

CATALOG #:
TYPE:
PROJECT:

FEATURES

Twist**Lock**®

- Slim profile for unobtrusive illumination
- Create a comfortable, welcoming ambiance using warm dimming technology to provide intimate lighting
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 15° narrow 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
- WARRANTY 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 4CR - L12/9DW - WHT - DIM - UNV, -, OW - CS - TRIM OPTIONS, -, CM, - HOUSING - TRIM MOUNT.

HOUSING

SERIES	LUMENS [1]	COLOR	HOUS	ING FINISH [2]	CON	ITROL	VOLTAGE
4CR	L7 700lm L12 1,200lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	BLK BRZ NKL SLV WHT	Silver sparkle aluminum Textured black Textured bronze Textured nickel Textured silver		Dimming driver, 0-10V Lutron Ecosystem enabled	UNV 120-277V 347 347V

TRIM

TRIM TYPE	DISTRIBUTION [3]	REFLECTOR FINISH [4]	TRIM OPTIONS
O Open reflector L Flush lens R Regressed lens	W 70° Wide M 40° Medium N 15° Narrow ^[5]	Open Trim Types CS Clear semi-specular anodize SG Satin-glow anodize GD Gold anodize CG Champagne gold anodize PW Pewter anodize	AD Diffuse acrylic lens ^[6] PD Diffuse 1/8" polycarbon lens ^[7] TD Diffuse polycarbonate lens media at top of opereflector ^[8]

RG Rose gold anodize

SPC Clear specular 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

R7 Bronze texture powder coat

NK Nickel texture powder coat

Silver texture powder coat

Silver sparkle aluminum

nate

en reflector [8]

MOUNTING

MOUNTING TYPE [9]

CM__ Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = CM24 [10]

PM__ Pendant mount. Example: 24" pendant = PM24 [11] Power cord mount. Example: 24" cord = PC24 [12]

TwistLock surface mount to octagonal J-box

Wall mount

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 3 for HOUSING FINISH DETAILS.
 Beam angle based on O Trim Type and CS Reflector Finish.
 Trim Type affects beam angle. See page 2 for FIXTURE
 PERFORMANCE DATA.
 See page 3 for REFLECTOR FINISH DETAILS.
- O Trim Type only when specified with L12 lumen package. Not available with 0 Trim Type. W distribution only. Not available with 0 Trim Type. W distribution only.

- O Trim Type only.
 See page 4 for MOUNTING DETAILS.
 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and
- pendant match fixture housing color unless specified otherwise.

 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS



FIXTURE PERFORMANCE DATA

	OPEN REFLECTOR TRIM TYPE			FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE				
	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)
		W	14.8	715	48	749	50	741	50	
_			М	14.8	710	48	757	51	725	49
	3000K	1800K	N	14.8	590	40	764	52	745	50
	3000K 180	IOUUK	W	23.3	1239	53	1297	56	1284	55
12			M	23.3	1243	53	1327	57	1269	54
			N	23.3	941	40	_	_	_	_

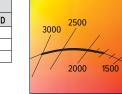
MULTIPLIER TABLES

	REFLECTOR FINISH					
	CATALOG NUMBER	CONVERSION FACTOR				
	CS	1.00				
	SG [1]	0.92				
	GD	0.93				
Σ	CG	0.96				
O TRIM	PW	0.86				
0	SPC	1.02				
	RG	0.88				
	WH [1]	0.89				
	BL [1]	0.47				
100						

	WH	1.00					
	CS [1]	0.98					
Σ	BL [1]	0.79					
R TRIM	BZ [1]	0.76					
~	NK [1]	0.81					
	SV [1]	0.81					
	AL [1]	0.86					

BEAM ANGLE

OPTIONS		TRIM TYPE		
CONVERSION		OPEN	FLUSH	REGRESSED
FACTOR	w	70°	50°	55°
0.85	**			
0.03	M	40°	30°	30°
0.85				
	N	15°	20°	20°
0.67				



- Distribution will also be affected, consult factory.

 Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.

 Wattage shown is based on 120V input.

TRIM OPTIONS

CATALOG NUMBER

AD

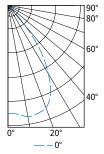
PD

TD

- Results based on 3000K/95CRI 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

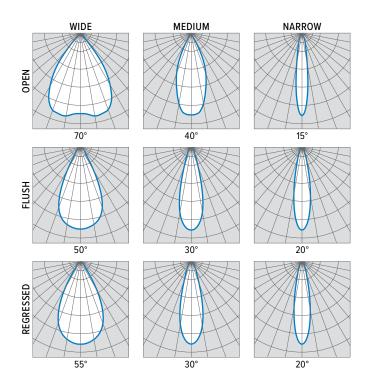
4CR-L12/9DW-DIM-UNV-OW-CS Total Luminaire Output: 1239 lumens; 23.3 Watts | Efficacy: 53.1 lm/W | 95 CRI; 3000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
8	0	1076	
5	5	1086	79
CANDLEPOWER DISTRIBUTION	15	1132	183
S	25	1006	218
2	35	487	122
<u> </u>	45	63	17
Ĭ.	55	17	6
₫	65	6	2
\ <u>8</u>	75	1	0
	85	0	0
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1154	93
SN	0 - 60	1231	99
뿔	0 - 90	1239	100
3	0-180	1239	100

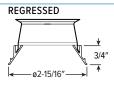




TRIM TYPE DETAILS





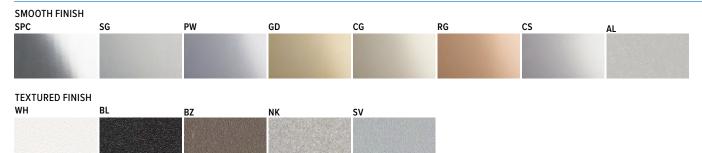


HOUSING FINISH DETAILS



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__)

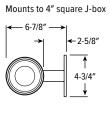


Swivel pendant mount fixtures are provided with:

- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

WALL MOUNT (WM)





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-gauge	Standard /W White /B Black Braided /WH White /BL Black /BR Brass /AE Aegean Blue /SV Silver /GU Gunmetal /NK Nickel /GR Gray		

Standard cord only.

COLOR DETAILS

Additional colors may be available, consult factory.



Ctandard card only