Columbia LIGHTING

CWM
CONTEMPORARY LED WALL MOUNT

FEATURES

- Simplistic modular design with interchangeable lenses and end caps
- Available in semi-recessed, flush mount and direct/indirect configurations
- Easy removal of lens allows access to electrical components for modular replaceability
- Luminaire installs in three easy steps without disassembling the fixture
- Slender profile meets ADA requirements for wall mounted product
- Wide lumen package offering for a variety of wall mount applications including stairwell, corridor, and vanity
- Best in class efficacy and reduced input wattage; excellent energy savings compared to legacy fluorescent products

CWM with FR lens and FA end cap options

CONTROL TECHNOLOGY

SpectraSync™ Color Tuning Technology

NX DISTRIBUTED INTELLIGENCE™

5.22" (132.6mm)

4" (101.6mm)

Surface Mount Cross Section (FR, SB, SF lenses)
See additional dimensions on pages 5–6

CWM with DIS lens and FA end cap options

SPECIFICATIONS

CONSTRUCTION
- The luminaire chassis is designed from anodized extruded aluminum
- End caps are injection molded or die cast for a finished appearance and provide smooth edges for ease of handling
- Fixture provides easy access to electrical components via removal of lens and chassis.

OPTICS
- High efficiency acrylic lens features linear prisms for high performance without glare or pixelation
- Optional ⅛" 3form material can be added as a decorative element or to match existing 3form features in various applications. For custom selections please consult factory

INSTALLATION
- Semi-recessed or surface mounting options
- Semi-recessed mounting option requires the use of a 4-gang junction box for proper mounting and assembly
- A Snap-Tite conduit adapter is recommended for conduit installation to surface mount option
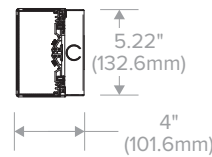
CONTROLS
- Optional SpectraSync™ offers two modes of Tunable White solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- NX is available in U.S., Canada and Mexico. For other locations consult factory

CERTIFICATIONS
- Built to UL 1598 and 2108 standards and bear appropriate cCSAus labels
- Damp Location labeling is standard
- Emergency equipped fixtures are listed to UL924 standards for emergency situations
- Adheres to LM79, LM80, and TM21 industry standards
- DLC® (DesignLights Consortium) Qualified - see www.designlights.org

WARRANTY
- 5 year warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1004–4408
Wattage Range	14–43
Efficacy Range (LPW)	66–123
Reported Life (Hours)	L80/60,000
Input Current Range (mA)	119–783

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DATE:	LOCATION:
TYPE:	PROJECT:
	CATALOG #:

CWM
CONTEMPORARY LED WALL MOUNT

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ORDERING GUIDE

Example: CWM4–40MLSM–FRFP–EDU

CATALOG #

CWM		–					–		
Model	**Size**		**CRI**	**Color Temp**	**Delivered Lumens**[2]	**Mounting**		**Lens**	

Model	**Size**
CWM Contemporary LED Wall Mount	**2** 2' **4** 4'

CRI	**Color Temp**		**Delivered Lumens**[2]		**Mounting**		**Lens**	
Blank >80	**30**	3000K	**XW**	4' (2530)[3]	**SM**	Surface Mount	**FR**	Frosted Rectilinear Lens
	35	3500K	**VW**	2' (1664), 4' (3239)	**SR**	Semi-Recessed	**SB**	Slotted Lens with Bamboo Insert
	40	4000K	**MW**	2' (2013), 4' (3633)			**SF**	Slotted Lens with Fabric Insert
	50	5000K	**LW**	2' (2439), 4' (4273)[4]			**DIS**	Direct/Indirect Straight Aluminum Lens
	2750T	2700K-5000K SpectraSync™ Tunable White[1]	**ML**	2' (3310), 4' (4831)[5]			**DISB**	Direct/Indirect Straight Aluminum Lens with Bamboo Insert
	2765T	2700K-6500K SpectraSync™ Tunable White[1]					**DISF**	Direct/Indirect Straight Aluminum Lens with Fabric Insert
							DIC	Direct/Indirect Curved Aluminum Lens
							DICB	Direct/Indirect Curved Aluminum Lens with Bamboo Insert
							DICF	Direct/Indirect Curved Aluminum Lens with Fabric Insert

