

CATALOG #:			
TYPE:	 	 	
PROJECT:			

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FEATURES

Twist**Lock***

- 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.
- ${\tt LENSED\ TRIM-Die-cast\ aluminum\ frame}$ 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
- WARRANTY 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 4CS - L20/835 - WHT - DIM - UNV - LW - WH - TRIM OPTIONS - CM MOUNT. - HOUSING -

HOUSING

SERIES	LUMENS [1]	CRI	ССТ	HOUSING FINISH [2]	CONTROL[3]	VOLTAGE
4CS	L5 500lm L7 700lm L9 900lm L12 1,200lm L15 1,500lm L20 2,000lm L25 2 500lm	8 80 9 90 ^[4]	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	ALUM Silver sparkle aluminum BLK Textured black BRZ Textured bronze NKL Textured nickel SLV Textured silver WHT Textured white	DIM Dimming driver, 0-10V DIM1 1% Dimming driver, 0-10V	UNV 120-277V 347 347V

L25 2,		WHT Textured white	
TRIM			
TRIM TYPE	DISTRIBUTION [5]	REFLECTOR FINISH [6]	TRIM OPTIONS
L Flush lens O Open reflector R Regressed lens	W 50° Wide M 30° Medium N 20° Narrow ^[7] S 14° Narrow spot ^[8]	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	AD Diffuse acrylic lens [9] PD Diffuse 1/8" polycarbonate lens [10]
		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	

Silver sparkle aluminum

MOUNTING

MOUNTING TYPE [11]

CM__Adjustable aircraft dual cable mount, 24" length standard. Example: 24" cable = CM24 [12]

Pendant mount. Example: 24" pendant = PM24 [13]

Power cord mount. Example: 24" cord = PC24 [14]

TwistLock surface mount to octagonal J-box

WM Wall mount

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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

- 2 TOT FIX TURE 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 0 trim type. W distribution only.

 Not available with 0 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

		FLUSH	LENS TRIM	TYPE	OPEN REF	LECTOR TR	IM TYPE	REGRESSI	ED LENS TR	IM TYPE
	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	526	6.6	80	381	7.2	53	530	6.5	81
2	М	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
	W	739	8.5	87	535	9.3	58	745	8.5	88
2	М	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
	W	947	10.5	90	686	11.4	60	954	10.5	91
6	М	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
	W	1292	14.0	92	936	15.3	61	1302	14.0	93
12	М	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
	W	1602	17.3	92	1160	17.3	67	1614	17.3	93
듄	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
	W	2104	23.4	90	1523	25.6	60	2119	23.4	91
120	М	2110	23.4	90	1443	25.6	56	2079	23.4	89
12	N	2042	23.4	87	1488	25.6	58	2043	23.4	87
	S	_	_	_	_	_	_	_	_	_
	W	2528	29.5	86	2155	32.2	67	2547	29.4	87
125	М	2536	29.5	86	1734	32.2	54	2498	29.5	85
2	N	-	_	_	_	_	_	_	_	-
	S	_	_		_	_	_	_	_	_

MULTIPLIER TABLES

	COLOR TEMPERATURE			
	CCT CONVERSION FACTOR			
	2700K	0.92		
=	3000K	0.98		
80 CRI	3500K	1.00		
Θ	4000K	1.01		
	5000K	1.02		
	2700K	0.76		
=	3000K	0.79		
90 CRI	3500K	0.82		
6	4000K	0.84		
	5000K	0.88		

TRIM OPTIONS			
CATALOG NUMBER	CONVERSION FACTOR		
AD	0.85		
PD	0.85		

	REFLEC	REFLECTOR FINISH				
	CATALOG NUMBER	CONVERSION FACTOR				
	CS	1.00				
	SG [1]	0.92				
Σ	GD	0.93				
O TRIM	CG	0.96				
0	PW	0.86				
	SPC	1.02				
	RG	0.88				
_						
	WH	1.00				
	CS [1]	0.98				
_	BL [1]	0.79				

AL [1] 0.86 Distribution will also be affected, consult factory.

0.76

0.81

0.81

BZ [1]

NK [1]

SV [1]

BEAM ANGLE

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

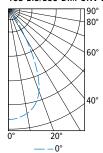
	TRIM TYPE				
	FLUSH OPEN REGRESSED				
W	50°	50°	55°		
М	30°	47°	30°		
N	20°	47°	20°		
S	14°	43°	14°		

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

Results based on 3500K/80CRI and WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish. Actual lumens may vary +/-5%.

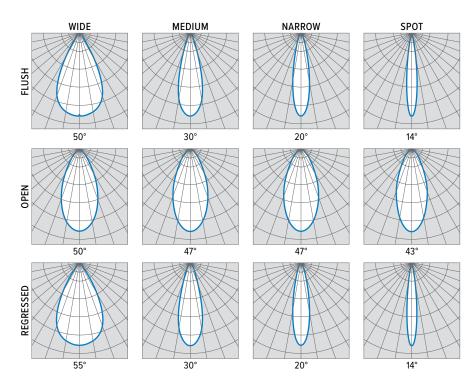
Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature. Wattage shown is based on 120V input.



	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
8	0	1852	
CANDLEPOWER DISTRIBUTION	5	1869	129
₩	15	1690	259
S	25	1065	225
2	35	269	83
<u>N</u>	45	109	43
굨	55	72	32
틸	65	46	21
ই	75	22	9
	85	5	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
3	0 - 40	1361	85
SN	0 - 60	1526	95
뿔	0 - 90	1601	100
3	0-180	1602	100





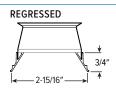
ADDITIONAL CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION	
DIM	Dimming driver prewired for 0-10V low voltage applications	
DIM1	11 1% dimming driver prewired for 0-10V low voltage applications	
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)	

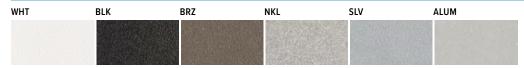
TRIM TYPE DETAILS





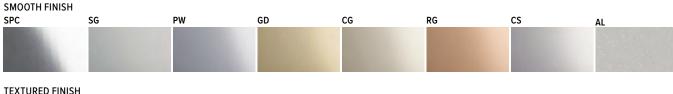


HOUSING FINISH DETAILS



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





4CS LED 4" Cylinder – Square

MOUNTING DETAILS

PENDANT MOUNT (PM__)

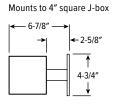


Swivel pendant mount fixtures are provided with:

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

Standard cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

