

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, 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** – 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 <http://www.hew.com/warranty>.

ORDERING EXAMPLE: 4CSDI - L12/9DWU/L12/9DWD - WHT - DIM - UNV - LW/LM - WH - TRIM OPTIONS - WM

HOUSING
TRIM
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	DIM Dimming driver, 0-10V	UNV 120-277V
	LUMENS ⁽²⁾ COLOR U OR D	BLK Textured black	LUT Lutron Ecosystem enabled	347 347V
	L7 700lm 9DW Dim to warm (95 CRI, 1800K – 3000K) U Uplight	BRZ Textured bronze		
	L12 1,200lm D Downlight	NKL Textured nickel		
		SLV Textured silver		
		WHT Textured white		

TRIM

TRIM TYPE AND DISTRIBUTION ⁽³⁾ (Example Uplight/Downlight: LW/LM)	REFLECTOR FINISH ⁽⁴⁾	TRIM OPTIONS
TRIM TYPE	Downlight Open Trim Types	AD Diffuse acrylic lens ⁽⁵⁾
Uplight	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ⁽⁶⁾
L Flush lens ⁽⁷⁾	SG Satin-glow anodize	
	GD Gold anodize	
Downlight	CG Champagne gold anodize	
O Open reflector	PW Pewter anodize	
L Flush lens	SPC Clear specular anodize	
R Regressed lens	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	

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

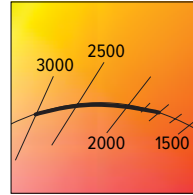
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ⁽¹⁾	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88

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

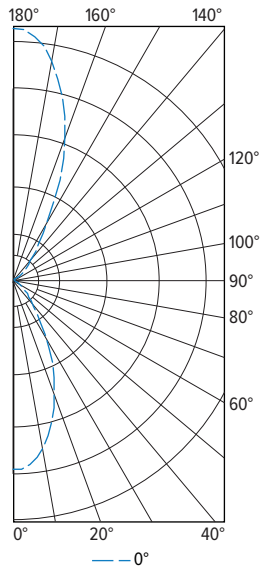
	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°



- 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-UNV-OW/OW-CS-WM Total Luminaire Output: 2005 lumens; 46.6 Watts | Efficacy: 43 lm/W | 95 CRI; 3000K CCT

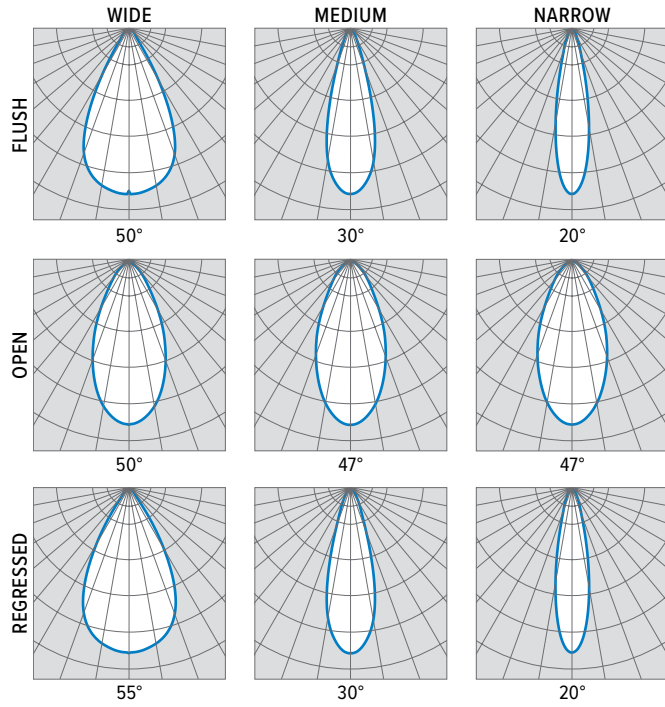


	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1153	
	5	1126	104
	15	897	248
	25	560	255
	35	254	167
	45	117	93
	55	42	43
	65	1	6
	75	0	0
	85	0	0
	90	0	
	95	1	2
	105	1	3
	115	3	8
	125	40	44
	135	127	98
	145	269	180
	155	670	301
	165	1151	314
	175	1487	137
180	1528		

	ZONE	LUMENS	% FIXTURE
	LUMEN SUMMARY	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

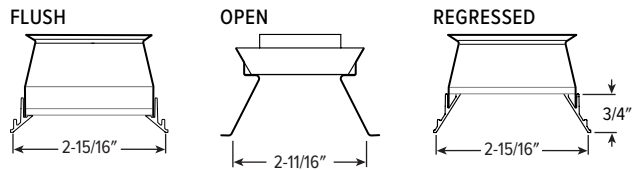


4CSDI dim to **WARM** 4" Direct/Indirect Cylinder – Square

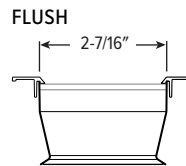


TRIM TYPE DETAILS

DOWNLIGHT

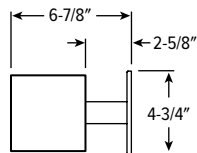


UPLIGHT



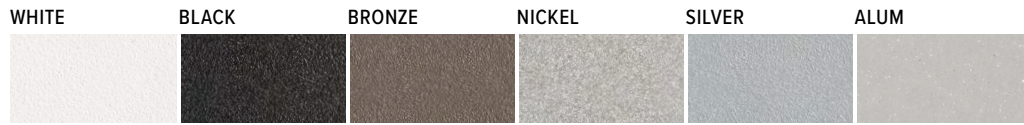
MOUNTING DETAILS

Mounts to 4" square J-box



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

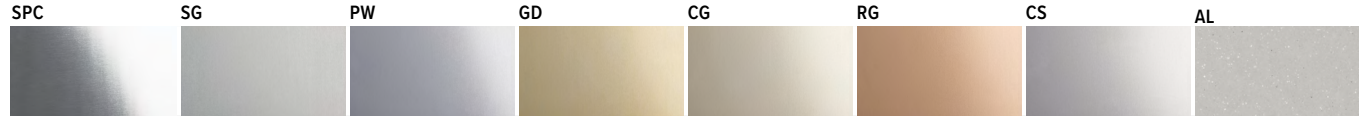
HOUSING FINISH DETAILS



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

