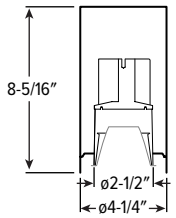
4CR dim to WARM
4″ Compact Cylinder – Round



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | Low UGR | TwistLock™

ORDERING EXAMPLE: 4CR - 08 - L12/9DW - RDB - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM
(HOUSING: 4CR - 08 - L12/9DW - RDB - OPTIONS - WHT - DIM1 - UNV; TRIM: OW - CS - TRIM OPTIONS; MOUNT.: CM)

HOUSING

SERIES
4CR

HEIGHT
08 8″

LUMENS [1]
L7 700lm
L12 1,200lm

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

REMOTE
RDB Remote mount control/driver box, galvanized steel

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

HOUSING FINISH [3]
ALUM Silver sparkle aluminum
BLK Textured black
BRZ Textured bronze
NKL Textured nickel
SLV Textured silver
WHT Textured white

CONTROL
See page 3 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
O Open reflector
F Open reflector with frosted top diffuser
L Flush lens
R Regressed lens

DISTRIBUTION
See page 2 for BEAM ANGLE.
W Wide
M Medium
N Narrow [5]

REFLECTOR FINISH [4]

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

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 [8]
CM__ Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [9]
PM__ Pendant mount. Example: 24″ pendant = **PM24** [10]
PC__ Power cord mount. Example: 24″ cord = **PC24** [11]
SM TwistLock surface mount to octagonal J-box
WM Wall mount

NOTES

1 Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
2 Max remote distance 50′, including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
3 See page 3 for HOUSING FINISH DETAILS.
4 See page 3 for REFLECTOR FINISH DETAILS.
5 O and F Trim Types only when specified with L12 lumen package.
6 Not available with O or F Trim Types. W Distribution only.
7 Not available with O or F Trim Types. W Distribution only.
8 See page 4 for MOUNTING DETAILS.
9 Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
10 Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.
11 48″ and 96″ lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

4CR dim to WARM
4" Compact Cylinder – Round

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Precision illumination with 15° narrow to 70° wide optics
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- 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.
- OPEN REFLECTOR – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- 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 = 49,000 hours. Estimated L70 = 179,000 hours.
- MOUNTING – Surface, cable, pendant, power cord or wall mount. Indoor applications only. Control, driver, and EM battery installed in remote mount box.
- 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

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	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)
L7	3000K	1800K	W	14.8	715	48	749	50	741	50
L7			M	14.8	710	48	757	51	725	49
L7			N	14.8	590	40	764	52	745	50
L12			W	23.3	1239	53	1297	56	1284	55
L12			M	23.3	1243	53	1327	57	1269	54
L12			N	23.3	941	40	–	–	–	–

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

- 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%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

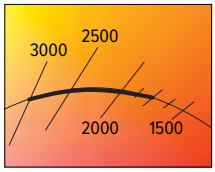
BEAM ANGLE

	TRIM TYPE [2] O	F	L	R
W	70°	Consult Factory	50°	55°
M	40°		30°	30°
N	15°		20°	20°

MULTIPLIER TABLES

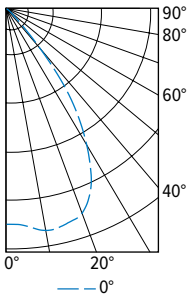
	REFLECTOR FINISH CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
O TRIM	SG [1]	0.92
O TRIM	GD	0.93
O TRIM	CG	0.96
O TRIM	PW	0.86
O TRIM	SPC	1.02
O TRIM	RG	0.88
O TRIM	WH [1]	0.89
O TRIM	BL [1]	0.47
R TRIM	WH	1.00
R TRIM	CS [1]	0.98
R TRIM	BL [1]	0.79
R TRIM	BZ [1]	0.76
R TRIM	NK [1]	0.81
R TRIM	SV [1]	0.81
R TRIM	AL [1]	0.86

TRIM OPTIONS CATALOG NUMBER	CONVERSION FACTOR
F	0.67
AD	0.85
PD	0.85



PHOTOMETRY

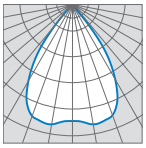
4CR-08-L12/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 1239 lumens; 23.3 Watts | Efficacy: 53.1 lm/W | 95 CRI; 3000K CCT

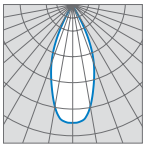


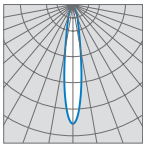
CANDLEPOWER DISTRIBUTION VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1076	
5	1086	79
15	1132	183
25	1006	218
35	487	122
45	63	17
55	17	6
65	6	2
75	1	0
85	0	0
90	0	