–		U	–		
End Caps		**Driver**	**Voltage**	**Options**	**Control Options**

End Caps	
FP	Flat Plastic End Caps[6]
FA	Flat Aluminum End Caps[7]
WA	Aluminum End Caps with Glow Ends[6]

Driver		**Voltage**	
E	Fixed Output	**U**	120–277V
ED	0-10V Dimming		
ED1	0-10V 1% Dimming		

Options		**Control Options**	
ELL14	Emergency Battery Pack, 1400 Lumens[8]	**NX Networked – Wired**	
GLR	Fast Blow Fuse	**NXE**	NX, Dual SmartPorts[12,13,14]
LVC1	Low Voltage Controller for individual control of the reading function[9,10,11]	**Third-Party Control Options**	
LVC2__	Low Voltage Controller for individual or sequential control of two (2) independent functions. Use LVC Selection Chart included in this document to complete ordering code (Ex. LVC21, LVC22)[9,10,11]	**HFU**	High Frequency Ultra-sonic Occupancy Sensor[12,13,15]
		OW	Occupancy Sensor, Wattstopper[12,13,15,16,17]
LVCD__	Low voltage controller for up to three (3) functions with one (1) or two (2) functions having 0–10v dimming and the remaining function(s) being controlled independently. Use LVC Selection Chart on next page to complete ordering code (Ex. LVCDST5, LVCDSM4)[9,10,11]		
P4L	4-Pole Pull Switch (mounted to the left as facing the luminaire)[9,10,11]		
P4R	4-Pole Pull Switch (mounted to the right as facing the luminaire)[9,10,11]		

Accessories: Optional Integral Sensors

	Cat# Suffix	**Sensor Manufacturer**	**Sensor Function**	**Dim-To-Off Daylighting**	**Powerpack included in luminaire housing**
☐	**OW**	Wattstopper	Occupancy Sensor	No	Yes
☐	**HFU**	Wattstopper	High Frequency Ultrasonic Occupancy	No	Yes

Notes:
1. Available with ED driver only, N/A with ELL14 (2') or SR (2'&4') options
2. Based on the 4000K with FR lens. See CWM Performance Data Sheet for extended lumen data
3. XW only available with 4'
4. LW with SR mounting not compatible with through wiring on 4' version
5. ML not available with SR mounting option. ML Direct/Indirect only available in 2'
6. Not available on Direct/Indirect
7. Standard for Direct/Indirect
8. Battery backup only available with SM mounting option

9. LVC and Pull Switch only available with Direct/Indirect lens option
10. LVC and Pull Switch available in 120V only
11. LVC and Pull Switch available in Surface Mount only

NX In-Fixture Control Options:
12. NX controls can only be used with NX Sensor options
13. Not available with LVC or Pull Switch
14. NX is available with ED and ED1 drivers only

Third-Party Control Options:
15. HFU and OW only available with SM mounting option
16. Not recommended for stairwell applications
17. Only available with ED driver

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ORDERING GUIDE (CONTINUED)

LVC SELECTION CHART

The Low Voltage Controller (LVC) option allows control of the luminaire functions from a patient pillow switch, bed side rail or wall switch with normally-open momentary dry contacts. Depending on the number of modes to be controlled, various control options are available.

Independent	I	Dedicated On/Off control for a single load.
Sequential	S	On/Off Control of two loads by sequentially cycling through them
Step dim	ST	Stepped light levels in 25% increments with each toggle of the low voltage switch.
Smooth dim	SM	Smooth increase in light level from a starting point of 25% by continuing to press the switch. When released, pressed and held again, the light level decreases until the switch is released.

LVC ORDERING CODE	FUNCTION	
	AMBIENT (top compartment)	READING (bottom compartment)
LVC1		I
LVC21	I or S*	I or S*
LVCDST4	ST	I
LVCDST5	I	ST
LVCDST6	ST	ST
LVCDSM4	SM	I
LVCDSM5	I	SM
LVCDSM6	SM	SM

*The selection of Individual (I) or sequential (S) control is determined by in-field connections at the control(s).

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DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

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CONTROLS

NX Distributed Intelligence™ Lighting Controls:
Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid.
Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.

