

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Slim profile for unobtrusive illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- 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 20° narrow to 50° wide optics
- Complement the architectural elements of any space with a multitude of housing and trim finishes

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 lens (acrylic downlight, tempered glass uplight).
- 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 – Wall mount. Indoor applications only. Max weight 6-1/4 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: 4CSDI - L12/9DWU/L12/9DWD - WHT - DIM1 - UNV - LW/LM - WH - TRIM OPTIONS - WM MOUNT.

HOUSING

SERIES	LUMEN PACKAGE (Example: L12/9DWU/L7/9DWD)	HOUSING FINISH ⁽¹⁾	CONTROL	VOLTAGE
4CSDI	Specify lumen packages: U for Uplight and D for Downlight	ALUM Silver sparkle aluminum	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V
	LUMENS ⁽²⁾ COLOR U OR D	BLK Textured black		347 347V
	L7 700lm 9DW Dim to warm (95 CRI, 1800K – 3000K) U Uplight D Downlight	BRZ Textured bronze	LUT Lutron Ecosystem enabled	
	L12 1,200lm	NKL Textured nickel		
		SLV Textured silver		
		WHT Textured white		

TRIM

TRIM TYPE AND DISTRIBUTION ⁽³⁾ (Example Uplight/Downlight: LW/LM)

TRIM TYPE	DISTRIBUTION
Uplight	Uplight
L Flush lens ⁽⁷⁾	W 50° Wide
	M 30° Medium
Downlight	Downlight
O Open reflector	W 50° Wide
L Flush lens	M 30° Medium
R Regressed lens	N 20° Narrow ⁽⁸⁾

REFLECTOR FINISH ⁽⁴⁾

Downlight 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

Downlight 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 ⁽⁵⁾
PD Diffuse 1/8" polycarbonate lens ⁽⁶⁾

MOUNTING

MOUNTING TYPE ⁽⁹⁾

WM Wall mount

NOTES

- See page 4 for HOUSING FINISH DETAILS.
- Lumen output based on L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
- Not available with O trim type. Downlight only. W distribution only.
- Not available with O trim type. Downlight only. W distribution only.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- Not available with L12 lumen package
- See page 3 for MOUNTING DETAILS.



4CSDI dim to WARM

4" Direct/Indirect Cylinder – Square

FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	DOWNLIGHT						UPLIGHT			
				WATTAGE	FLUSH LENS		OPEN REFLECTOR		REGRESSED LENS		WATTAGE	FLUSH LENS	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)		DELIVERED LUMENS	EFFICACY (lm/W)
L7	3000K	1800K	W	14.8	729	49	528	36	734	50	14.8	830	56
			M	14.8	731	49	500	34	720	49	14.8	832	56
			N	14.8	708	48	516	35	708	48	–	–	–
L12			W	23.3	1263	54	915	39	1273	55	23.3	1438	62
			M	23.3	1267	54	867	37	1248	54	23.3	1442	62
			N	–	–	–	–	–	–	–	–	–	–

MULTIPLIER TABLES

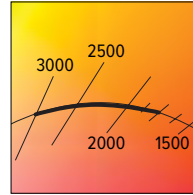
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ⁽¹⁾	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88

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

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

BEAM ANGLE

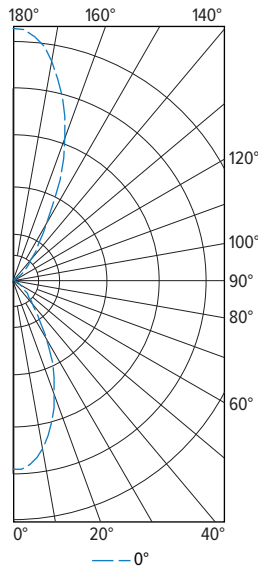
	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°



- 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.
- Results based on 3000K/95CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4CSDI-L12/9DWU/L12/9DWD-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 2005 lumens; 46.6 Watts | Efficacy: 43 lm/W | 95 CRI; 3000K CCT



