6CRDI dim to WARM
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 - L24/9DWU/L24/9DWD - OPTIONS - WHT - DIM1 - UNV - LW/LM - CS - TRIM OPTIONS - CM

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

HOUSING

SERIES	HEIGHT	LUMEN PACKAGE (Example: L24/9DWU/L15/9DWD)	OPTIONS		HOUSING FINISH [1]

SERIES
6CRDI - TL
TrimLock

HEIGHT
23 23"

LUMEN PACKAGE (Example: L24/9DWU/L15/9DWD)
Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [4]
L8 800lm
L15 1,500lm
L24 2,400lm

COLOR
9DW Dim to warm (95 CRI, 1800K – 3000K)

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 DETAILS.

DIM1 1% dimming driver (0-10V signal to control dimming and CCT)
LUT Lutron Ecosystem enabled

VOLTAGE

UNV 120-277V
347 347V

TRIM

TRIM TYPE AND DISTRIBUTION
(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
O Open reflector with clear glass shield [8]
L Flush lens [9]

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 [10]
N Narrow [11]

Downlight
W Wide
M Medium
N Narrow

REFLECTOR FINISH [5]

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 [6]
PD Diffuse 1/8" polycarbonate lens [7]

MOUNTING

MOUNTING TYPE [12]

CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [13]
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, 95CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
[5] Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
[6] Not available with O or F Trim Types. Downlight only. W Distribution only.

[7] Not available with O or F Trim Types. Downlight only. W Distribution only.
[8] CS Reflector Finish standard. Other colors available, consult factory.
[9] Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
[10] O Trim Type only when specified with WM Mounting Type.
[11] O Trim Type only.
[12] See page 5 for MOUNTING DETAILS.
[13] L15 lumen package max for uplight. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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Cylinders
Page 1 of 5

6CRDI dim to WARM
6.5" Direct/Indirect Cylinder – Round

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- 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
- 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 lens (acrylic downlight, tempered glass uplight).
- 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 – 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	EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	EFFICACY (lm/W)	REGRESSED LENS DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	UPLIGHT WALL MOUNT OPEN REFLECTOR DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	UPLIGHT CABLE MOUNT OPEN REFLECTOR DELIVERED LUMENS	EFFICACY (lm/W)	FLUSH LENS DELIVERED LUMENS	EFFICACY (lm/W)
L8	W	14.0	862	62	670	48	678	48	14.0	731	52	14.8	585	40	785	53
L8	M	14.0	830	59	760	54	763	55	14.0	704	50	14.8	581	39	793	54
L8	N	14.0	800	57	765	55	769	55	14.0	678	48	14.8	482	33	–	–
L15	W	23.4	1511	65	1175	50	1188	51	23.4	1281	55	23.3	1013	43	1359	58
L15	M	23.4	1455	62	1333	57	1337	57	23.4	1234	53	23.3	1016	44	1390	60
L15	N	23.4	1402	60	1242	53	1348	58	23.4	1189	51	23.3	769	33	–	–
L24	W	37.7	2228	59	1925	51	1945	52	37.7	1889	50					
L24	M	37.7	2226	59	1995	53	1997	53	37.7	1887	50					
L24	N	37.7	2228	59	2197	58	2208	59	37.7	1889	50					

MULTIPLIER TABLES

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

	CATALOG NUMBER	CONVERSION FACTOR
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

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85

BEAM ANGLE

	DOWNLIGHT O	F	L	R	WM UPLIGHT O	CM UPLIGHT 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°
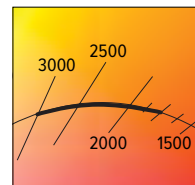
TRIM TYPE [2]

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

- 3000K CCT at 100% (full output) and 1800K CCT at 1% (full dim)
- 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%.
- 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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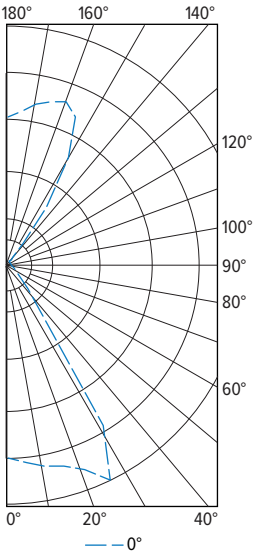Cylinders
Page 2 of 5