NX DISTRIBUTED INTELLIGENCE

NX INTEGRATED CONTROLS REFERENCE									
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming	Commissioning
NX Networked – Wired									
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires a dongle[1]	On-site

1 NXBTC/R needs to be plugged into an available SmartPort on the fixture network

SpectraSync™ Color Tuning Technology:
Control your space based on the needs of the application, specific activities throughout the
day and preferences of the occupants with distinct SpectraSync Color Tuning Technologies.

SpectraSync Color Tuning Technology

SPECTRASYNC COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K–5000K 2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space
Scheduled White	2700K-5000K 2700K-6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being

SpectraSync Tunable White
Available in two options: 2750T (2700K–5000K) or 2765T (2700K–6500K).
Requires two 0–10V controllers, one for intensity and one for CCT.
Minimum 5% dimming.

Black (HOT)
White (NEUTRAL)
Green (GROUND)

Violet (DIMMING +)
Grey (DIMMING -)

Violet/White (WHITE TUNE +)
Grey/White (WHITE TUNE -)
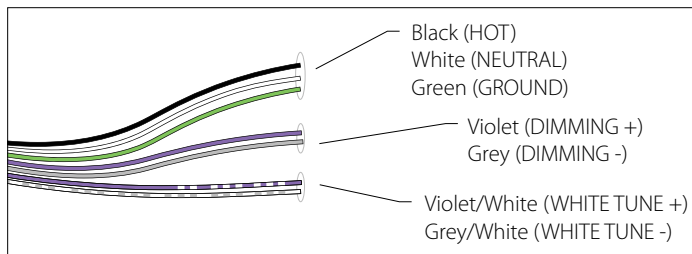
SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data
SpectraSync Tunable White was designed to be used with sinking style
dimmers (provided by others) and is compatible with:
- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

Color Tuning Profile

Channel 1
Channel 2
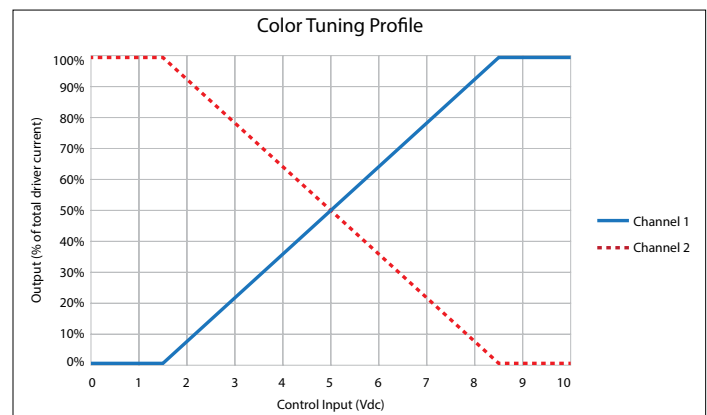
To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

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DIMENSIONS

SURFACE MOUNT — FR, SB, SF LENSES

Front view, 4'

49"
(1244.6mm)

Front view, 2'

25"
(635mm)

Cross section, both sizes

5.22"
(132.6mm)

4"
(101.6mm)

Surface Mount fixture
on surface

4" FROM WALL TO
FRONT OF FIXTURE

SURFACE WALL

SURFACE MOUNT
BOX(PROVIDED
WITH FIXTURE)