LUMEN SUMMARY ZONE	LUMENS	% FIXTURE
0 - 40	1154	93
0 - 60	1231	99
0 - 90	1239	100
0-180	1239	100

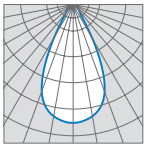
OPEN (O)

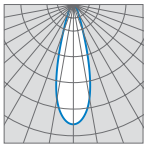

70° Wide

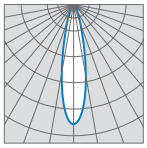

40° Medium


15° Narrow

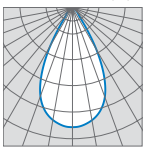
FLUSH (L)

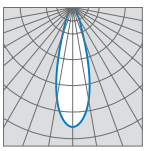

50° Wide

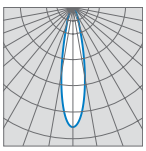

30° Medium


20° Narrow

REGRESSED (R)


55° Wide


30° Medium


20° Narrow

4CR dim to WARM
4″ Compact Cylinder – Round

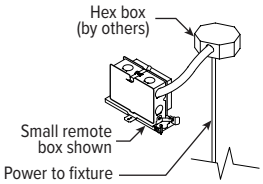
CONTROL DETAILS

CONTROL	DESCRIPTION	RDB DETAILS BY LUMEN STOP		
		L7	L12	w/EM
DIM1	1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications	R | S	R | S	R | L
LUT	Lutron Ecosystem enabled	R | M	R | M	R | L

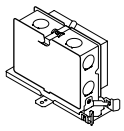
REMOTE MOUNT KEY	
R | S	RDB Required, Small Box
R | M	RDB Required, Medium Box
R | L	RDB Required, Large Box

REMOTE MOUNT DETAILS

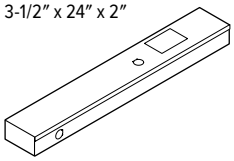
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



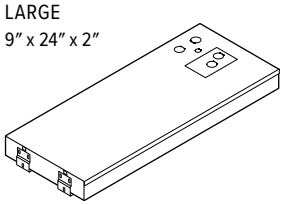
SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″



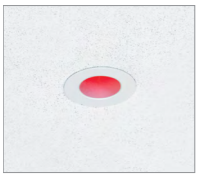
MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″

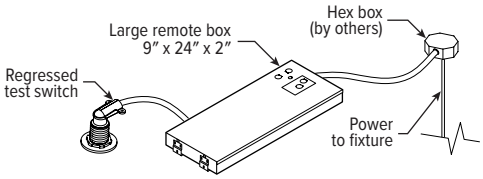


EMERGENCY BATTERY DETAILS



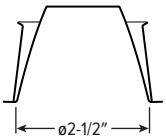
Regressed test switch
ø1-3/4″

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

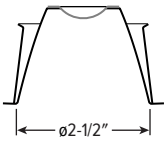


TRIM TYPE DETAILS

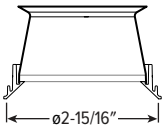
OPEN



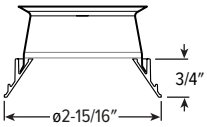
OPEN TOP DIFFUSER



FLUSH



REGRESSED



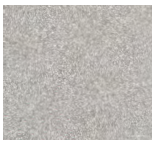
HOUSING FINISH DETAILS

WHITE

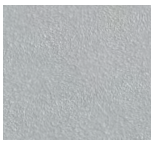
BLACK

BRONZE

NICKEL



SILVER



ALUM

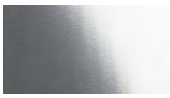
RAL#____

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

4CR dim to WARM
4″ Compact Cylinder – Round

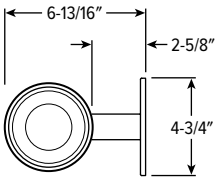
MOUNTING DETAILS

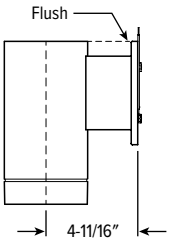
PENDANT MOUNT (PM__)

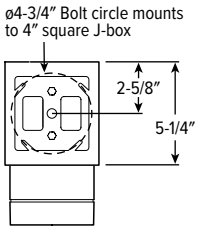
Provided with:

- 38° Swivel canopy
- 3/8″ IPS Threaded stem
- Specify length of stem, 6″ minimum, 24″ default length

WALL MOUNT (WM)







SURFACE MOUNT (SM)

TwistLock™

Simple lift-and-twist mounting secures fixture to J-box.

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

POWER CORD MOUNT (PC)

Provided with:

- 18-gauge cord, see Cord Options for ordering info.
- One 5″ canopy
- Power cord mounting adaptor

CORD OPTIONS

Must specify cord when cable and power cord 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