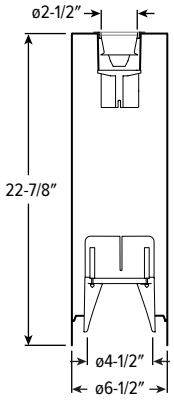
6CRDI dim to WARM
6.5" Direct/Indirect Cylinder – Round



CM Shown

CATALOG #:

TYPE:

PROJECT:

BUY AMERICAN ACT COMPLIANT

ORDERING EXAMPLE: 6CRDI - TL - L24/9DWU/L24/9DWD - OPTIONS - WHT - DIM1 - UNV - LW/LM - CS - TRIM OPTIONS - CM
(HOUSING | TRIM | MOUNT.)

HOUSING

SERIES
6CRDI - TL TrimLock

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
See page 5 for EMERGENCY BATTERY OPTIONS.
- **RDB** Remote mount control/driver box, painted black [2]

HOUSING FINISH [1]
- **ALUM** Silver sparkle aluminum
- **BLK** Textured black
- **BRZ** Textured bronze
- **NKL** Textured nickel
- **SLV** Textured silver
- **WHT** Textured white

CONTROL
- **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 [4]
(Example Uplight/Downlight: **LW/LM**)

TRIM TYPE

Uplight
- **O** Open reflector with clear glass shield [9]
- **L** Flush lens [10]

Downlight
- **O** Open reflector
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION

Uplight
- **W** 65° Wide
- **M** 45° Medium [11]
- **N** 10° Narrow [12]

Downlight
- **W** 65° Wide
- **M** 45° Medium
- **N** 10° 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]
- **TD** Diffuse polycarbonate lens media at top of open reflector [8]

MOUNTING

MOUNTING TYPE [13]

- **CM__** Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** [14]
- **WM** Wall mount

NOTES
1. See page 4 for HOUSING FINISH DETAILS.
2. Painted white available, specify RDB/WHT.
3. Lumen output based on O trim type, W distribution and CS finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
4. Beam angle based on O Trim Type, WM Mounting Type and CS Reflector Finish. Trim Type affects beam angle. 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 Trim Type. Downlight only. W distribution only.
7. Not available with O Trim Type. Downlight only. W distribution only.
8. O Trim Type only. Downlight only.
9. CS Reflector Finish standard. Other colors available, consult factory.
10. Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
11. O Trim Type only when specified with WM Mounting Type.
12. O Trim Type only.
13. See page 5 for MOUNTING DETAILS.
14. 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

TrimLock®

- 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

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.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- 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

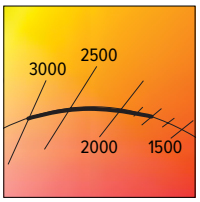
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG [1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH [1]	0.89
	BL [1]	0.47

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
AD	0.85
PD	0.85
TD	0.67

BEAM ANGLE

	TRIM TYPE					
	DOWNLIGHT			WM UPLIGHT	CM UPLIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	OPEN	FLUSH
W	65°	50°	50°	65°	70°	50°
M	45°	35°	30°	45°	40°	30°
N	10°	25°	25°	10°	15°	20°



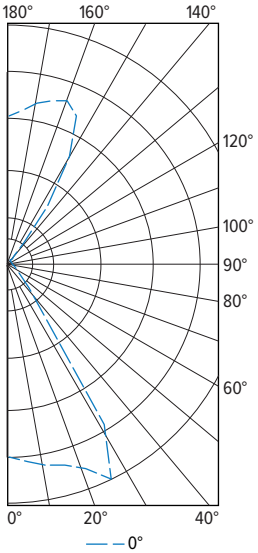
1 Distribution will also be affected, consult factory.

