6CR dim to WARM
6.5" Compact Cylinder – Round

Williams

9-13/16"

ø4-1/2"
ø6-1/2"

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT • Low UGR • TrimLock® • TwistLock™

ORDERING EXAMPLE: 6CR - TL - 10 - L24/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM
|————————————— HOUSING —————————————| |————— TRIM —————| MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	REMOTE	OPTIONS	
6CR - TL TrimLock	**10** 10"	**L8** 800lm **L15** 1,500lm **L24** 2,400lm	**9DW** Dim to warm (95 CRI, 1800K – 3000K)	**RDB** Remote mount control/driver box, galvanized steel [2]	**EM/10WRM/RTS** **F**	Remote mount 10-watt emergency battery with regressed test switch [3] Fuse

HOUSING FINISH [4]	CONTROL	VOLTAGE
ALUM Silver sparkle aluminum **BLK** Textured black **BRZ** Textured bronze **NKL** Textured nickel **SLV** Textured silver **WHT** Textured white	*See page 3 for CONTROL DETAILS.* **DIM1** 1% dimming driver (0-10V signal to control dimming and CCT) **LUT** Lutron Ecosystem enabled	**UNV** 120-277V **347** 347V

TRIM

TRIM TYPE	DISTRIBUTION	REFLECTOR FINISH [5]		TRIM OPTIONS
O Open reflector **F** Open reflector with frosted top diffuser **L** Flush lens **R** Regressed lens	*See page 2 for BEAM ANGLE.* **W** Wide **M** Medium **N** Narrow	**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 **WH** White texture powder coat **BL** Black texture powder coat	**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	**AD** Diffuse acrylic lens [6] **PD** Diffuse 1/8" polycarbonate lens [7]

MOUNTING

MOUNTING TYPE [8]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [9]
PM__ Pendant mount. Example: 24" pendant = **PM24** [10]
PC__ Power cord mount. Example: 24" cord = **PC24** [11]
SM TwistLock surface mount to octagonal J-box
WM Wall mount

NOTES

1. Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. Painted driver box available, specify RDB/BLK or RDB/WHT.
3. Max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
4. See page 4 for HOUSING FINISH DETAILS.
5. See page 4 for REFLECTOR FINISH DETAILS.
6. Not available with O or F Trim Types. W Distribution only.
7. Not available with O or F Trim Types. W Distribution only.
8. See page 5 for MOUNTING DETAILS.
9. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.
10. Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
11. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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Cylinders
Page 1 of 5

FEATURES

▪ Engineered to deliver great performance in a sleek, space-saving design
▪ Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
▪ Parallel the performance and style of the Williams downlight collection
▪ Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°
▪ Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
▪ Comprehensive list of mounting options – pendant, cable, power cord, wall and ceiling
▪ Ensure a simple and secure installation with TwistLock™ surface mount technology
▪ Low UGR meets LEED and WELL requirements
▪ Made Right Here® in the USA

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.
▪ TRIMLOCK – Innovative TrimLock® reflector retention system ensures trim remains secure.
▪ OPEN REFLECTOR – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
▪ LENSED TRIM – Die-cast aluminum frame with micro-prismatic, acrylic 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>55,000 hours. Estimated L70 = 200,000 hours.
▪ MOUNTING – Surface, cable, pendant, power cord, or wall mount. Indoor applications only. Control, driver, and EM battery installed in remote mount box.
▪ LISTINGS –
  ▪ cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
  ▪ Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american.
▪ WARRANTY – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	FLUSH LENS EFFICACY (lm/W)	REGRESSED LENS DELIVERED LUMENS	REGRESSED LENS EFFICACY (lm/W)
L8	3000K	1800K	W	14.0	862	61.6	670	47.9	678	48.4
L8			M	14.0	830	59.3	760	54.3	763	54.5
L8			N	14.0	800	57.1	765	54.7	769	54.9
L15			W	23.4	1511	64.6	1175	50.3	1188	50.8
L15			M	23.4	1455	62.3	1333	57.0	1337	57.2
L15			N	23.4	1402	60.0	1242	57.4	1348	57.7
L24			W	37.7	2228	59.1	1925	51.1	1945	51.6
L24			M	37.7	2226	59.0	1995	52.9	1997	52.9
L24			N	37.7	2228	59.1	2197	58.3	2208	58.6