4" SQUARE
OR 4" OCTAGON
JUNCTION BOX

DRIVER
WITH FIXTURE

FLAT HEAD
PHILIPS DRIVE SCREW
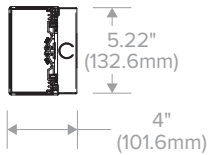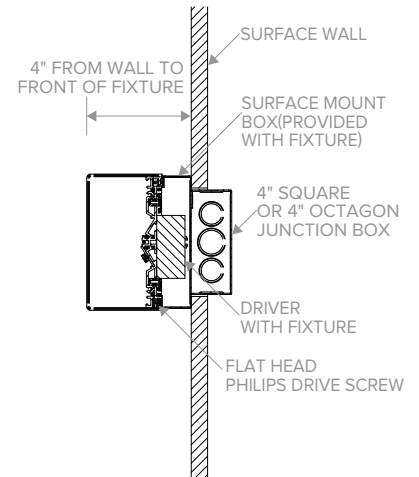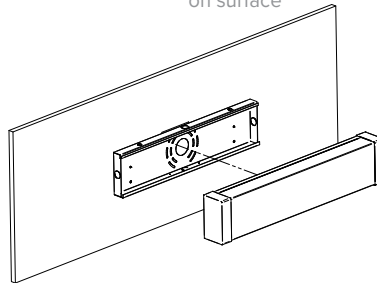
SURFACE MOUNT — DIRECT/INDIRECT LENSES
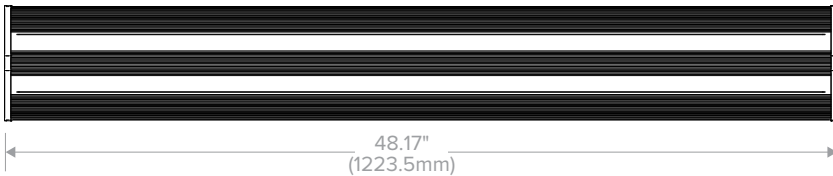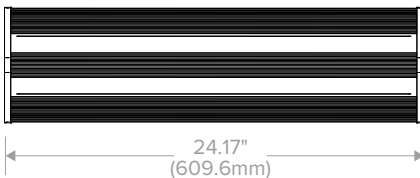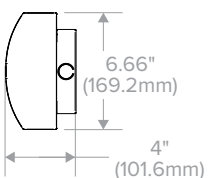
Front view, 4'

48.17"
(1223.5mm)

Front view, 2'

24.17"
(609.6mm)

Cross section, both sizes,
curved

6.66"
(169.2mm)

4"
(101.6mm)

Cross section, both sizes,
straight

6.06"
(153.9mm)

4"
(101.6mm)

Surface Mount fixture
on surface

4" FROM WALL TO
FRONT OF FIXTURE

SURFACE WALL

SURFACE MOUNT
BOX(PROVIDED
WITH FIXTURE)

4" SQUARE
OR 4" OCTAGON
JUNCTION BOX

DRIVER
WITH FIXTURE

FLAT HEAD
PHILIPS DRIVE SCREW

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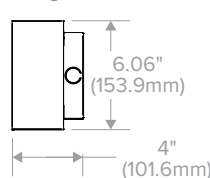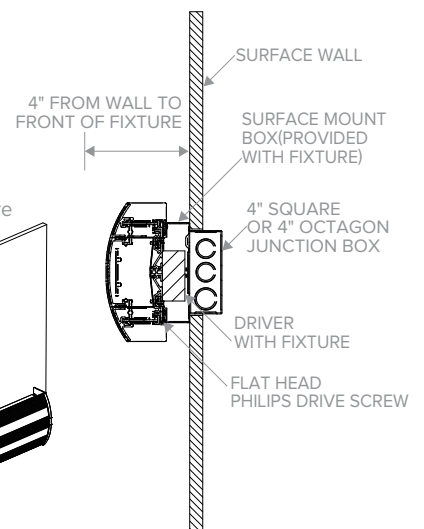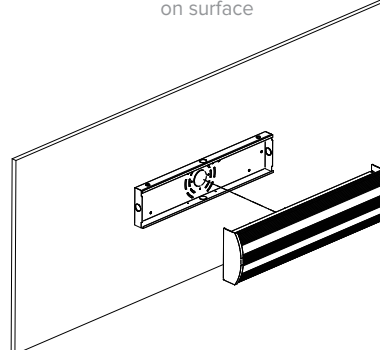
DIMENSIONS, CONT'D

SEMI-RECESSED — FR, SB, SF LENSES

Front view, 4'

49"
(1244.6mm)

Front view, 2'

25"
(635mm)

Cross section, both sizes

3"
(76.2mm)

5.22"
(132.59mm)

3.75"
(95.3mm)

3" FROM WALL TO
FRONT OF FIXTURE

Surface Mount fixture
on surface

DRYWALL

MOUNTING PLATE
(PROVIDED
WITH FIXTURE)

4-GANG JUNCTION
BOX (72.8 CU. IN.)
(EX: RACO 953)

DRIVER
FROM FIXTURE

4-GANG J-BOX
COVER (20.3 CU. IN.)
(EX: RACO 823)