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

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

PHOTOMETRY

6CRDI-TL-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



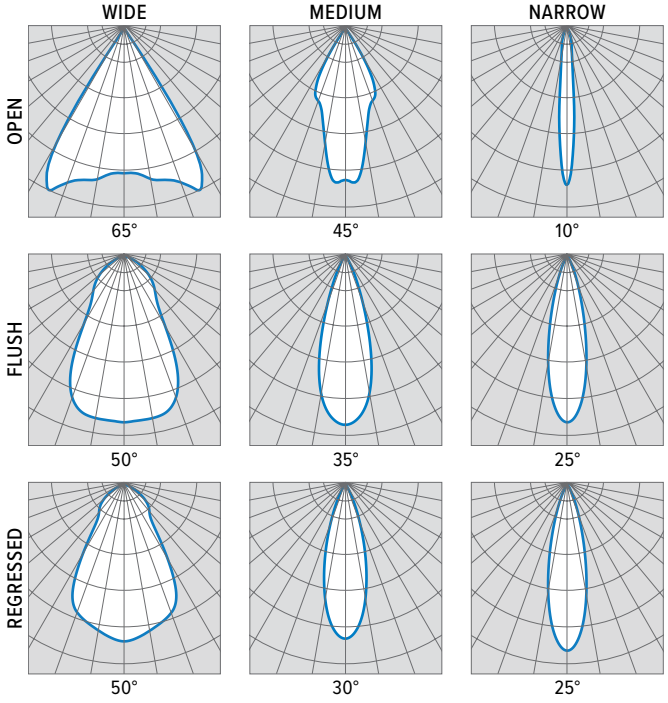
CANDLEPOWER DISTRIBUTION

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	

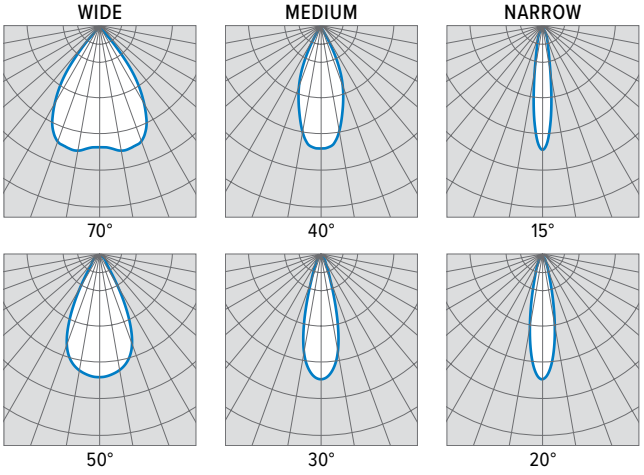
LUMEN SUMMARY

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

WALL MOUNT



UPLIGHT CABLE MOUNT



TRIMLOCK DETAILS

TWIST

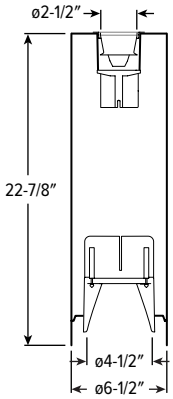
PULL

RELEASE

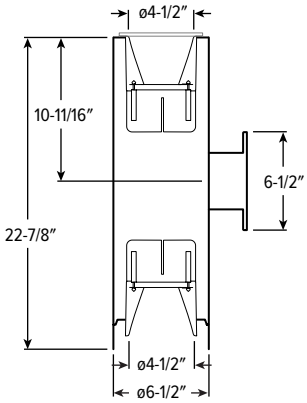
6CRDI dim to WARM
6.5″ Direct/Indirect Cylinder – Round

CROSS SECTIONS

CABLE MOUNT



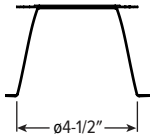
WALL MOUNT



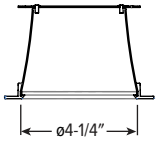
TRIM TYPE DETAILS

DOWNLIGHT

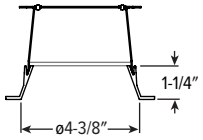
OPEN



FLUSH

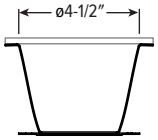


REGRESSED



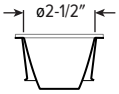
UPLIGHT WALL MOUNT

OPEN



UPLIGHT CABLE MOUNT

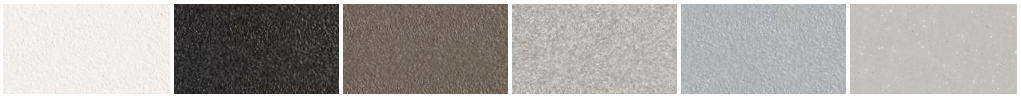
OPEN



FLUSH

HOUSING FINISH DETAILS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM

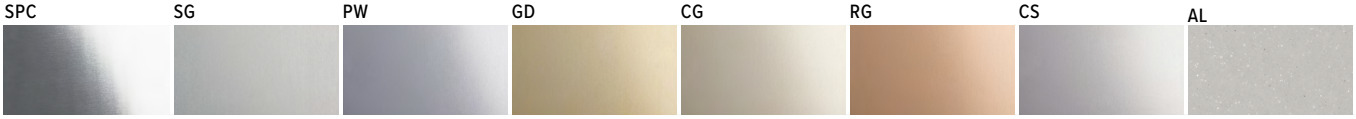


For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

REFLECTOR FINISH DETAILS

Smooth Finish

SPC | SG | PW | GD | CG | RG | CS | AL



Textured Finish

WH | BL | BZ | NK | SV

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

EMERGENCY BATTERY OPTIONS

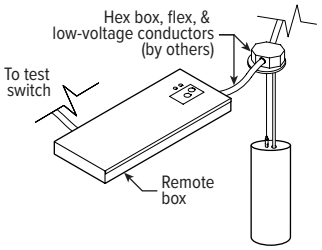
Max remote distance 50′, including suspension length. Emergency light defaults to downlight output. Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/7WRM	Remote mount 7-watt emergency battery
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch [1]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [1]
EM/12WRM	Remote mount 12-watt emergency battery [2]
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch [1] [2]

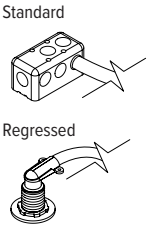
[1] For use in grid ceiling installations only.

[2] Not available when CEC regulations are required.

RDB OPTION DETAILS

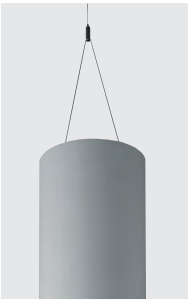


TEST SWITCH DETAILS



MOUNTING DETAILS

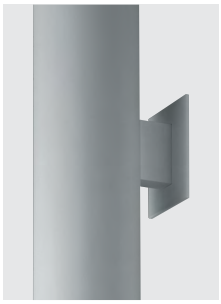
CABLE MOUNT (CM__)



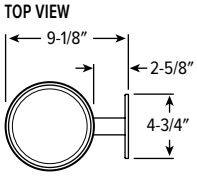
Cable mount fixtures are provided with:

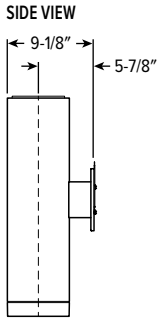
- Adjustable length aircraft cable, must specify length in 24″, 48″, 96″, or 144″ inches.
- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
- One 5″ canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

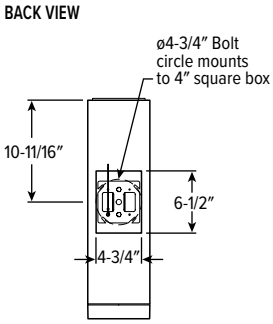
WALL MOUNT (WM)



Mounts to 4″ square J-box.







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