▪ Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
▪ To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
▪ Use multiplier tables to calculate additional options.
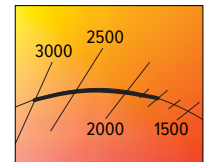
BEAM ANGLE

	TRIM TYPE [2]			
	O	F	L	R
W	65°	60°	50°	50°
M	45°	50°	35°	30°
N	10°	25°	25°	25°

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
	WH [1]	0.89
	BL [1]	0.47
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
F	0.75
AD	0.85
PD	0.85

[1] Distribution will also be affected, consult factory.
[2] Beam angle based on CS or WH Reflector Finish.

PHOTOMETRY

6CR-TL-10-L24/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1 lm/W | 95.0 CRI; 3000K CCT
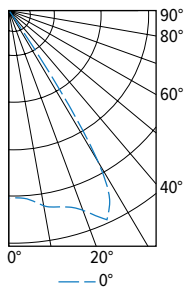
	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
CANDLEPOWER DISTRIBUTION	0	2011	
	5	2071	198
	15	2178	617
	25	2479	1147
	35	341	215
	45	49	38
	55	12	11
	65	1	1
	75	0	0
	85	0	0
	90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	2176	98
	0 - 60	2226	100
	0 - 90	2228	100
	0-180	2228	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

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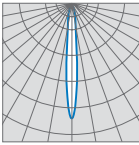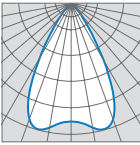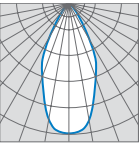Cylinders
Page 2 of 5
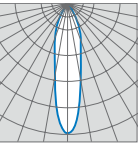
OPEN (O)
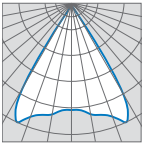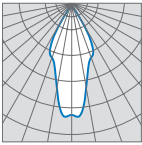
65° Wide
45° Medium
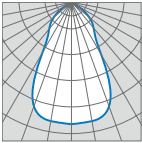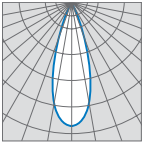10° Narrow

OPEN TOP DIFFUSER (F)
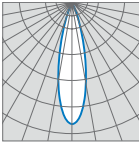
60° Wide
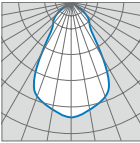50° Medium
25° Narrow

FLUSH (L)

50° Wide
35° Medium
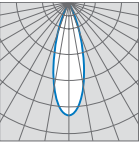25° Narrow

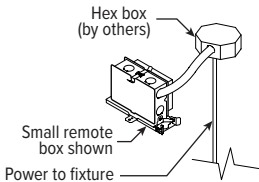**REGRESSED (R)**
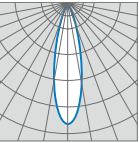
50° Wide
30° Medium
25° Narrow

CONTROL DETAILS

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L8	L15	L24	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R|S	R|S	R|M	R|L
LUT	Lutron Ecosystem enabled	R|M	R|M	R|M	R|L

REMOTE MOUNT KEY	
R|S	RDB Required, Small Box
R|M	RDB Required, Medium Box
R|L	RDB Required, Large Box

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension length, connection by others. Must be room-side accessible for maintenance.

