

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

TwistLock™

- Slim profile for unobtrusive illumination
- 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, 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 5-5/8 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: 4CS - L20/835 - WHT - DIM - UNV - LW - WH - TRIM OPTIONS - CM

HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	HOUSING FINISH ^[2]	CONTROL ^[3]	VOLTAGE
4CS	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	BLK Textured black	DIM1 1% Dimming driver, 0-10V	347 347V
	L9 900lm		35 3500K	BRZ Textured bronze		
	L12 1,200lm		40 4000K	NKL Textured nickel		
	L15 1,500lm		50 5000K	SLV Textured silver		
	L20 2,000lm			WHT Textured white		

TRIM

TRIM TYPE	DISTRIBUTION ^[5]	REFLECTOR FINISH ^[6]	TRIM OPTIONS
L Flush lens	W 50° Wide	Open Trim Types	AD Diffuse acrylic lens ^[9]
O Open reflector	M 30° Medium	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[10]
R Regressed lens	N 20° Narrow ^[7]	SG Satin-glow anodize	
	S 14° Narrow spot ^[8]	GD Gold anodize	
		CG Champagne gold anodize	
		PW Pewter anodize	
		SPC Clear specular anodize	
		RG Rose gold anodize	
		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]

- CM__ Adjustable aircraft dual cable mount, 24" length standard. Example: 24" cable = **CM24**^[12]
- PM__ Pendant mount. Example: 24" pendant = **PM24**^[13]
- PC__ Power cord mount. Example: 24" cord = **PC24**^[14]
- SM TwistLock surface mount to octagonal J-box
- WM Wall mount

NOTES

- 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.
- See page 3 for HOUSING FINISH DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- 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.
- See page 3 for REFLECTOR FINISH DETAILS.
- Not available with L25 lumen package.
- Not available with L20 or L25 lumen packages, or 950 CRI/CCT.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution 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

	DISTRIBUTION	FLUSH LENS TRIM TYPE			OPEN REFLECTOR TRIM TYPE			REGRESSED LENS TRIM TYPE		
		DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L5	W	526	6.6	80	381	7.2	53	530	6.5	81
	M	528	6.6	81	361	7.2	50	520	6.6	79
	N	511	6.5	78	372	7.2	52	511	6.5	78
	S	607	7.8	78	435	7.8	56	609	7.8	78
L7	W	739	8.5	87	535	9.3	58	745	8.5	88
	M	742	8.5	87	507	9.3	55	731	8.5	86
	N	718	8.5	84	523	9.3	56	718	8.5	84
	S	848	11.2	76	607	11.2	54	850	11.2	76
L9	W	947	10.5	90	686	11.4	60	954	10.5	91
	M	950	10.5	91	650	11.4	57	936	10.5	89
	N	920	10.5	88	670	11.4	59	920	10.5	88
	S	1085	14.1	77	777	14.1	55	1089	14.1	77
L12	W	1292	14.0	92	936	15.3	61	1302	14.0	93
	M	1296	14.0	93	886	15.3	58	1277	14.0	91
	N	1254	14.0	90	914	15.3	60	1255	14.0	90
	S	1440	20.4	71	1031	20.4	51	1445	20.4	71
L15	W	1602	17.3	92	1160	17.3	67	1614	17.3	93
	M	1607	17.3	93	1099	17.3	64	1583	17.3	91
	N	1555	17.3	90	1133	17.3	65	1556	17.3	90
	S	1783	26.7	67	1276	26.7	48	1789	26.6	67
L20	W	2104	23.4	90	1523	25.6	60	2119	23.4	91
	M	2110	23.4	90	1443	25.6	56	2079	23.4	89
	N	2042	23.4	87	1488	25.6	58	2043	23.4	87
	S	-	-	-	-	-	-	-	-	-
L25	W	2528	29.5	86	2155	32.2	67	2547	29.4	87
	M	2536	29.5	86	1734	32.2	54	2498	29.5	85
	N	-	-	-	-	-	-	-	-	-
	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

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
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

	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	

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
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.

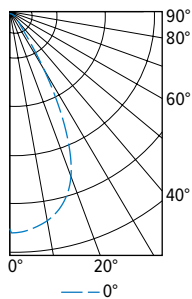
BEAM ANGLE

	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	50°	50°	55°
M	30°	47°	30°
N	20°	47°	20°
S	14°	43°	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 WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish. Actual lumens may vary +/-5%.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4CS-L15/835-DIM-UNV-LW-WH Total Luminaire Output: 1602 lumens; 17.3 Watts | Efficacy: 92.5 lm/W | 80 CRI; 3500K CCT



