6CR tunable WHITE
6.5" Cylinder – Round

Williams

16-1/16"

ø4-1/2"
ø6-1/2"

CATALOG #: _____

TYPE: _____

PROJECT: _____

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

ORDERING EXAMPLE: 6CR - TL - 16 - L13/8TW - OPTIONS - WHT - CONTROL/DIM - UNV - OW - CS - TRIM OPTIONS - CM

— HOUSING — | — TRIM — | MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	OPTIONS		HOUSING FINISH [2]	
6CR - TL TrimLock	16 16"	L13 1,300lm L22 2,200lm L40 4,000lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/10WRM/RTS RDB	Remote mount 10-watt emergency battery with regressed test switch [3] Remote mount control/driver box, galvanized steel [4]	ALUM BLK BRZ NKL SLV WHT	Silver sparkle aluminum Textured black Textured bronze Textured nickel Textured silver Textured white

CONTROL

See page 3 for CONTROL/DRIVER DETAILS.

– None
AWNR Lutron Athena wireless node integral fixture control, RF only [5]

DRIVER

See page 3 for CONTROL/DRIVER DETAILS.

DALI Driver prewired for DALI applications
DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
DMX Driver prewired for DMX applications [6]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

UNV 120-277V

TRIM

TRIM TYPE

O Open reflector
F Open reflector with frosted top diffuser
L Flush lens [8]
R Regressed lens [9]

DISTRIBUTION

See page 2 for BEAM ANGLE.

W Wide
M Medium
N Narrow

REFLECTOR FINISH [7]

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

TRIM OPTIONS

AD Diffuse acrylic lens [10]
PD Diffuse 1/8" polycarbonate lens [11]

MOUNTING

MOUNTING TYPE [12]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [13]
PM__ Pendant mount. Example: 24" pendant = **PM24** [14]
PC__ Power cord mount. Example: 24" cord = **PC24** [15]
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, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2 See page 4 for HOUSING FINISH DETAILS.
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 Painted driver box available, specify RDB/BLK or RDB/WHT.
5 LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
6 Installed in medium remote box, must specify RDB Option.
7 See page 4 for REFLECTOR FINISH DETAILS.
8 Not available with L40 Lumen Package.
9 Not available with L40 Lumen Package.
10 Not available with O or F Trim Types. W Distribution only.
11 Not available with O or F Trim Types. W Distribution only.
12 See page 5 for MOUNTING DETAILS.
13 Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.
14 Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
15 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
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6CR tunable WHITE
6.5" Cylinder – Round

FEATURES

- Wide range of lumen options for general illumination
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available
- 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 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Surface, cable, pendant, power cord, or wall mount. Indoor applications only. Max weight 9-1/2 lbs.
- 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

	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE DELIVERED LUMENS	OPEN REFLECTOR TRIM TYPE EFFICACY (lm/W)	FLUSH LENS TRIM TYPE DELIVERED LUMENS	FLUSH LENS TRIM TYPE EFFICACY (lm/W)	REGRESSED LENS TRIM TYPE DELIVERED LUMENS	REGRESSED LENS TRIM TYPE EFFICACY (lm/W)
L13	W	14.6	1283	87.9	1029	70.7	1040	71.4
L13	M	14.6	1281	87.7	1148	78.6	1149	78.7
L13	N	14.6	1283	87.9	1175	80.7	1181	81.1
L22	W	24.0	2289	95.2	1781	74.0	1799	74.8
L22	M	24.0	2198	91.4	2020	84.0	2026	84.3
L22	N	24.0	2097	87.2	2033	84.5	2043	84.9
L40	W	44.9	4028	89.7	–	–	–	–
L40	M	44.9	3905	87.0	–	–	–	–
L40	N	44.9	3738	83.3	–	–	–	–

