

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Slim profile for unobtrusive illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Parallel the performance and style of the Williams downlight collection
- Precision illumination with 14° narrow spot 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 [hew.com/warranty](http://www.hew.com/warranty).

ORDERING EXAMPLE: 4CSDI - L12/835U/L12/835D - WHT - DIM - UNV - LW/LM - WH - TRIM OPTIONS - WM MOUNT.

HOUSING

SERIES	LUMEN PACKAGE (Example: L12/835U/L9/835D)	HOUSING FINISH ^[1]	CONTROL ^[2]	VOLTAGE
4CSDI	Specify lumen packages: U for Uplight and D for Downlight	ALUM Silver sparkle aluminum	DIM Entire fixture switches and dims together	UNV 120-277V
	LUMENS ^[3] CRI CCT U OR D	BLK Textured black		347 347V
	L9 900lm 8 80 27 2700K U Uplight	BRZ Textured bronze		
	L12 1,200lm 9 90 ^[4] 30 3000K D Downlight	NKL Textured nickel		
	L15 1,500lm 35 3500K	SLV Textured silver		
	L20 2,000lm 40 4000K	WHT Textured white		
	50 5000K			

TRIM

TRIM TYPE AND DISTRIBUTION ^[5]	REFLECTOR FINISH ^[6]	TRIM OPTIONS
(Example Uplight/Downlight: LW/LM)	Downlight Open Trim Types	AD Diffuse acrylic lens ^[7]
TRIM TYPE	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[8]
Uplight	SG Satin-glow anodize	
L Flush lens ^[9]	GD Gold anodize	
	CG Champagne gold anodize	
Downlight	PW Pewter anodize	
O Open reflector	SPC Clear specular anodize	
L Flush lens	RG Rose gold anodize	
R Regressed lens	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 ^[11]

WM Wall mount

NOTES

- See page 4 for HOUSING FINISH DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- Lumen output based on L trim type, W distribution and WH finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- Extended lead times may apply. Consult factory for availability.
- 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 L20 lumen package or 950 CRI/CCT.
- See page 3 for MOUNTING DETAILS.



4CSDI LED 4" Direct/Indirect Cylinder – Square

FIXTURE PERFORMANCE DATA

DIST.	WATTAGE	DOWNLIGHT						UPLIGHT			
		FLUSH LENS		OPEN REFLECTOR		REGRESSED LENS		FLUSH LENS			
		DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	
L9	W	10.5	947	90	686	65	954	91	10.4	1078	104
	M	10.5	950	90	650	62	936	89	10.4	1081	104
	N	10.5	920	88	670	64	920	88	-	-	-
	S	14.1	1085	77	777	55	1089	77	-	-	-
L12	W	14.0	1292	92	936	67	1302	93	13.9	1471	106
	M	14.0	1296	93	886	63	1277	91	13.9	1475	106
	N	14.0	1254	90	914	65	1255	90	-	-	-
	S	20.4	1440	71	1031	51	1445	71	-	-	-
L15	W	17.3	1602	93	1160	67	1614	93	17.2	1824	106
	M	17.3	1607	93	1099	64	1583	92	17.2	1829	106
	N	17.3	1555	90	1133	65	1556	90	-	-	-
	S	26.7	1783	67	1276	48	1789	67	-	-	-
L20	W	23.6	2104	89	1757	74	2119	90	23.4	2395	102
	M	23.6	2110	89	1665	71	2079	88	23.4	2402	103
	N	23.6	2042	87	1717	73	2043	87	-	-	-
	S	-	-	-	-	-	-	-	-	-	-

- 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%.
- 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.

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

	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	

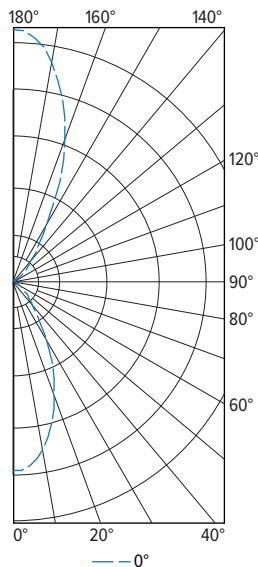
¹ Distribution will also be affected, consult factory.

