



# 4DR dim to WARM 4.5" Downlight – Round

## FEATURES

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- 4 inch aperture is unobtrusive in small scale spaces
- Die-cast trim choices include flush, regressed or angled lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Sloped adapter accommodates vaulted ceilings
- Open reflector with nine finishes complements any interior
- Optional non-conductive lens for shower applications
- IP65-rated die-cast trim includes easy-to-clean flush lens
- 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" – 2-1/4".
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.
- 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>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Remodel kit option includes receiver bracket hardware.

## 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.
- IP65 rated trim when specified with IP 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](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L8	3000K	1800K	W	14.0	862	62	670	48	678	48
			M	14.0	830	59	760	54	763	55
			N	14.0	800	57	765	55	769	55
L15			W	23.4	1511	65	1175	50	1188	51
			M	23.4	1455	62	1333	57	1337	57
			N	23.4	1402	60	1242	53	1348	58
L24			W	37.7	2228	59	1925	51	1945	52
			M	37.7	2226	59	1995	53	1997	53
			N	37.7	2228	59	2197	58	2208	59

## MULTIPLIER TABLES

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG <sup>(1)</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH <sup>(1)</sup>	0.89
R TRIM	BL <sup>(1)</sup>	0.47
	WH	1.00
	CS	0.98
	BL	0.79

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
S	0.85
AD	0.85
PD	0.85
WET/CC	0.85

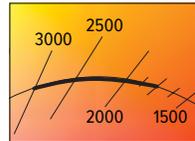
## BEAM ANGLE

	TRIM TYPE <sup>(2)</sup>			
	O	F	L	R
W	65°	60°	50°	50°
M	45°	50°	35°	30°
N	10°	25°	25°	25°

<sup>1</sup> Distribution will also be affected, consult factory.

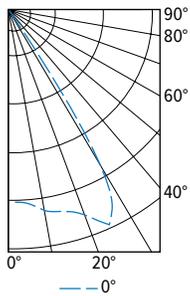
<sup>2</sup> Beam angle based on CS or WH Reflector Finish.

- Photometrics tested in accordance with IESNA LM-79. Results based on full light output, O Trim Type, W Distribution and CS Reflector Finish, 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 table to calculate additional options.



## PHOTOMETRY

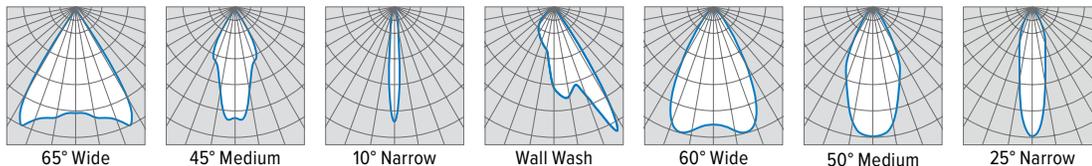
4DR-TL-L24/9DW-DIM1-UNV-OW-OF-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE		ZONAL LUMENS
	0°		
0			2011
5			198
15			617
25			1147
35			215
45			38
55			11
65			1
75			0
85			0
90			0

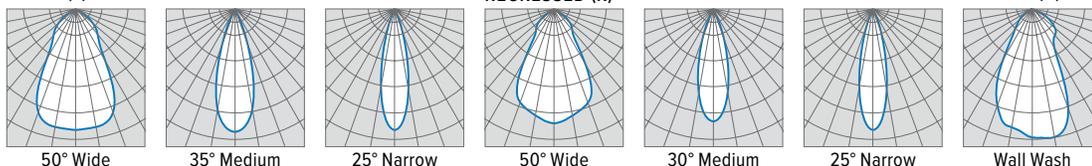
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2176	98
	0 - 60	2226	100
	0 - 90	2228	100
	0-180	2228	100

## OPEN (O)



## OPEN TOP DIFFUSER (F)

## FLUSH (L)



## REGRESSED (R)

## ANGLED (A)

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## 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/7W	7-watt emergency battery <sup>[1]</sup>
EM/7W/RTS	7-watt emergency battery with regressed test switch <sup>[2]</sup>
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch <sup>[3]</sup>
EM/10W	10-watt emergency battery <sup>[1]</sup>
EM/10W/RTS	10-watt emergency battery with regressed test switch <sup>[2]</sup>
EM/10W/IPRTS	10-watt emergency battery with IP65 rated regressed test switch <sup>[3]</sup>

- <sup>1</sup> Not available with S Trim Type or IP Trim Option.
- <sup>2</sup> Not available with S Trim Type, IP or WET/CC Trim Options.
- <sup>3</sup> Must specify IP Trim Option.