6CRDI dim to WARM
6.5" Direct/Indirect Cylinder – Round

PHOTOMETRY

6CRDI-TL-23-L24/9DWU/L15/9DWD-DIM1-UNV-OW/OW-CS-WM Total Luminaire Output: 4230 lumens; 75.4 Watts | Efficacy: 56 lm/W | 95 CRI; 3000K CCT


VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2011	
5	2071	200
15	2178	623
25	2479	1057
35	341	403
45	49	40
55	12	12
65	1	2
75	0	0
85	0	1
90	4	
95	4	4
105	6	6
115	10	10
125	20	19
135	64	69
145	675	426
155	1636	725
165	1697	482
175	1543	150
180	1479	

ZONE	LUMENS	% FIXTURE
0 - 30	1880	44
0 - 40	2283	54
0 - 60	2336	55
0 - 90	2339	55
90 - 120	21	1
90 - 150	535	13
90 - 180	1892	45
0 - 180	4230	100

CANDLEPOWER DISTRIBUTION

LUMEN SUMMARY

DOWNLIGHT
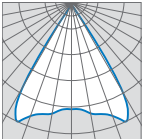
OPEN (O)

65° Wide
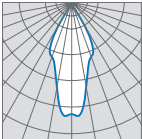
45° Medium
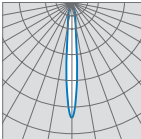
10° Narrow

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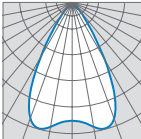
60° Wide
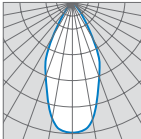
50° Medium
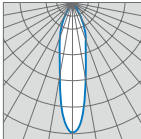
25° Narrow

FLUSH (L)
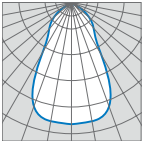
50° Wide
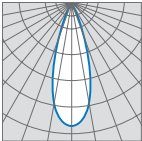
35° Medium
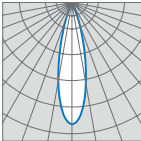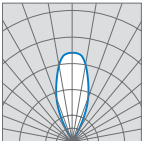

25° Narrow

REGRESSED (R)
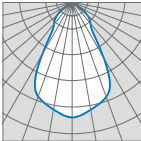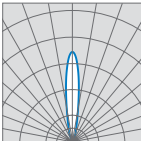

50° Wide
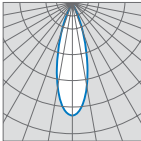
30° Medium
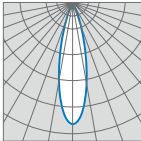
25° Narrow

UPLIGHT CABLE MOUNT
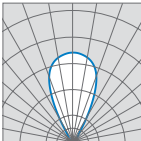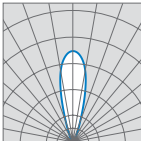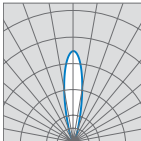
OPEN (O)
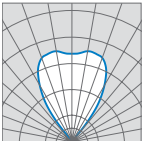
70° Wide

40° Medium

15° Narrow

FLUSH (L)

50° Wide
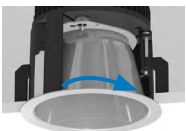

30° Medium

20° Narrow

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

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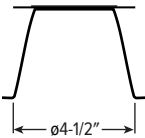
Cylinders
Page 3 of 5

6CRDI dim to WARM
6.5" Direct/Indirect Cylinder – Round

TRIM TYPE DETAILS

DOWNLIGHT

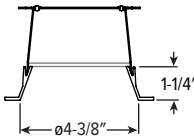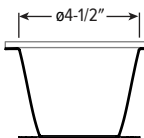| OPEN	OPEN TOP DIFFUSER	FLUSH	REGRESSED
ø4-1/2"	ø4-1/2"	ø4-1/4"	ø4-3/8" 1-1/4"
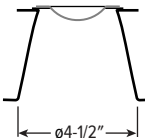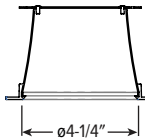
UPLIGHT WALL MOUNT

