16-3/4"

PMS__

Secures to 4" octagonal galvanized surface j-box, by others

ø6-5/8"

3"

OVERALL HEIGHT
Pendant +17-3/4"

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.07/29/25.JL

Cylinders
Page 4 of 4