4CR LED
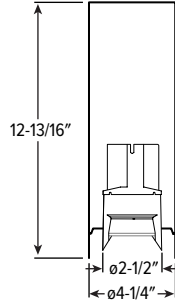## 4" Cylinder – Round

Williams

12-13/16"

ø2-1/2"
ø4-1/4"

CATALOG #: _____

TYPE: _____

PROJECT: _____

GET A QUOTE ›

FEATURES

TwistLock™

- Slim profile for unobtrusive illumination
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 8° narrow spot to 70° 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

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. Clear semi-specular finish standard.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic, tempered 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. 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 lbs.
- LISTINGS –
  - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 4CR - L20/835 - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM

← HOUSING → ← TRIM → MOUNT.

HOUSING

SERIES	LUMENS [1]		CRI		CCT		HOUSING FINISH [2]		CONTROL[3]		VOLTAGE	
4CR	L5	500lm	8	80	27	2700K	ALUM	Silver sparkle aluminum	DIM	Dimming driver, 0-10V	UNV	120-277V
	L7	700lm	9	90 [4]	30	3000K			DIM1	1% Dimming driver, 0-10V	347	347V
	L9	900lm			35	3500K	BLK	Textured black				
	L12	1,200lm			40	4000K	BRZ	Textured bronze				
	L15	1,500lm			50	5000K	NKL	Textured nickel				
	L20	2,000lm					SLV	Textured silver				
	L25	2,500lm					WHT	Textured white				

TRIM

TRIM TYPE
O   Open reflector
L   Flush lens
R   Regressed lens

DISTRIBUTION [5]
W   70° Wide
M   40° Medium
N   15° Narrow [7]
S   8° Narrow spot [8]

REFLECTOR FINISH [6]

Open Trim Types
CS   Clear semi-specular anodize
SG   Satin-glow anodize
GD   Gold anodize
CG   Champagne gold anodize
PW   Pewter anodize
SPC   Clear specular anodize
RG   Rose gold anodize
WH   White texture powder coat
BL   Black texture powder coat

Lens Trim Types
CS   Clear semi-specular powder coat
WH   White texture powder coat
BL   Black texture powder coat
BZ   Bronze texture powder coat
NK   Nickel texture powder coat
SV   Silver texture powder coat
AL   Silver sparkle aluminum

TRIM OPTIONS
AD   Diffuse acrylic lens [9]
PD   Diffuse 1/8" polycarbonate lens [10]
TD   Diffuse polycarbonate lens media at top of open reflector [11]

MOUNTING

MOUNTING TYPE [12]

CM__   Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = **CM24** [13]
PM__   Pendant mount. Example: 24" pendant = **PM24** [14]
PC__   Power cord mount. Example: 24" cord = **PC24** [15]
SM   TwistLock surface mount to octagonal J-box
WM   Wall mount

GET A QUOTE ›

NOTES

1. Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. See page 3 for HOUSING FINISH DETAILS.
3. See page 3 for ADDITIONAL CONTROL OPTIONS.
4. Extended lead times may apply. Consult factory for availability.
5. Beam angle based on O Trim Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
6. See page 3 for REFLECTOR FINISH DETAILS.
7. Not available with L25 lumen package when specified with L or R Trim Types.
8. Not available with L20 or L25 lumen packages or 950 CRI/CCT.
9. Not available with O Trim Type. W distribution only.
10. Not available with O Trim Type. W distribution only.
11. O Trim Type only.
12. See page 4 for MOUNTING DETAILS.
13. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
14. Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
15. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