FLAT HEAD
PHILIPS DRIVE SCREW
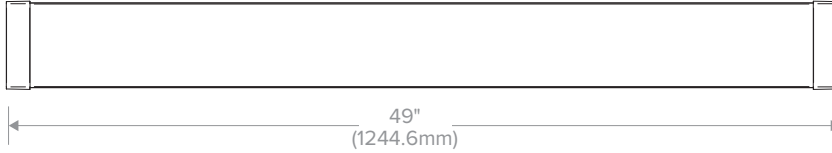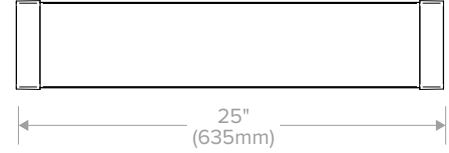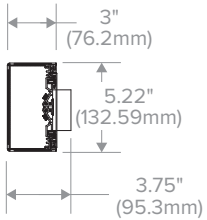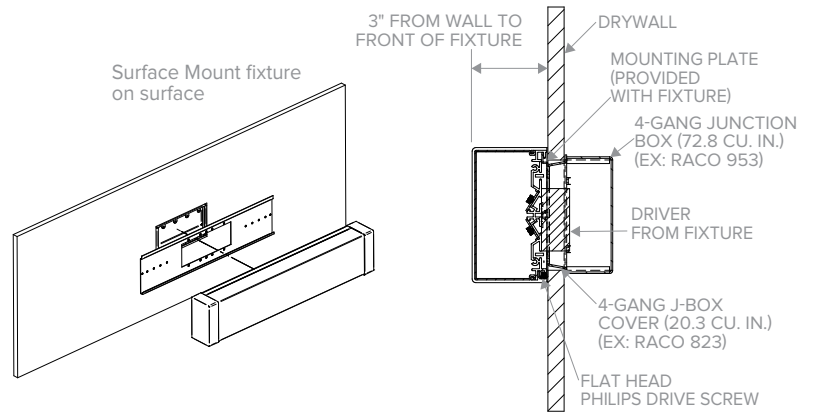
SEMI-RECESSED — DIRECT/INDIRECT LENSES
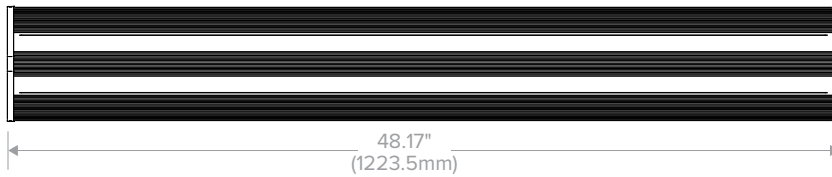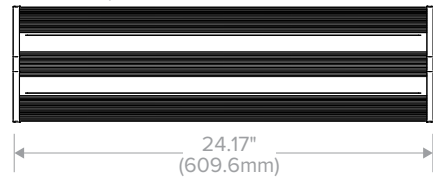
Front view, 4'

48.17"
(1223.5mm)

Front view, 2'

24.17"
(609.6mm)

Cross section, both sizes, curved

2.9"
(73.7mm)

6.66"
(169.2mm)

3.8"
(96.5mm)

Cross section, both sizes, straight

2.89"
(73.4mm)

6.06"
(153.9mm)

3.78"
(96mm)

2.95" FROM WALL TO
FRONT OF FIXTURE

Surface Mount fixture
on surface

DRYWALL

MOUNTING PLATE
(PROVIDED
WITH FIXTURE)

4-GANG JUNCTION
BOX (72.9 CU. IN.)
(EX: RACO 953)

DRIVER
WITH FIXTURE

4-GANG J-BOX
COVER (20.3 CU. IN.)
(EX: RACO 823)

