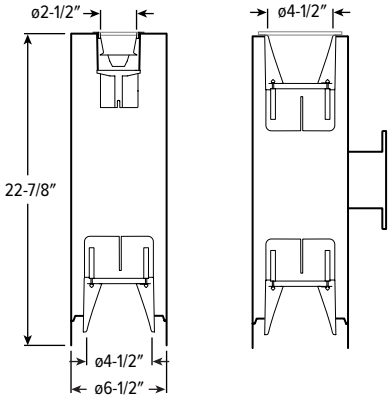
6CRDI dim to WARM
6.5″ Direct/Indirect Cylinder – Round



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
6CRDI - TL TrimLock

HEIGHT
23 23″

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

LUMENS [3]
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

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 [7]
L Flush lens [8]

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 [9]
N Narrow [10]

Downlight
W Wide
M Medium
N Narrow

REFLECTOR FINISH [4]

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 [5]
PD Diffuse 1/8″ polycarbonate lens [6]

MOUNTING

MOUNTING TYPE [11]
CM__ Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [12]
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 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
4 Specified for Downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
5 Not available with O or F Trim Types. Downlight only. W Distribution only.
6 Not available with O or F Trim Types. Downlight only. W Distribution only.
7 CS Reflector Finish standard. Other colors available, consult factory.
8 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
9 O Trim Type only when specified with WM Mounting Type.
10 O Trim Type only.
11 See page 5 for MOUNTING DETAILS.
12 L15 lumen package max for uplight. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

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

		DOWNLIGHT							UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT				
			OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS			OPEN REFLECTOR			OPEN REFLECTOR		FLUSH LENS	
	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	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
	M	14.0	830	59	760	54	763	55	14.0	704	50	14.8	581	39	793	54
	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
	M	23.4	1455	62	1333	57	1337	57	23.4	1234	53	23.3	1016	44	1390	60
	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					
	M	37.7	2226	59	1995	53	1997	53	37.7	1887	50					
	N	37.7	2228	59	2197	58	2208	59	37.7	1889	50					

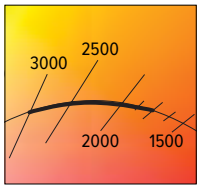
MULTIPLIER TABLES

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	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

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 Reflector Finish.

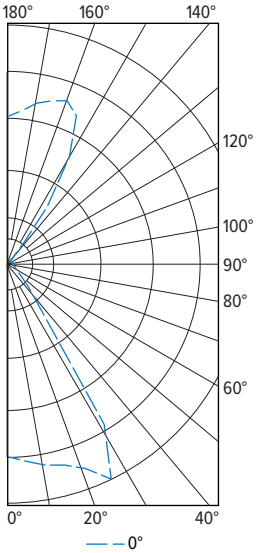
- 3000K CCT at 100% (full output) and 1800K CCT at 1% (full dim)
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual 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.

PHOTOMETRY CONTINUED ON NEXT PAGE.

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

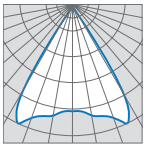


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	2011	
	5	2071	200
	15	2178	623
	25	2479	1057
	35	341	403
	45	49	40
	55	12	12
	65	1	2
	75	0	0
	85	0	1
	90	4	
	95	4	4
	105	6	6
	115	10	10
	125	20	19
	135	64	69
	145	675	426
	155	1636	725
	165	1697	482
	175	1543	150
	180	1479	

LUMEN SUMMARY	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

DOWNLIGHT

OPEN (O)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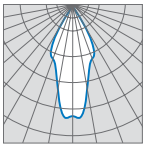
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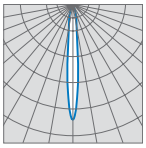
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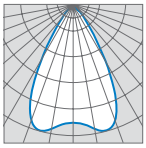
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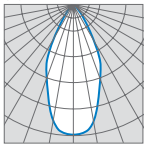
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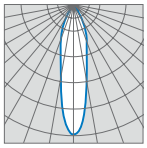
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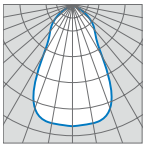
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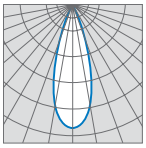
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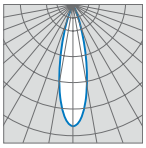
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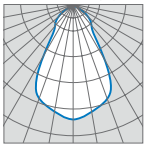
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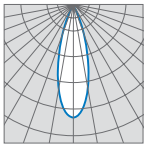
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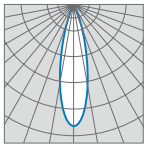
25° Narrow