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FIXTURE PERFORMANCE DATA

	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE DELIVERED LUMENS	EFFICACY (lm/W)	FLUSH LENS TRIM TYPE DELIVERED LUMENS	EFFICACY (lm/W)	REGRESSED LENS TRIM TYPE DELIVERED LUMENS	EFFICACY (lm/W)
L5	W	6.7	516	77	540	82	535	82
	M	6.7	499	74	532	81	509	78
	N	6.7	407	61	528	81	515	79
	S	7.8	451	58	624	79	602	77
L7	W	8.7	725	83	759	89	751	88
	M	8.7	700	81	748	88	715	84
	N	8.7	572	66	742	87	723	85
	S	11.2	630	56	871	78	840	75
L9	W	10.7	929	87	973	93	963	92
	M	10.7	898	84	958	92	917	88
	N	10.7	799	69	950	91	927	89
	S	14.1	807	57	1115	79	1075	76
L12	W	14.3	1267	89	1327	95	1313	94
	M	14.3	1224	86	1307	93	1250	89
	N	14.3	1000	70	1296	93	1264	90
	S	20.4	1071	53	1480	72	1427	70
L15	W	17.7	1571	89	1645	95	1628	94
	M	17.7	1518	86	1620	94	1550	90
	N	17.7	1240	70	1607	93	1567	91
	S	26.7	1326	50	1832	68	1767	66
L20	W	23.9	2063	86	2160	92	2138	92
	M	23.9	1993	83	2127	91	2035	87
	N	23.9	1629	68	2110	90	2058	88
	S	–	–	–	–	–	–	–
L25	W	30.1	2479	82	2596	88	2569	87
	M	30.1	2395	80	2556	87	2446	83
	N	30.1	1957	65	–	–	–	–
	S	–	–	–	–	–	–	–

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
TD	0.67

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
	WH [1]	0.89
	BL [1]	0.47
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.

BEAM ANGLE

	TRIM TYPE OPEN	FLUSH	REGRESSED
W	70°	50°	55°
M	40°	30°	30°
N	15°	20°	20°
S	8°	14°	14°

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3500K/80CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

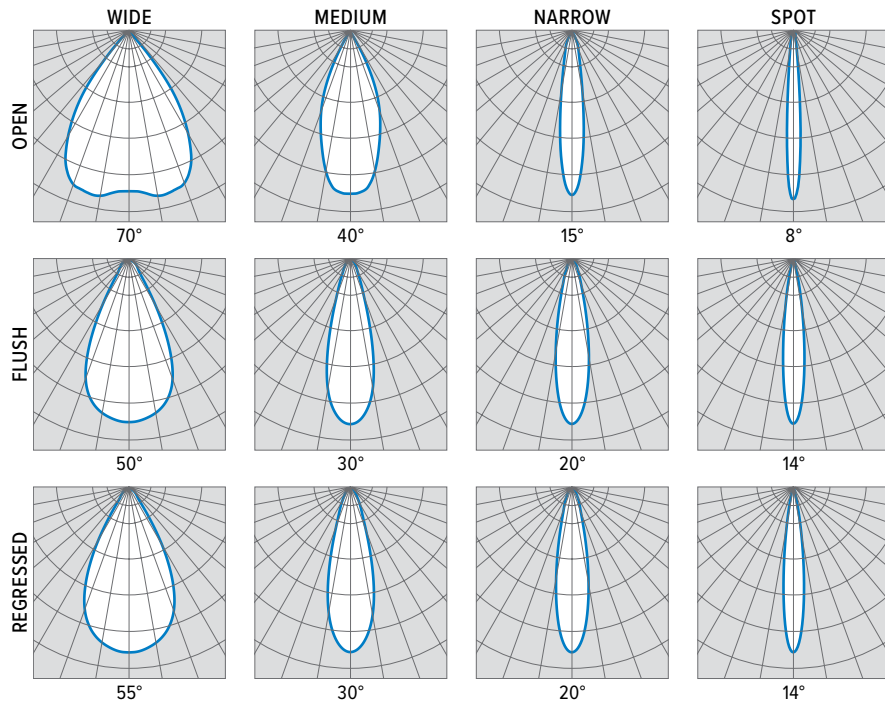**4CR-L25/835-DIM-UNV-OW-CS** Total Luminaire Output: 2479 lumens; 30.1 Watts | Efficacy: 82.3 lm/W | 80 CRI; 3500K CCT
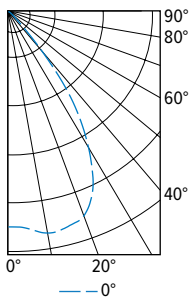
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2011	
5	2033	148
15	2087	341
25	1859	429
35	1089	271
45	150	39
55	35	12
65	12	4
75	2	1
85	0	0
90	0	

