





Smooth matte white trim flange [13] Diffuse acrylic lens [14]

Diffuse 1/8" polycarbonate lens [15]

WET/CC Wet location, covered ceiling listed

Anti-microbial [16]





NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 2DR - L12/9DW - OPTIONS - DIM1 - UNV - OW - OF - CS - TRIM OPTIONS - IN - F1 ——— HOUSING ——— _____ TRIM _____

HOUSING

2DR

SERIES LUMENS [1]

L7 700lm L12 1,200lm COLOR

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

OPTIONS See page 3 for EMERGENCY BATTERY OPTIONS.

ATH Airtight construction

Fuse

CP Chicago plenum (CCEA) [2] SDT Stepdown transformer [3]

CONTROL

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

Lutron Ecosystem enabled [4]

VOLTAGE

TRIM OPTIONS

MWT

ΑD

ΔМ

UNV 120-277V 347 347V [5]

TRIM [6]

TRIM TYPE

O Open reflector

Open reflector with frosted top diffuser [7]

I Flush lens

R Regressed lens

A Angled lens [8]

DISTRIBUTION See page 2 for BEAM ANGLE.

Wide w Medium М Narrow [9] N WW Wall wash [10]

FLANGE TYPE

OF 1/2" standard flange **ZF** Zero-flange mud-in [11]

REFLECTOR FINISH Open trim types

CS Clear semi-specular anodize

Satin glow anodize

GD Gold anodize

CG Champagne gold anodize

PW Pewter anodize

SPC Clear specular anodize

RG Rose gold anodize

White texture powder coat WH

BL Black texture powder coat

Lens trim types

CS Clear semi-specular powder coat

White texture powder coat WH

Black texture powder coat

Black texture splay with white flange [12] MR

MOUNTING

MOUNTING TYPE [17]

N Open pan for new construction [19]

I IC-rated enclosure for new construction [20]

R Remodel kit [21]

MOUNTING HARDWARE [18]

Integral 2-position fixed pan bracket, universal bar hanger included [22]

BA1 Adjustable butterfly pan bracket, bar hanger not included [23]

CA1 Adjustable caterpillar pan bracket, universal bar hanger included [24]

NOTES

- 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.
- I Mounting Type required.

 Not available with R Mounting. May be required for 347V, see product builder at w.com/product-builder
- N Mounting Type only, top access required. Not available with EM batteries or DMX Driver.
- Trim ships separately.
- WET/CC standard unless ordered with EM/RTS. Available with WW Distribution only.
- When specified with L or R Trim Types: L7 lumen package max.
- A Trim Type only.

 For use with mud-in plaster construction only, supplied with mud flange installation kit. See
- page 4 for TRIM TYPE DETAILS. Not available with 0 or F Trim Types or ATH Option.
 R Trim Type only. Not available with ZF Flange Type or MWT Trim Option.
 Not available with L Trim Type, ZF Flange Type or WH Reflector Finish.

- ¹⁴ W Distribution only. Not available with O or F Trim Types.
- ¹⁵ W and WW Distributions only. Not available with O or F Trim Types.
- Will and BL Reflector Finishes only.
 Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- Top access required when specified with EM battery or when specified using LUT Control with L12 lumen package.

 20 L7 lumen package max. Not available with EM batteries.
- Also used in new construction sheetrock ceilings. Pan-less installation. Additional plenum space required for R mounting when specified with EM battery. See page 3 for REMODEL MOUNTING PLENUM RESTRICTIONS.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
 N Mounting Type only.



FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Beam angles ranging from 15° narrow to 70° wide for tailored performance
- 2" aperture is unobtrusive in small scale spaces
- Zero-flange trim options for modern ceiling
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Die-cast trim choices include flush, regressed or angled lens
- Open reflector with nine finishes complements any interior style
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms field adjust for ceiling thickness from 1/2'' - 2-3/8''.
- OPEN REFLECTOR Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM Die-cast aluminum frame with microprismatic, acrylic lens. Diffuse acrylic lens standard with A Trim Type.
- 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
- MOUNTING Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Minimum 12-1/2" O.C. marked spacing required for L12 lumen package when specified with R Mounting Type.

- LISTINGS
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for dry and damp locations. LED light assembly conforms to UL 2108 for remote installation.
 - Suitable for wet location under covered ceiling when specified with WET/CC option or F trim type.
- IC-rated for direct contact with insulation when specified with I Mounting Type
- City of Chicago Environmental Air approved when specified with CP option.
- Complies with ASTM-E283 when specified with ATH option.
- RoHS compliant.
- Complies with the Buy American Act and other federal regulations. Request certification at hew.com/buy-american
- WARRANTY 5-year limited warranty, see

FIXTURE PERFORMANCE DATA

					OPEN REFLECTOR TRIM TYPE FLU		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE		ANGLED LENS TRIM TYPE	
	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)
			W	14.8	715	48	749	50	741	50	_	-
7			M	14.8	710	48	757	51	725	49	_	_
-		000K 1800K	N	14.8	590	40	764	52	745	50	_	_
	3000K		WW	14.8	_	_	_	_	_	_	507	34
	3000		W	23.3	1239	53	1297	56	1284	55	_	_
2	1		M	23.3	1243	53	1327	57	1269	54	_	_
1			N	23.3	941	40	_	_	_	_	_	_
			WW	23.3	-	-	_	-	_	_	879	38

