6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round

Williams

22-7/8"

ø2-1/2"

ø4-1/2"

ø4-1/2"

ø6-1/2"

Cable Mount   Wall Mount

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT · Low UGR · TrimLock®

ORDERING EXAMPLE: 6CRDI - TL - 23 - L22/8TWU/L22/8TWD - OPTIONS - WHT - CONTROL/DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM

———————— HOUSING ————————   ——— TRIM ———   MOUNT.

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD)
6CRDI - TL TrimLock	**23** 23"	Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [4]
L13 1,300lm
L22 2,200lm

COLOR
8TW Tunable white (80 CRI, 2700K-5000K) [5]

U OR D
U Uplight
D Downlight

OPTIONS

EM/10WRM/RTS Remote mount 10-watt emergency battery with regressed test switch [2]

RDB Remote mount control/driver box, galvanized steel [3]

HOUSING FINISH [1]

ALUM Silver sparkle aluminum
BLK Textured black
BRZ Textured bronze
NKL Textured nickel
SLV Textured silver
WHT Textured white

CONTROL

See page 4 for CONTROL/DRIVER DETAILS.

– None
AWNR Lutron Athena wireless node integral fixture control, RF only [6]

DRIVER

See page 4 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 [7]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

UNV 120-277V

TRIM

TRIM TYPE AND DISTRIBUTION

(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
O Open reflector with clear glass shield [11]
L Flush lens [12]

Downlight
O Open reflector
F Open reflector with frosted top diffuser
L Flush lens
R Regressed lens

DISTRIBUTION

See page 2 for BEAM ANGLE.

Uplight
W Wide
M Medium [13]
N Narrow [14]

Downlight
W Wide
M Medium
N Narrow

REFLECTOR FINISH [8]

Downlight 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

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

TRIM OPTIONS

AD Diffuse acrylic lens [9]
PD Diffuse 1/8" polycarbonate lens [10]

MOUNTING

MOUNTING TYPE [15]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [16]
WM Wall mount

NOTES

1   See page 4 for HOUSING FINISH DETAILS.
2   Max remote distance 50', including suspension length. Large remote box provided. EM light defaults to downlight output. Specify CEC in the option code when California Energy Commission regulations are required. See page 4 for EMERGENCY BATTERY DETAILS.
3   Painted driver box available, specify RDB/BLK or RDB/WHT.
4   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
5   90 CRI when specified with uplight CM Mounting Type.
6   LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
7   Installed in remote box, must specify RDB Option.
8   Specified for downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
9   Not available with O or F Trim Types. Downlight only. W Distribution only.
10 Not available with O or F Trim Types. Downlight only. W Distribution only.
11 CS Reflector Finish standard. Other colors available, consult factory.
12 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
13 O Trim Type only when specified with WM Mounting Type.
14 O Trim Type only.
15 See page 5 for MOUNTING DETAILS.
16 Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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Cylinders
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6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round

FEATURES

- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- 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
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Variety of cord colors available in standard or braided for custom design
- 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 lens (acrylic downlight, tempered glass uplight).
- 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 – Cable or wall mount. Indoor applications only. Max weight 14-1/2 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

	DIST.	WATTAGE	DOWNLIGHT 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)	WATTAGE	UPLIGHT WALL MOUNT OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	WATTAGE	UPLIGHT CABLE MOUNT OPEN REFLECTOR DELIVERED LUMENS	OPEN REFLECTOR EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	FLUSH LENS EFFICACY (lm/W)
L13	W	14.6	1283	88	1029	70	1040	71	14.6	1088	75	18.3	868	47	1165	64
L13	M	14.6	1281	88	1148	79	1149	79	14.6	1086	74	18.3	876	48	1199	66
L13	N	14.6	1283	88	1175	80	1181	81	14.6	1088	75	18.3	671	37	–	–
L22	W	24.0	2289	95	1781	74	1799	75	24.0	1941	81	22.5	1068	47	1433	64
L22	M	24.0	2198	92	2020	84	2026	84	24.0	1863	78	22.5	1078	48	1473	65
L22	N	24.0	2097	87	2033	85	2043	85	24.0	1778	74	22.5	825	37	–	–

MULTIPLIER TABLES

COLOR TEMPERATURE

	CCT	LUMENS DOWNLIGHT	UPLIGHT WALL	UPLIGHT CABLE
80 CRI	2700K	0.83	0.83	–
80 CRI	3000K	1.00	1.00	–
80 CRI	3500K	0.99	0.99	–
80 CRI	4000K	1.00	1.00	–
80 CRI	5000K	0.98	0.98	–
90 CRI	2700K	–	–	0.87
90 CRI	3000K	–	–	0.96
90 CRI	3500K	–	–	1.02
90 CRI	4000K	–	–	1.00
90 CRI	5000K	–	–	1.02