ZONE	LUMENS	% FIXTURE
0 - 40	2281	92
0 - 60	2464	99
0 - 90	2479	100
0 -180	2479	100

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4CR LED
4" Cylinder – Round

	WIDE	MEDIUM	NARROW	SPOT
OPEN	70°	40°	15°	8°
FLUSH	50°	30°	20°	14°
REGRESSED	55°	30°	20°	14°

ADDITIONAL CONTROL OPTIONS

| CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)

TRIM TYPE DETAILS

OPEN — ø2-1/2"

FLUSH — ø2-15/16"

REGRESSED — ø2-15/16" / 3/4"

HOUSING FINISH DETAILS

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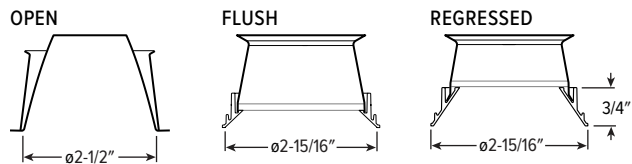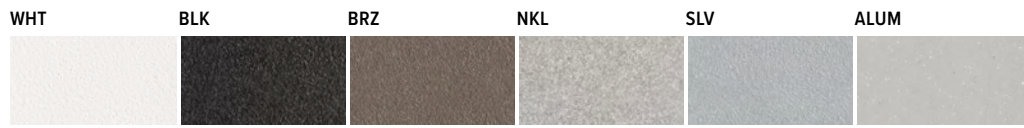
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

REFLECTOR FINISH DETAILS

SMOOTH FINISH

SPC   SG   PW   GD   CG   RG   CS   AL

TEXTURED FINISH

WH   BL   BZ   NK   SV
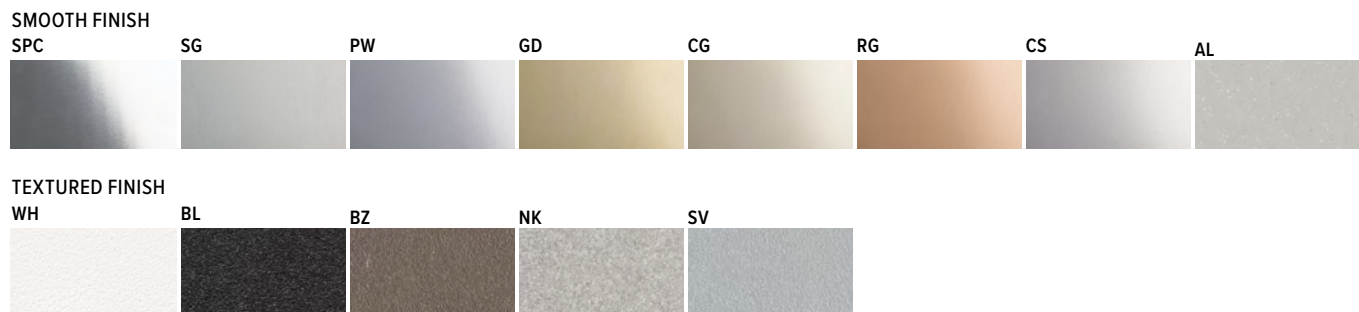
4CR LED
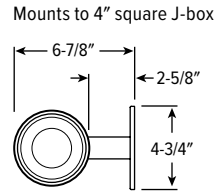## 4" Cylinder – Round

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Swivel pendant mount fixtures are provided with:
- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

WALL MOUNT (WM)

Mounts to 4" square J-box

6-7/8"
2-5/8"
4-3/4"

SURFACE MOUNT (SM)

TwistLock™

Simple lift-and-twist mounting secures fixture to J-box.

CABLE MOUNT (CM__)

Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in inches
- 18-gauge cord in choice of 9 colors, 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)

Power cord mount fixtures are provided with:
- 18-gauge cord in choice of 9 colors, 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** 24" **48** 48" **96** 96"	**3** 3 **4** 4 [1] **5** 5 **6** 6 [1]	**8** 18-guage	**Standard** **/W** White **/B** Black **Braided** **/WH** White **/BL** Black **/BR** Brass **/AE** Aegean Blue **/RE** Red **/SV** Silver **/GU** Gunmetal **/NK** Nickle **/GR** Gray

1 Standard cord only.

COLOR DETAILS
Additional colors may be available, consult factory.

White Black Brass Aegean Blue Red

Silver Gunmetal Nickle Gray

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Cylinders
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