MULTIPLIER TABLES

COLOR TEMPERATURE

CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85

REFLECTOR FINISH

	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
O TRIM	SG [1]	0.92
O TRIM	GD	0.93
O TRIM	CG	0.96
O TRIM	PW	0.86
O TRIM	SPC	1.02
O TRIM	RG	0.88
O TRIM	WH [1]	0.89
O TRIM	BL [1]	0.47
R TRIM	WH	1.00
R TRIM	CS [1]	0.98
R TRIM	BL [1]	0.79
R TRIM	BZ [1]	0.76
R TRIM	NK [1]	0.81
R TRIM	SV [1]	0.81
R TRIM	AL [1]	0.86

- 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, 80 CRI/4000K 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.
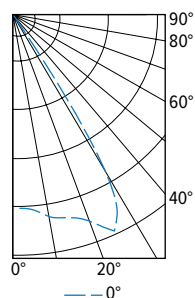- Use multiplier tables to calculate additional options.
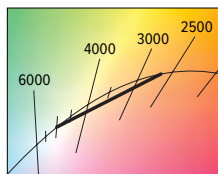
BEAM ANGLE

TRIM TYPE [2]

	O	F	L	R
W	65°	60°	50°	50°
M	45°	50°	35°	30°
N	10°	25°	25°	25°

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

PHOTOMETRY

6CR-TL-16-L13/8TW-DIM-UNV-OW-CS Total Luminaire Output: 1283 lumens; 14.6 Watts | Efficacy: 87.9 lm/W | 80.0 CRI; 4000K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1158	
5	1193	114
15	1254	356
25	1428	660
35	196	124
45	28	22
55	7	6
65	1	1
75	0	0
85	0	0
90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	1254	98
LUMEN SUMMARY	0 - 60	1283	100
LUMEN SUMMARY	0 - 90	1283	100
LUMEN SUMMARY	0-180	1283	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

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Cylinders
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6CR tunable WHITE
6.5" Cylinder – Round

OPEN (O)
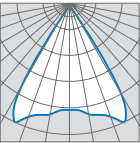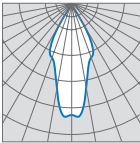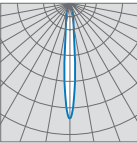
65° Wide	45° Medium	10° Narrow

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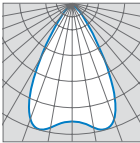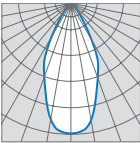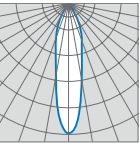
60° Wide	50° Medium	25° Narrow

FLUSH (L)
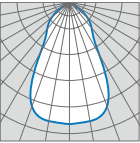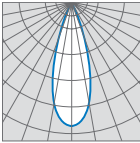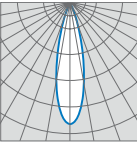
50° Wide	35° Medium	25° Narrow

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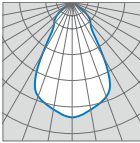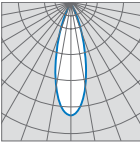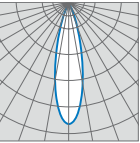
50° Wide	30° Medium	25° Narrow

CONTROL/DRIVER DETAILS

| CONTROL/ DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L13	L22	L40	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	O I M	O I M	O I M	R I L
DMX	Driver prewired for DMX applications	R I M	R I M	R I M	R I L
DALI	DALI dimming driver	O I M	O I M	O I M	R I L
LD2	Lutron DALI-2 digital driver, 1%	O I M	O I M	O I M	R I L
AWNR/LD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	O I M	O I M	O I M	R I L

REMOTE MOUNT DETAILS

Max remote distance is 50' including suspension length, connection by others. Must be room-side accessible for maintenance.
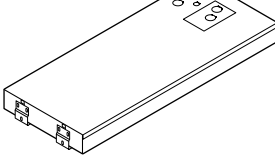
Hex box (by others)
Medium remote box shown
Power to fixture
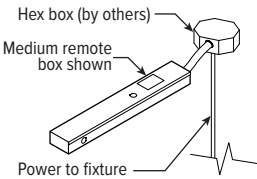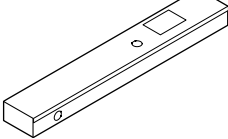
MEDIUM
3-1/2" x 24" x 2"