OPEN
ø4-1/2"

UPLIGHT CABLE MOUNT

OPEN	FLUSH
ø2-1/2"	ø2-7/16"
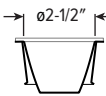
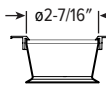## CONTROL DETAILS

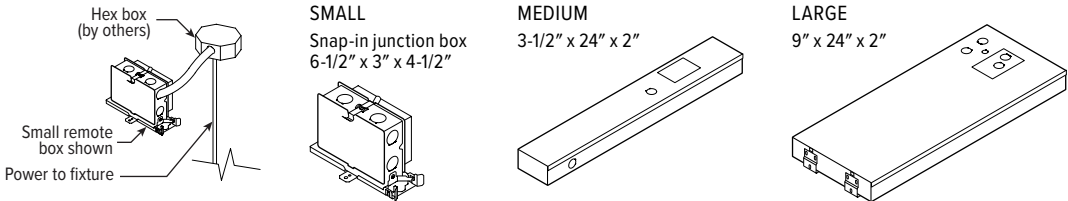If using two different stops for U/D, see highest lumen stop for RDB.

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	O I S	O I S	O I M	R I L
LUT	Lutron Ecosystem enabled	O I M	O I M	O I M	R I L

REMOTE MOUNT KEY

O I S	RDB Optional, Small Box
O I M	RDB Optional, Medium Box
R I 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.
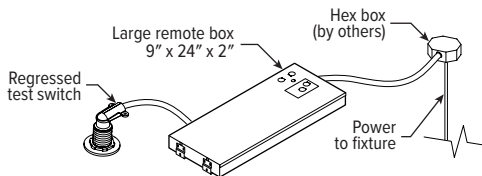
Hex box (by others)
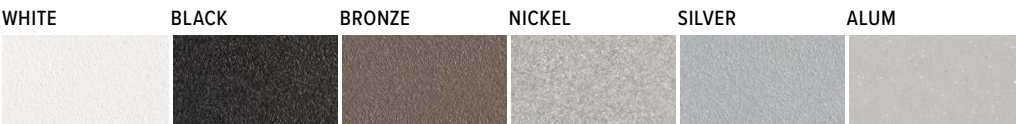Small remote box shown
Power to fixture

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

HOUSING FINISH DETAILS

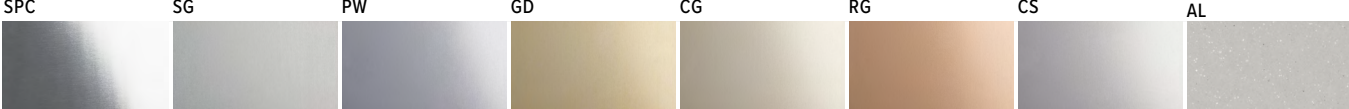| WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM

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

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Cylinders
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6CRDI dim to WARM
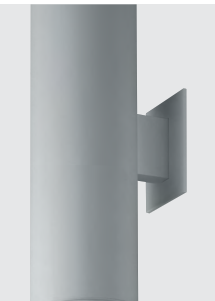## 6.5" Direct/Indirect Cylinder – Round
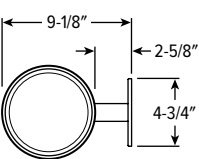
MOUNTING DETAILS

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
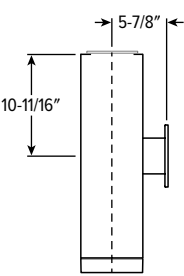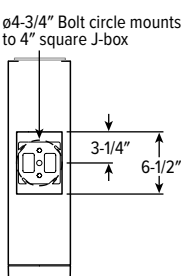- Hard ceiling anchor provided by others

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

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Cylinders
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