## MOUNTING DETAILS

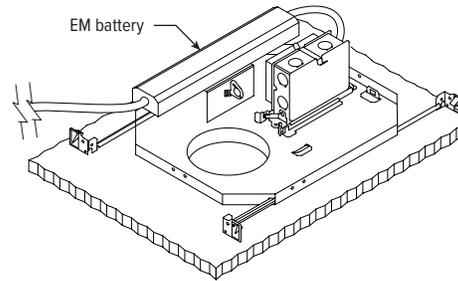
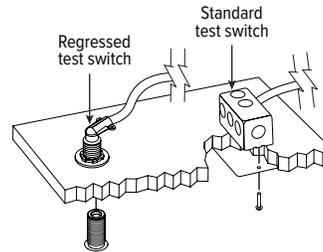


Regressed test switch  
ø1-3/4"



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

Max remote distance is 50',  
connection by others.

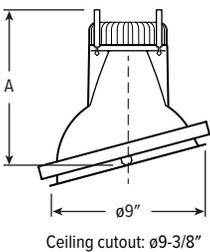


## APERTURE ADAPTOR ORDERING INFO

ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = <b>0575</b> See Kit Components for application limits.	CS Clear semi-specular powder coat
4DR 6DR			WH White texture powder coat
4DS 6DS			BL Black texture powder coat
4PR 6PR			
4PS 6PS			
8DR			

Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.  
Additional finishes available, consult factory.  
For limitations and instructions, see [hew.com/aperture-adaptor.pdf](http://hew.com/aperture-adaptor.pdf)

## SLOPED CEILING ADAPTOR DETAILS



A (HEIGHT)						PLENUM HEIGHT
5°	10°	15°	20°	25°	30°	
8-13/16"	8-15/16"	9"	8-15/16"	8-7/8"	8-11/16"	9-1/4"

15° Shown

## TRIMLOCK DETAILS

### TWIST



### PULL

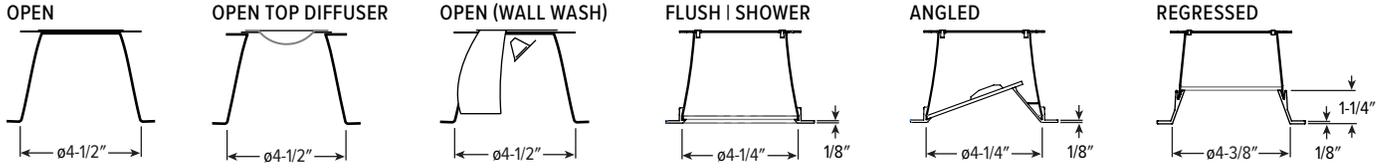


### RELEASE

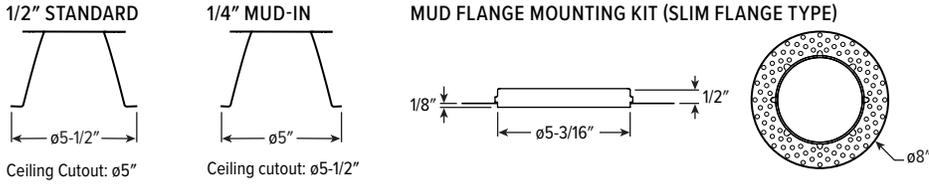


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## TRIM TYPE DETAILS



## FLANGE TYPE DETAILS



## REFLECTOR FINISH DETAILS

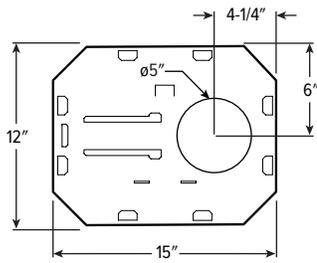


SEE NEXT PAGE FOR MOUNTING DETAILS

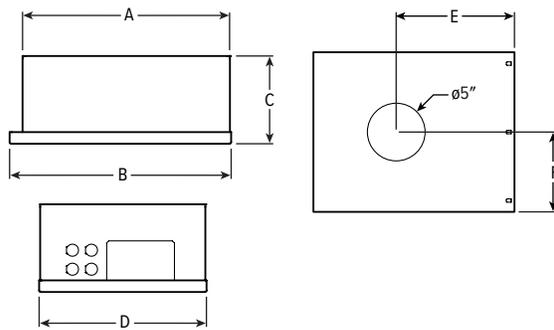
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## MOUNTING TYPE DETAILS