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

BEAM ANGLE

TRIM TYPE [2]							
	DOWNLIGHT				WM UPLIGHT	CM UPLIGHT	
	O	F	L	R	O	O	L
W	65°	60°	50°	50°	65°	70°	50°
M	45°	50°	35°	30°	45°	40°	30°
N	10°	25°	25°	25°	10°	15°	20°

1 Distribution will also be affected, consult factory.
2 Beam angle based on CS or WH Reflector Finish.
- Photometrics tested in accordance with IESNA LM-79. Results based on WH (L and R Trim Types) or CS (O Trim Type) Reflector Finish, W Distribution, 80 CRI/4000K CCT (90 CRI with uplight CM), average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

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Cylinders
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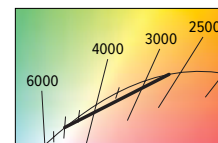
6CRDI tunable WHITE
6.5" Direct/Indirect Cylinder – Round

PHOTOMETRY

6CRDI-TL-23-L22/8TWU/L22/8TWD-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 4348 lumens; 48 Watts | Efficacy: 91 lm/W | 80 CRI; 4000K CCT
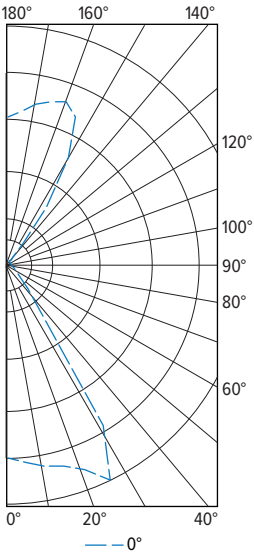

CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2067	
5	2129	205
15	2238	640
25	2548	1087
35	351	415
45	50	42
55	13	13
65	1	2
75	0	0
85	0	1
90	4	
95	4	5
105	6	7
115	10	10
125	21	20
135	66	71
145	693	437
155	1681	745
165	1744	495
175	1585	155
180	1520	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1932	44
0 - 40	2347	54
0 - 60	2401	55
0 - 90	2404	55
90 - 120	21	1
90 - 150	549	13
90 - 180	1944	45
0 - 180	4348	100

DOWNLIGHT

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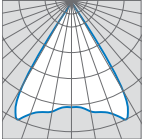
65° Wide
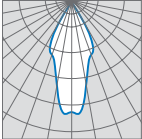
45° Medium
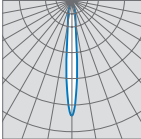
10° Narrow

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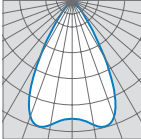
60° Wide
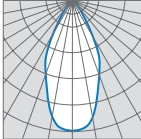
50° Medium
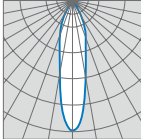
25° Narrow

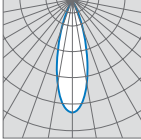*FLUSH (L)*
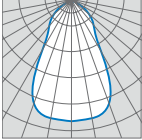
50° Wide
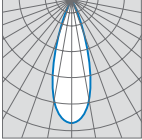
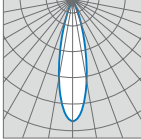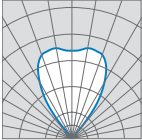35° Medium
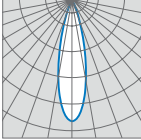
25° Narrow

REGRESSED (R)
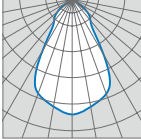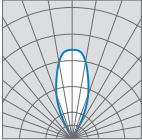

50° Wide

30° Medium

25° Narrow

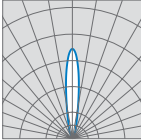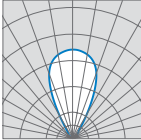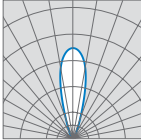### UPLIGHT CABLE MOUNT
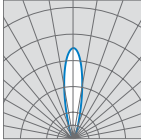
OPEN (O)

70° Wide

40° Medium

15° Narrow

FLUSH (L)

50° Wide

30° Medium

20° Narrow

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

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Cylinders
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TRIM TYPE DETAILS

DOWNLIGHT

OPEN
ø4-1/2"