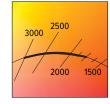
MULTIPLIER TABLES

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

Σ	WH	1.00
TRIM	CS	0.98
~	BL	0.79

BEAM ANGLE

	TRIM TYPE [2]					
	0	L	R			
W	70°	Consult Factory	50°	55°		
М	40°		30°	30°		
N	15°	ractory	20°	20°		



CONVERSION **FACTOR**

0.67

0.85

0.85

0.85

TRIM OPTIONS

CATALOG NUMBER

ΔD

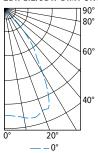
PD

WET/CC

- Distribution will also be affected, consult factory.
 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, R and A Trim Types) Reflector Finish, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- Beam angle based on O Trim Type and CS Reflector Finish.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

2DR-L12/9DW-DIM1-UNV-OW-OF-CS Report #: 13131414; 12/02/19 | Total Luminaire Output: 1239 lumens; 23.3 Watts | Efficacy: 53.1 lm/W | 95 CRI; 3000K CCT



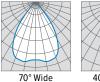
VEDTICAL ANCIE	HORIZONTAL ANGLE	ZONAL LUMENS	
	0°	ZUNAL LUMENS	
0	1076		
5	1086	79	
15	1132	183	
25	1006	218	
35	487	122	
45	63	17	
55	17	6	
65	6	2	
75	1	0	
85	0	0	
90	0		
	5 15 25 35 45 55 65 75 85	VERTICAL ANGLE 0° 0 1076 5 1086 15 1132 25 1006 35 487 45 63 55 17 65 6 75 1 85 0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
≶	0 - 40	1154	93
SN	0 - 60	1231	99
뿔	0 - 90	1239	100
3	0-180	1239	100

PHOTOMETRY CONTINUED ON NEXT PAGE



OPEN (O)



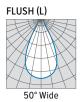


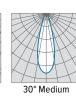


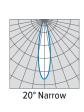
REGRESSED (R)

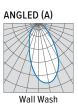












EMERGENCY BATTERY OPTIONS

Additional limitations apply, see page 1. Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/5W	5-watt emergency battery
EM/7W 7-watt emergency battery	
EM/7W/RTS	7-watt emergency battery with regressed test switch [1]
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch [2]
EM/10W	10-watt emergency battery
EM/10W/RTS	10-watt emergency battery with regressed test switch [1]
EM/10W/IPRTS	10-watt emergency battery with IP65 rated regressed test switch [2]

- Not available with WET/CC Trim Option. N Mounting Type only. Top access required. Must specify IP Trim Option. N Mounting Type only. Top access required.

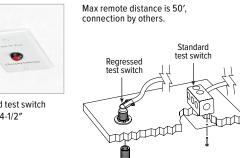
MOUNTING DETAILS

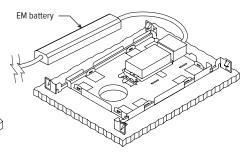


Regressed test switch ø1-3/4"



Standard test switch 2-3/4" x 4-1/2"





REMODEL MOUNTING PLENUM RESTRICTIONS

Additional plenum space required for R mounting when specified with EM battery.

CATALOG NUMBER	MINIMUM HEIGHT
EM/5W	9″
EM/7W	11"
EM/10W	12"

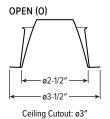
REFLECTOR FINISH DETAILS

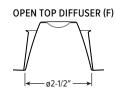
SPC	SG	PW	GD	CG	RG	CS	WH	BL
Clear specular	Satin glow	Pewter	Gold	Champagne gold	Rose gold	Clear semi-specular	White	Black

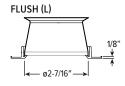


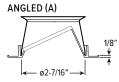
TRIM TYPE DETAILS

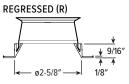
1/2" STANDARD FLANGE TYPE









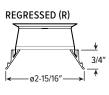


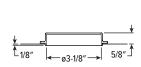
ZERO-FLANGE MUD-IN



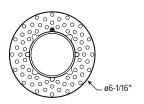
Ceiling Cutout: ø4"





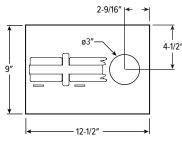


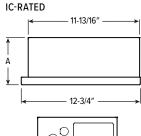
MUD FLANGE MOUNTING KIT



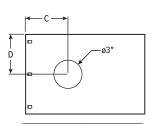
MOUNTING TYPE DETAILS



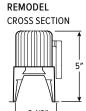


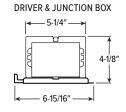






	DIM CONTROL	LUT CONTROL
Α	5″	6-1/16"
В	8-9/16"	9-1/4"
С	4-9/16"	8-3/16"
D	4-5/16"	4-5/8"



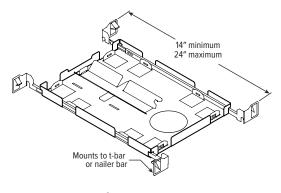


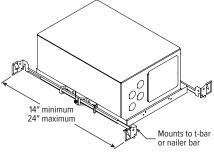
MOUNTING HARDWARE CONTINUED ON NEXT PAGE.



MOUNTING HARDWARE DETAILS

Integral 2-position fixed pan bracket, universal bar hanger included



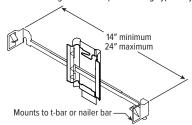


F1 with I Mounting Type

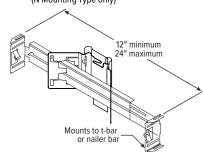
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