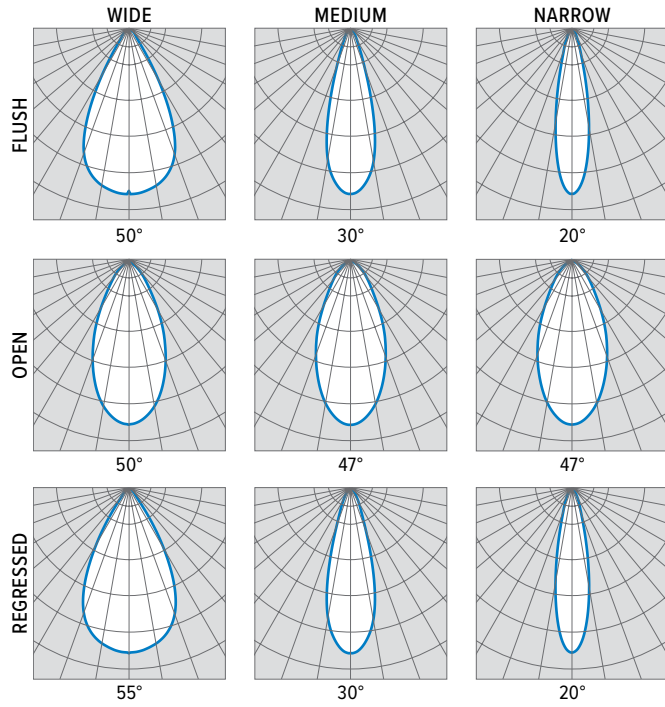
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1153	
	5	1126	104
	15	897	248
	25	560	255
	35	254	167
	45	117	93
	55	42	43
	65	1	6
	75	0	0
	85	0	0
	90	0	
	95	1	2
	105	1	3
	115	3	8
	125	40	44
	135	127	98
	145	269	180
	155	670	301
	165	1151	314
	175	1487	137
	180	1528	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 30	607
	0 - 40	774	39
	0 - 60	910	45
	0 - 90	917	46
	90 - 120	12	1
	90 - 150	334	17
	90 - 180	1087	54
	0 - 180	2005	100



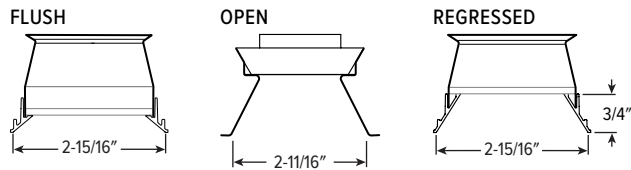
4CSDI dim to WARM

4" Direct/Indirect Cylinder – Square

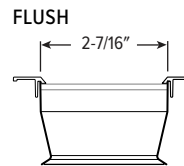


TRIM TYPE DETAILS

DOWNLIGHT

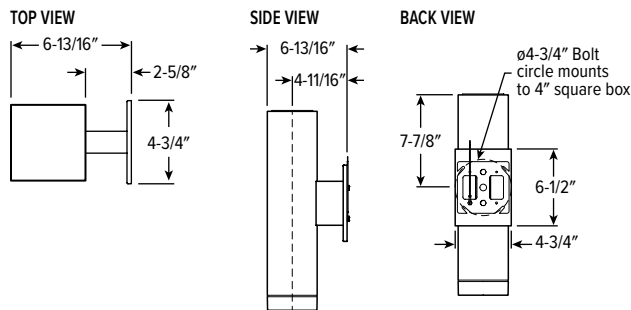


UPLIGHT



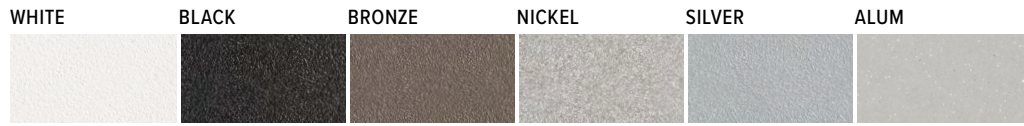
MOUNTING DETAILS

Mounts to 4" square J-box



4CSDI dim to **WARM** 4" Direct/Indirect Cylinder – Square

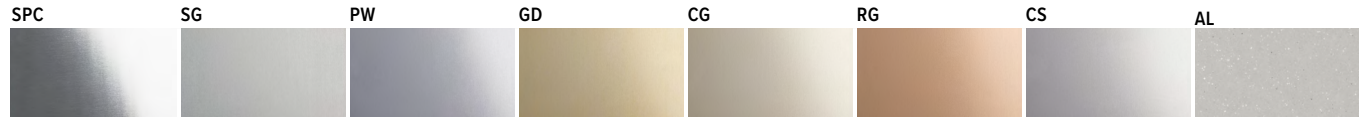
HOUSING FINISH DETAILS



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

SMOOTH FINISH



TEXTURED FINISH