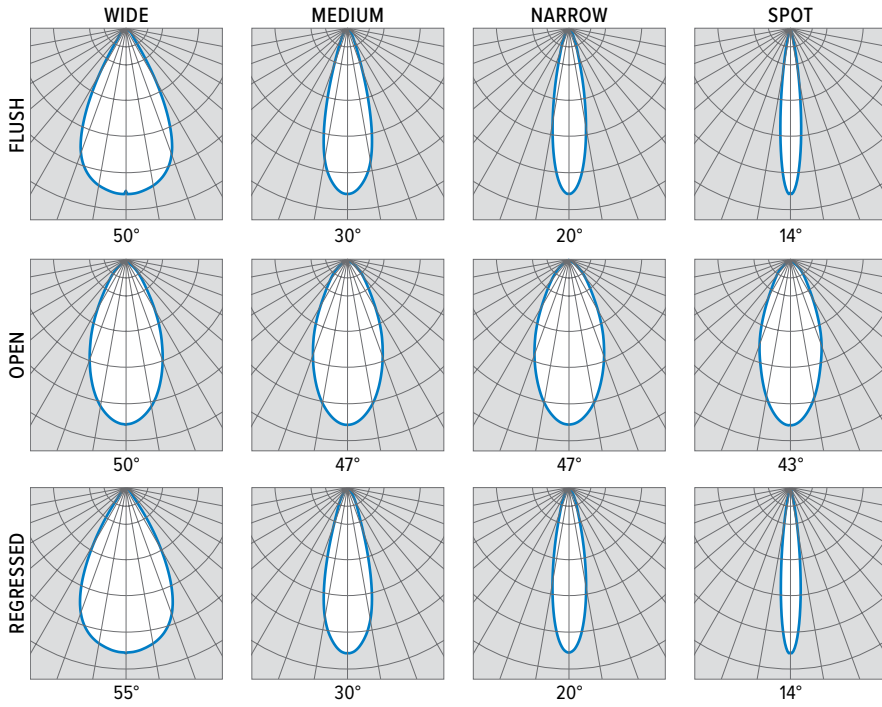
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1852	
	5	1869	129
	15	1690	259
	25	1065	225
	35	269	83
	45	109	43
	55	72	32
	65	46	21
	75	22	9
	85	5	1
90	0		

	LUMEN SUMMARY		
	ZONE	LUMENS	% FIXTURE
0 - 40	1361	85	
0 - 60	1526	95	
0 - 90	1601	100	
0-180	1602	100	



4CS LED

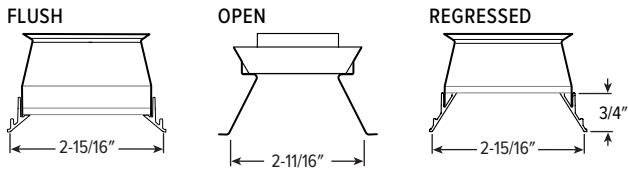
4" Cylinder – Square



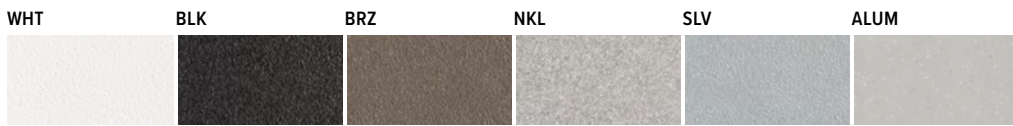
ADDITIONAL CONTROL OPTIONS

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



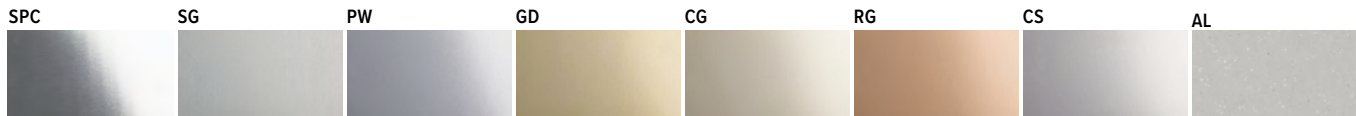
HOUSING FINISH DETAILS



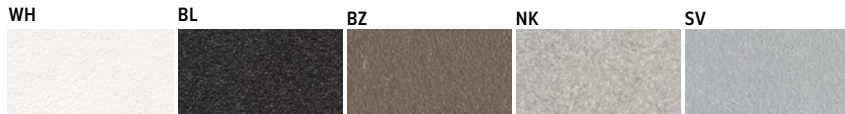
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

REFLECTOR FINISH DETAILS

SMOOTH FINISH



TEXTURED FINISH



4CS LED 4" Cylinder – Square

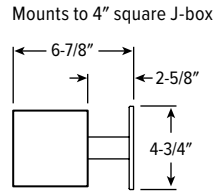
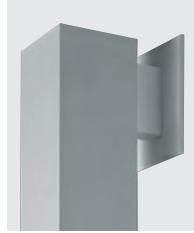
MOUNTING DETAILS

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.
Provided with surface mount adaptor with pigtail

CABLE MOUNT (CM__)



- Dual 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"	3 3	8 18-gauge	Standard
	48 48"	4 4 ⁽¹⁾		/W White
	96 96"	5 5		/B Black
		6 6 ⁽¹⁾		Braided
				/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

¹ Standard cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

