W6CR LED
6.5" Wet Location Compact Cylinder – Round

Williams®

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT · IP66 Rated · TwistLock™

FEATURES

- Sleek architectural form delivers refined, high-performance outdoor illumination
- Bold profile creates a strong visual statement across large exterior surfaces
- Compact build saves space in low-clearance areas
- 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 13º spot to 64º wide for tailored performance
- Pairs with Williams indoor cylinders for seamless exterior-to-interior continuity
- Maximize energy savings with efficacies up to 114 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 -10ºC to 40ºC ambient operating temperature. 0ºC to 40ºC 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

Dimensions

9″ · ø4-1/2″ · ø6-1/2″

ORDERING EXAMPLE: W6CR - 09 - L20/835 - OPTIONS - WHT - DIM - UNV - W - WM

SERIES	HEIGHT	LUMENS [1]	CRI	CCT	OPTIONS
W6CR	09 9″	L10 1,000lm	8 80	27 2700K	EM/10WRM/IPRTS Remote mount 10-watt emergency battery with IP65 rated regressed test switch [2]
		L20 2,000lm	9 90	30 3000K	RDB Remote mount control/driver box, galvanized steel [3]
		L30 3,000lm		35 3500K	(L__) Additional lower lumen packages available [4]
		L40 4,000lm		40 4000K	Example: 1,500 lumens = W6CR-09-L20/835-(L15)
				50 5000K	

HOUSING FINISH [5]

BLK	Black (RAL #9004)
DBZ	Dark bronze
DBR	Medium bronze
GRAY	Standard gray
GRN	Green (RAL #6005)
SLV	Satin aluminum (RAL #9006)
WHT	White (RAL #9003)

DRIVER

See page 2 for ADDITIONAL DRIVER OPTIONS.

DIM Dimming driver, 0-10V
DIM1 1% Dimming driver, 0-10V

VOLTAGE

UNV 120-277V
347 347V [6]

DISTRIBUTION

W 64° Wide
M 35° Medium
N 23° Narrow
S 13° Spot

MOUNTING [7]

Recessed J-Box

WM	Wall mount to recessed J-box [8]	
SM	Surface mount to recessed J-box [9]	
PM__	Pendant mount to recessed J-box [10] Specify length in 1″ increments, minimum 6″. Example: 24″ pendant = **PM24**	

Surface J-Box

SMS	Surface mount to surface J-box [11]
PMS__	Pendant mount to surface J-box [12] 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. Max remote distance 50′, including suspension length. Large remote box provided. See page 2 for EMERGENCY BATTERY DETAILS. California Energy Commission (CEC) Compliant.
3. Painted driver box available, specify RDB/BLK or RDB/WHT.
4. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
5. See page 3 for HOUSING FINISH DETAILS.
6. Not available with EM batteries or DMX drivers.
7. See page 3 for MOUNTING DETAILS.
8. 4″ square galvanized J-box, by others.
9. 4″ octagonal galvanized J-box, by others.
10. Canopy and pendant match fixture housing color unless specified otherwise. 4″ octagonal galvanized J-box, by others.
11. 4″ round cast aluminum weatherproof J-box, by others.
12. Canopy and pendant match fixture housing color unless specified otherwise. 4″ round cast aluminum weatherproof J-box, by others.

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Cylinders
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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

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.
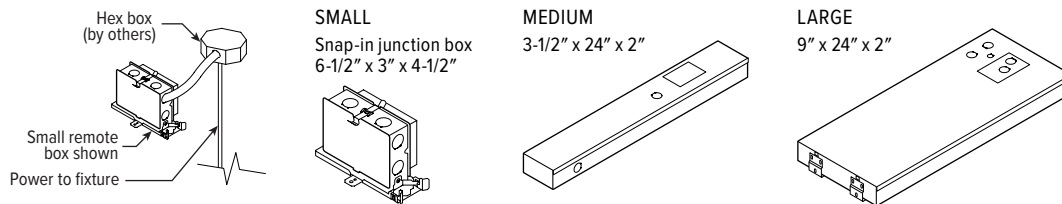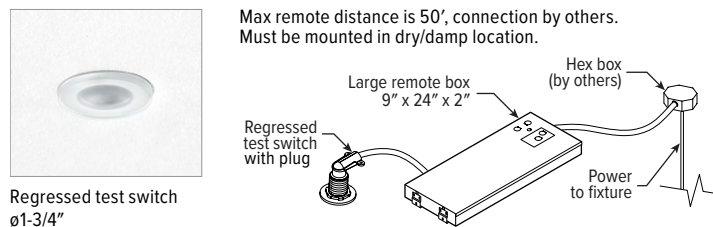
DISTRIBUTION CURVES

64° Wide · 35° Medium · 23° Narrow · 13° Spot
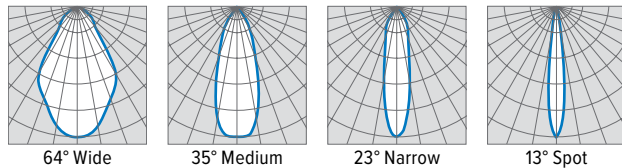
ADDITIONAL DRIVER OPTIONS

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

REMOTE MOUNT KEY

O|S	RDB Optional, Small Box
R|S	RDB Required, Small Box
R|M	RDB Required, Medium Box
R|L	RDB Required, Large Box

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.

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

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"
Regressed test switch with plug
Hex box (by others)
Power to fixture

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Cylinders
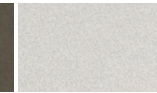Page 2 of 3

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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.
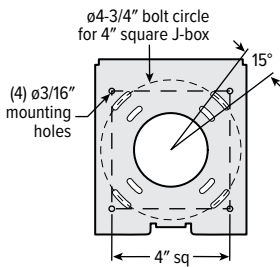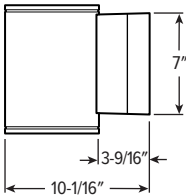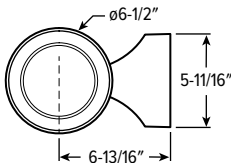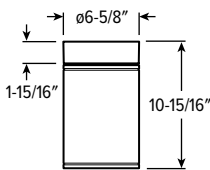
MOUNTING DETAILS

WALL MOUNT

WM

Adaptor

ø4-3/4" bolt circle for 4" square J-box
15°
(4) ø3/16" mounting holes
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"
10-15/16"

SMS

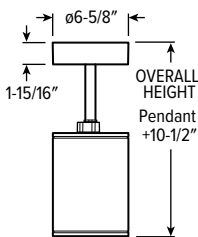Secures to 4" octagonal galvanized surface j-box, by others

ø6-5/8"
3"
12"
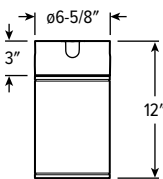
PENDANT MOUNT

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 +10-1/2"

PMS__

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

ø6-5/8"
3"
OVERALL HEIGHT
Pendant +11-1/2"

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