LARGE
9" x 24" x 2"

REMOTE MOUNT KEY	
O I M	RDB Optional, Medium Box
R I M	RDB Required, Medium Box
R I L	RDB Required, Large Box

DIM
DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI
DALI +
DALI -
Fixture 1

DMX
RJ45 Ports (IN/OUT)
Fixture (Master)

LD2
DA +
DA -
Fixture 1

EMERGENCY BATTERY DETAILS

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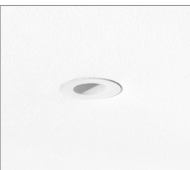
Regressed test switch
ø1-3/4"

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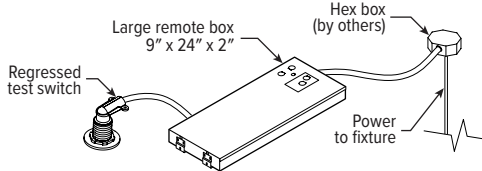
TRIMLOCK DETAILS

TWIST

PULL

RELEASE

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6.5" Cylinder – Round

TRIM TYPE DETAILS

OPEN	OPEN TOP DIFFUSER	FLUSH	REGRESSED
ø4-1/2"	ø4-1/2"	ø4-1/4"	ø4-3/8" 1-1/4"

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
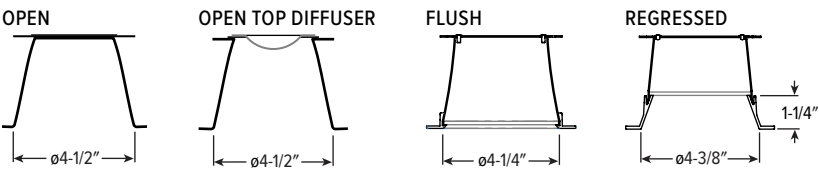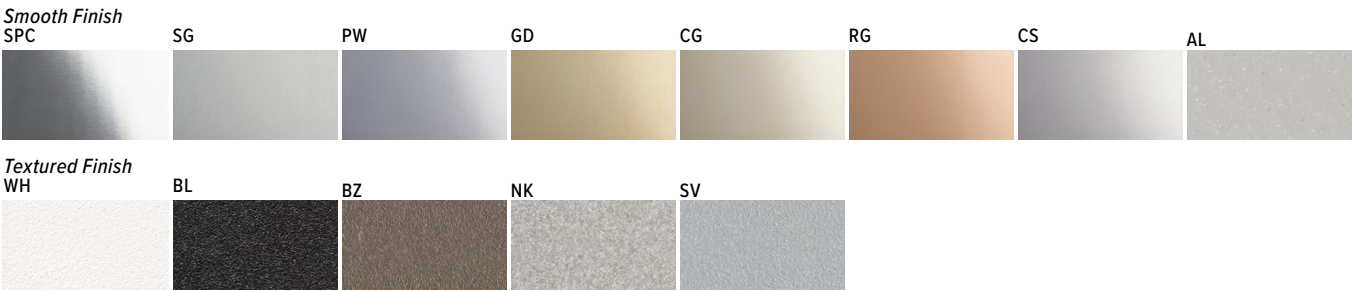
SEE NEXT PAGE FOR MOUNTING DETAILS.

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6CR tunable WHITE
6.5" Cylinder – Round
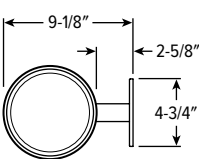
MOUNTING DETAILS

PENDANT MOUNT (PM__)

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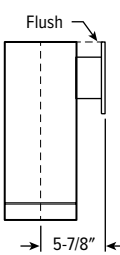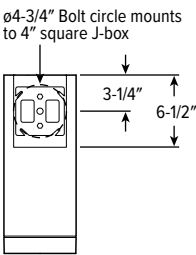- Specify length of stem, 6" minimum, 24" default length

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

3-1/4"
6-1/2"

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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