### NEW CONSTRUCTION

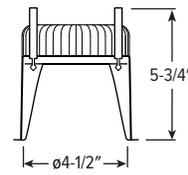


### IC-RATED

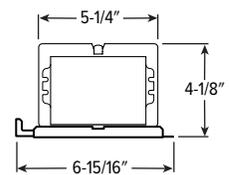


### REMODEL

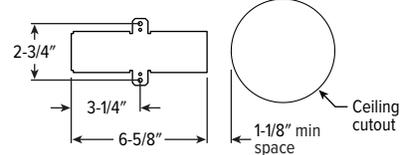
#### CROSS SECTION



#### DRIVER & JUNCTION BOX



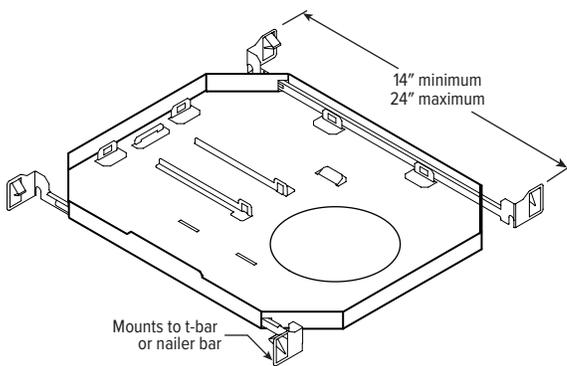
#### RECEIVER BRACKET



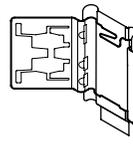
LUMENS	LENGTH					
	A	B	C	D	E	F
L8	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L15	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"

## MOUNTING HARDWARE DETAILS

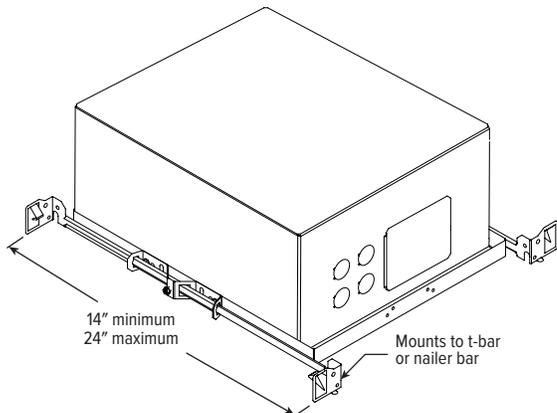
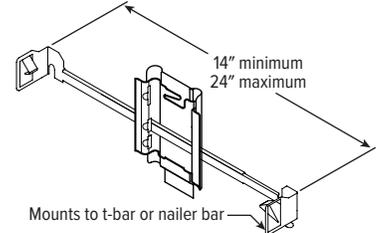
**F1** Integral 2-position fixed pan bracket, universal bar hanger included



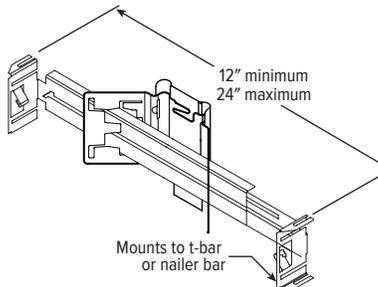
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



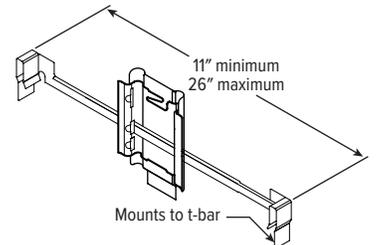
**CA1** Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



**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)



F1 with I Mounting Type