UPLIGHT CABLE MOUNT

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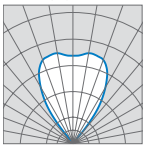
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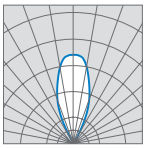
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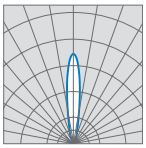
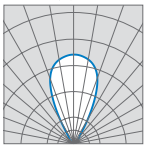

15° Narrow

FLUSH (L)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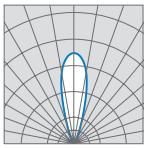
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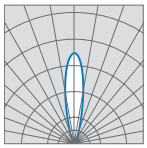

20° Narrow

TRIMLOCK DETAILS

TWIST

PULL

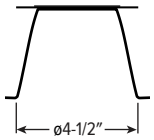
RELEASE

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

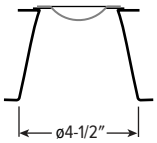
TRIM TYPE DETAILS

DOWNLIGHT

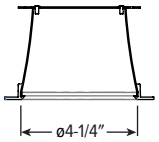
OPEN



OPEN TOP DIFFUSER



FLUSH



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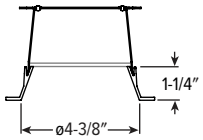
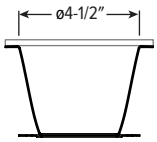


UPLIGHT WALL MOUNT

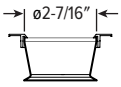
OPEN



UPLIGHT CABLE MOUNT

OPEN

FLUSH



CONTROL DETAILS

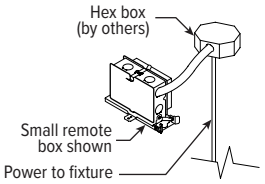
If using two different stops for U/D, see highest lumen stop for RDB.

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

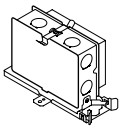
REMOTE MOUNT KEY	
O I S	RDB Optional, Small Box
O I M	RDB Optional, Medium Box
R I L	RDB Required, Large Box

REMOTE MOUNT DETAILS

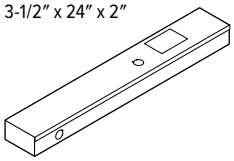
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



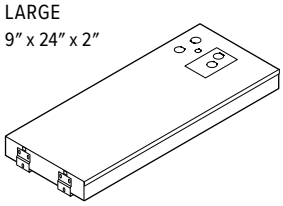
SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″



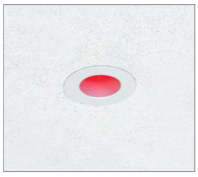
MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″

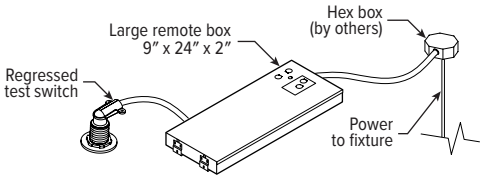


EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

Max remote distance is 50′ including suspension length, connection by others.



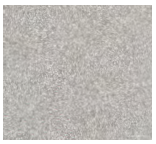
HOUSING FINISH DETAILS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

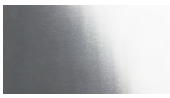
RAL#____

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

REFLECTOR FINISH DETAILS

Smooth Finish

SPC



SG

PW

GD

CG

RG

CS

AL

Textured Finish

WH

BL

BZ

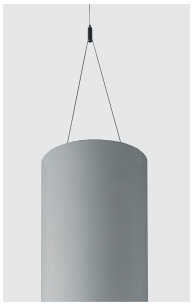
NK

SV

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

MOUNTING DETAILS

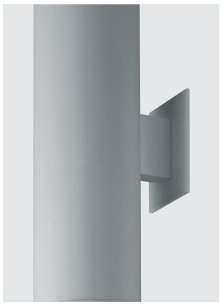
CABLE MOUNT (CM__)

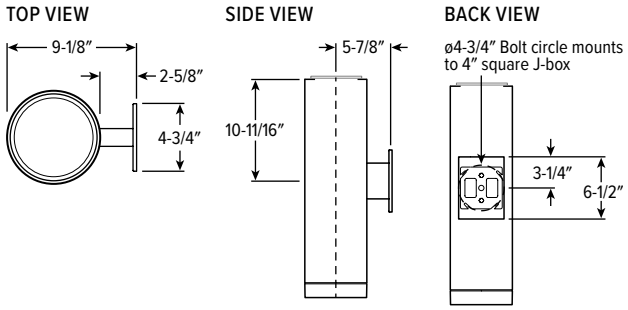


Provided with:

- 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)





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