FLAT HEAD
PHILIPS DRIVE SCREW

HUBBELL
HUBBELL Lighting

PHOTOMETRY

IES

PDF

IES

PDF

IES

PDF

Columbia LIGHTING

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

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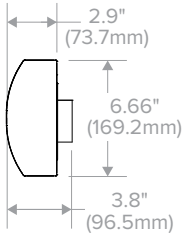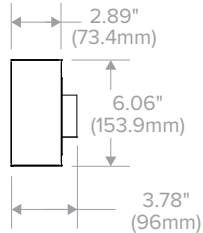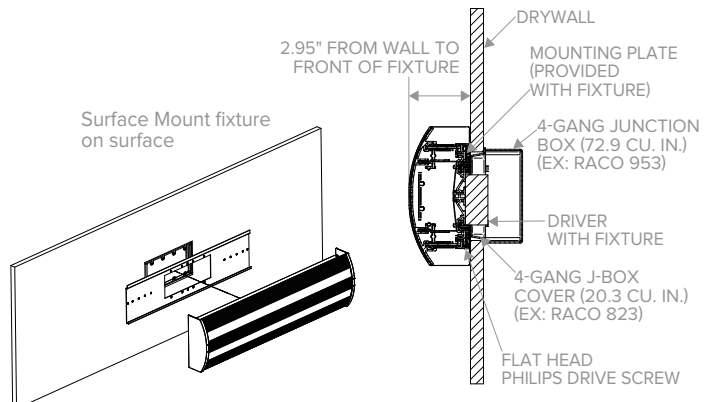
PHOTOMETRY

CWM4-35LWXX-FRYY-EDU

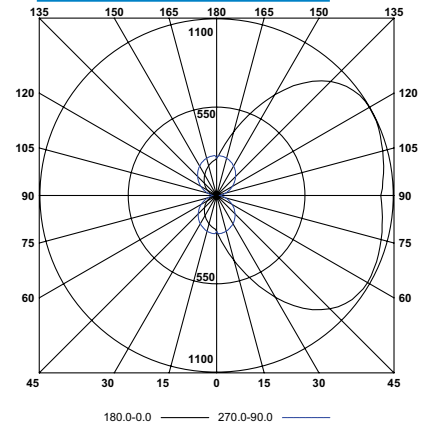**LUMINAIRE DATA**

Test No.	16631
Description	CWM Contemporary Wall Mount, Surface 4ft Wall Mount with Frosted Lens
Delivered Lumens	4210
Watts	32.00
Efficacy	132
Mounting	Wall Mount
Spacing Criterion	0° = N/A 90° = N/A

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	241	5.7
0–40	459	10.9
0–60	1085	25.8
0–90	2099	49.8
0–180	4210	100

POLAR GRAPH

180.0-0.0 ——— 270.0-90.0 ———

CWM4-35LWXX-DIS-EDU

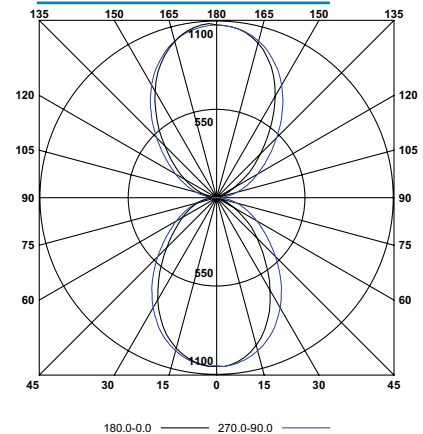**LUMINAIRE DATA**

Test No.	17817
Description	CWM Contemporary Wall Mount, Surface 4ft Direct-Indirect Wall Mount with Frosted Lens
Delivered Lumens	4233
Watts	43.40
Efficacy	98
Mounting	Wall Mount
Spacing Criterion	0° = N/A 90° = N/A

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	755	17.8
0–40	1159	27.4
0–60	1785	42.2
0–90	2091	49.4
0–180	4233	100

POLAR GRAPH

180.0-0.0 ——— 270.0-90.0 ———

CWM4-35LWXX-DIC-EDU

LUMINAIRE DATA

Test No.	17841
Description	CWM Contemporary Wall Mount, Surface 4ft Direct-Indirect Wall Mount with Frosted Lens
Delivered Lumens	3211
Watts	43.30
Efficacy	74
Mounting	Wall Mount
Spacing Criterion	0° = N/A 90° = N/A

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	640	19.9
0–40	935	29.1
0–60	1360	42.4
0–90	1620	50.5
0–180	3211	100

POLAR GRAPH

180.0-0.0 ——— 270.0-90.0 ———

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