OPEN TOP DIFFUSER
ø4-1/2"

FLUSH
ø4-1/4"

REGRESSED
ø4-3/8"
1-1/4"

UPLIGHT WALL MOUNT

OPEN
ø4-1/2"

UPLIGHT CABLE MOUNT
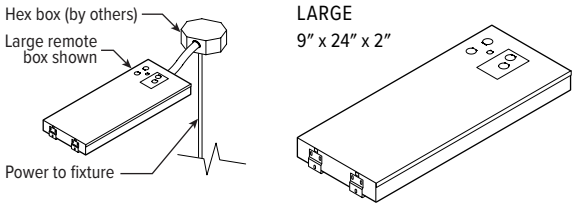
OPEN
ø2-1/2"

FLUSH
ø2-7/16"
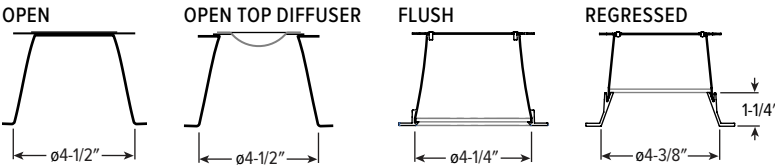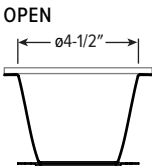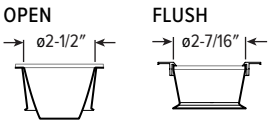
CONTROL/DRIVER DETAILS

If using two different stops for U/D, see highest lumen stop for RDB.

CONTROL/DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		L13	L22	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 L	O I L	R I L
DMX	Driver prewired for DMX applications	R I L	R I L	R I L
DALI	DALI dimming driver	O I L	O I L	R I L
LD2	Lutron DALI-2 digital driver, 1%	O I L	O I L	R I L
AWNR/LD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	O I L	O I L	R I L

REMOTE MOUNT DETAILS

Max remote distance is 50′, connection by others. Must be room-side accessible for maintenance.

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

LARGE
9" x 24" x 2"

REMOTE MOUNT KEY	
R I L	RDB Required, Large Box
O I L	RDB Optional, 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"
Regressed test switch
Hex box (by others)
Power to fixture

HOUSING FINISH DETAILS

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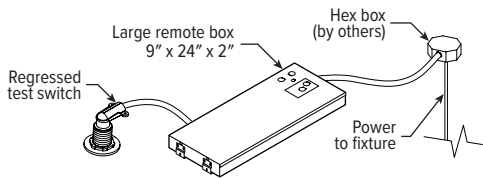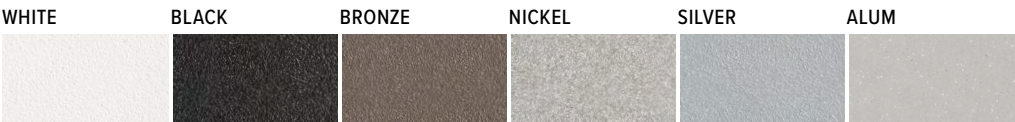
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

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6CRDI tunable WHITE
6.5″ Direct/Indirect Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish

SPC	SG	PW	GD	CG	RG	CS	AL

Textured Finish

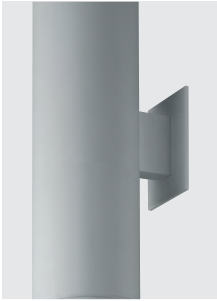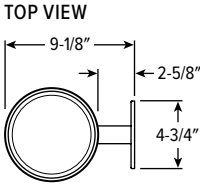| WH	BL	BZ	NK	SV

MOUNTING DETAILS

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
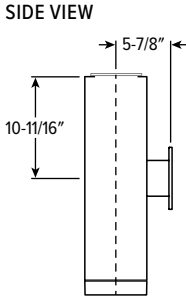- T-bar clip with 1/4-20 stud
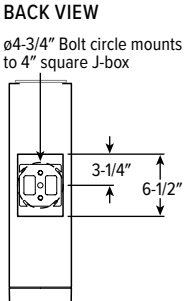- Hard ceiling anchor provided by others

WALL MOUNT (WM)

TOP VIEW
9-1/8″
2-5/8″
4-3/4″

SIDE VIEW
5-7/8″
10-11/16″

BACK VIEW
ø4-3/4″ Bolt circle mounts to 4″ square J-box
3-1/4″
6-1/2″

CORD OPTIONS

Must specify cord when cable 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