Hex box (by others)
Small remote box shown
Power to fixture

SMALL
Snap-in junction box
6-1/2" x 3" x 4-1/2"
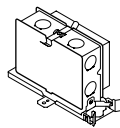
MEDIUM
3-1/2" x 24" x 2"
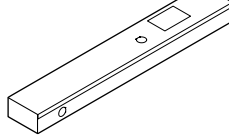
LARGE
9" x 24" x 2"

EMERGENCY BATTERY DETAILS

Max remote distance is 50' including suspension length, connection by others.
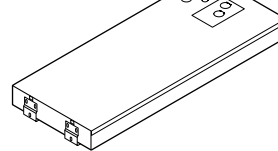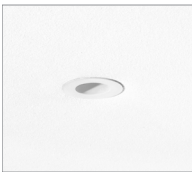
Regressed test switch
ø1-3/4"

Large remote box 9" x 24" x 2"
Hex box (by others)
Regressed test switch
Power to fixture
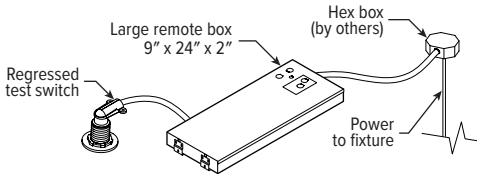
TRIMLOCK DETAILS

TWIST
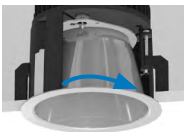
PULL

RELEASE

TRIM TYPE DETAILS

OPEN
ø4-1/2"

OPEN TOP DIFFUSER
ø4-1/2"

FLUSH
ø4-1/4"

REGRESSED
1-1/4"
ø4-3/8"

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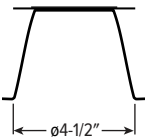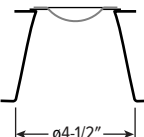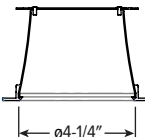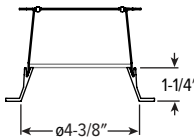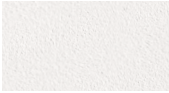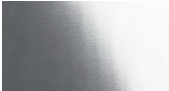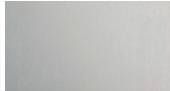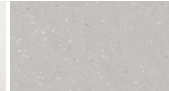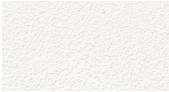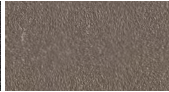
6CR dim to WARM
6.5" Compact Cylinder – Round

HOUSING FINISH DETAILS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM

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

SPC	SG	PW	GD	CG	RG	CS	AL

Textured Finish

WH	BL	BZ	NK	SV

SEE NEXT PAGE FOR MOUNTING DETAILS.

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Cylinders
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6CR dim to WARM
6.5" Compact Cylinder – Round

MOUNTING DETAILS

PENDANT MOUNT (PM__)

Provided with:
- 38° Swivel canopy
- 3/8" IPS Threaded stem
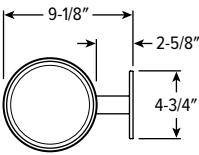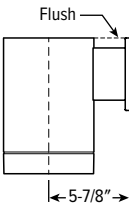- Specify length of stem, 6" minimum, 24" default length
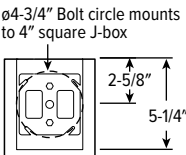
WALL MOUNT (WM)

TOP VIEW

9-1/8"
2-5/8"
4-3/4"

SIDE VIEW

Flush
5-7/8"

BACK VIEW

ø4-3/4" Bolt circle mounts to 4" square J-box

2-5/8"
5-1/4"

SURFACE MOUNT (SM)

TwistLock™

Simple lift-and-twist mounting secures fixture to J-box.

CABLE MOUNT (CM__)

Provided with:
- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
- 18-gauge cord, 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)

Provided with:
- 18-gauge cord, 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 **5** 5 **6** 6	**8** 18-gauge	**Standard** **/W** White **/B** Black **Braided** [1] **/WH** White **/BL** Black **/BR** Brass **/AE** Aegean Blue **/RE** Red **/SV** Silver **/GU** Gunmetal **/NK** Nickel **/GR** Gray

1 (5) conductors cord only.

COLOR DETAILS
Additional colors may be available, consult factory.

White   Black   Brass   Aegean Blue   Red

Silver   Gunmetal   Nickel   Gray

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Cylinders
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