BEAM ANGLE

	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°
S	14°	43°	14°

PHOTOMETRY

4CSDI-L12/835U/L12/835D-WHT-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 2051 lumens; 28.2 Watts | Efficacy: 73 lm/W | 80 CRI; 3500K CCT



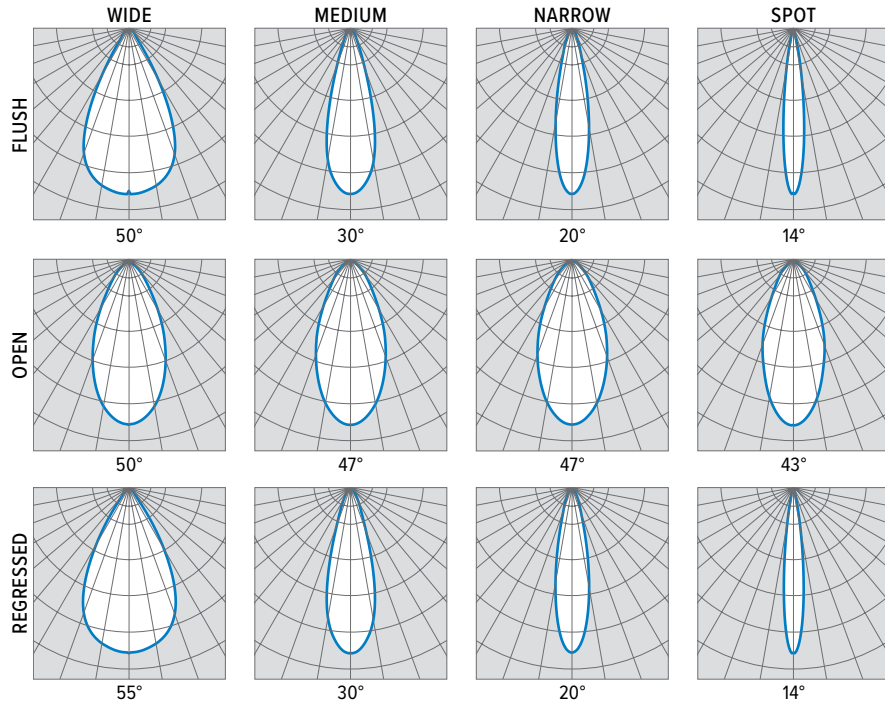
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1179	
	5	1152	106
	15	918	254
	25	572	261
	35	260	170
	45	120	95
	55	43	44
	65	1	6
	75	0	0
	85	0	0
	90	0	
	95	1	2
	105	1	3
	115	3	8
	125	40	45
	135	130	100
	145	275	184
	155	686	308
	165	1178	322
	175	1522	140
	180	1563	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	621	30
	0 - 40	792	39
	0 - 60	931	45
	0 - 90	938	46
	90 - 120	13	1
	90 - 150	342	17
	90 - 180	1113	54
	0 - 180	2051	100



4CSDI LED

4" Direct/Indirect Cylinder – Square

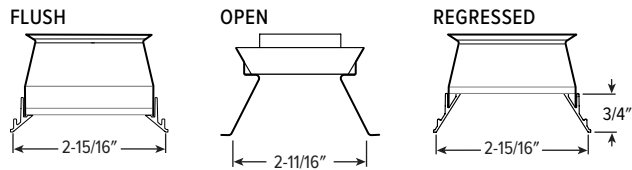


ADDITIONAL CONTROL OPTIONS

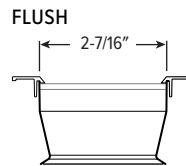
CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications; entire fixture switches and dims together
DIMU/DIMD	Dimming driver prewired for 0-10V low voltage applications; up and down portions switch and dim separately
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM1U/DIM1D	1% dimming driver prewired for 0-10V low voltage applications; up and down portions switch separately
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM LINEU/DIM LINED	Line voltage switching and line voltage dimming; up and down portions switch separately

TRIM TYPE DETAILS

DOWNLIGHT

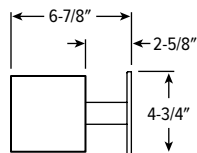


UPLIGHT



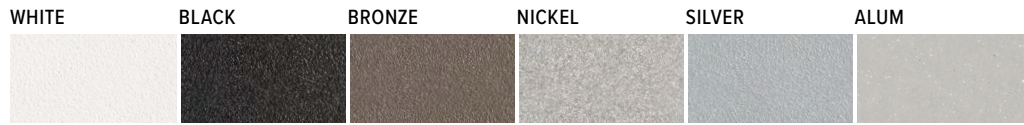
MOUNTING DETAILS

Mounts to 4" square J-box



4CSDI^{LED} 4" Direct/Indirect Cylinder – Square

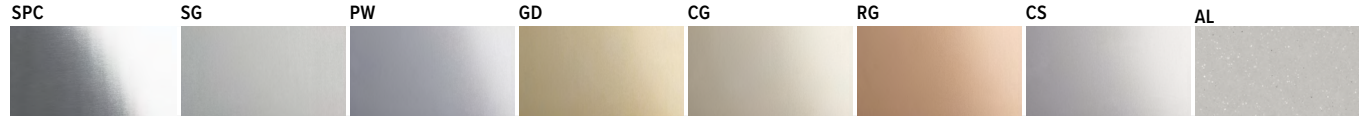
HOUSING FINISH DETAILS



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

