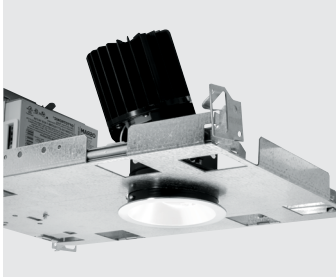
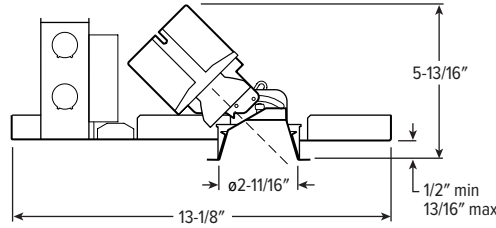


2AR dim to **WARM** 2" Adjustable Downlight – Round



NEW CONSTRUCTION AND REMODEL



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: **2AR - L7/9DW - OPTIONS - DIM1 - UNV - OW - OF - CS - TRIM OPTIONS - N - F1**

HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
2AR	L5 500lm L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 4 for EMERGENCY BATTERY OPTIONS . ATH Airtight construction ^[2] F Fuse CP Chicago plenum (CCEA) ^[3] SDT Stepdown transformer ^[4]	DIM1 1% dimming driver (0-10V signal to control dimming and CCT) LUT Lutron Ecosystem enabled ^[5]	UNV 120-277V 347 347V ^[6]

TRIM ^[7]

TRIM TYPE	DISTRIBUTION ^[8]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector L Flush lens R Regressed lens A Angled lens	W 35° Wide M 30° Medium N 20° Narrow ^[9]	OF 1/2" standard flange ZF Zero-flange mud-in ^[10]	CS Clear semi-specular anodize WH White texture powder coat BL Black texture powder coat	MWT Textured white trim flange ^[11] AD Diffuse acrylic lens ^[12] PD Diffuse 1/8" polycarbonate lens ^[13] WET/CC Wet location, covered ceiling listed ^[14] AM Anti-microbial ^[15]

MOUNTING

MOUNTING TYPE ^[16]	MOUNTING HARDWARE ^[17]
N Open pan for new construction ^[18] I IC-rated enclosure for new construction ^[19] R Remodel kit ^[20]	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[21] BA1 Adjustable butterfly pan bracket, bar hanger not included ^[22] CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[23]

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.
- I Mounting Type required.
- May be required for 347V, see product builder at hew.com/product-builder.
- N Mounting Type only, top access required.
- Not available with EM batteries or DMX Driver.
- Trim ships separately.
- Beam angle based on O Trim Type and CS Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- L5 lumen package max.
- For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for TRIM TYPE DETAILS. Not available with O Trim Type, ATH, or WET/CC options.
- Not available with L Trim Type, ZF Flange Type or WH Reflector Finish.
- W distribution only. Not available with O Trim Type.
- Not available with O Trim Type or ZF Flange Type. Not available with PD trim option.
- WH and BL Reflector Finishes only.
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 5 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- Top access required.
- L5 lumen package max. Top access required. Not available with EM batteries.
- Also used in new construction sheetrock ceilings. Pan-less installation. Not available when specified with LUT Control. Additional plenum space required for R mounting when specified with EM battery. See page 4 for REGRESSED TEST SWITCH DETAILS.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



2AR dim to WARM

2" Adjustable Downlight – Round

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Beam angles ranging from 20° narrow to 35° wide for tailored performance
- Adjustable aim with 0° - 45° tilt and 360° rotation
- 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
- Etched degree markers and directional indicator make it simple to fine-tune the illumination angle
- Die-cast trim choices include flush, regressed or angled lens

SPECIFICATIONS

- HOUSING** – Die-cast aluminum spun and stamped articulating mechanism with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2" – 13/16".
- OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, 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 > 44,000 hours. Reported L90 = 28,000 hours. Estimated L70 = 117,000 hours.
- MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. N and R mounting types for use in non-fire rated installations only. Minimum 17" O.C. marked spacing required when specified with R Mounting Type.

- LISTINGS** –
 - cSAsus 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.
 - 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/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE		ANGLED LENS TRIM TYPE	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L5 L7	3000K	1800K	W	15.1	570	38	476	32	463	31	378	25
			M	15.1	444	29	345	23	332	22	221	15
			N	15.1	460	30	402	27	395	26	294	20
			W	23.8	826	35	690	29	671	28	548	23
			M	23.8	671	28	521	22	502	21	334	14
			N	–	–	–	–	–	–	–	–	–

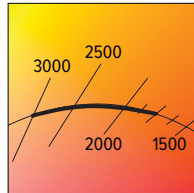
MULTIPLIER TABLES

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
WH	0.89
BL	0.47

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

BEAM ANGLE

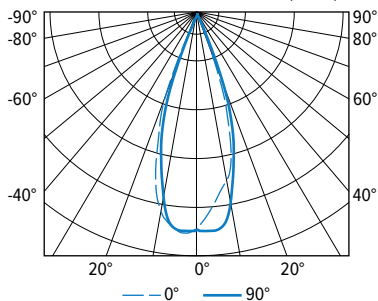
	TRIM TYPE			
	OPEN	FLUSH	REGRESSED	ANGLED
W	35°	40°	40°	35°
M	30°	30°	30°	35°
N	20°	20°	20°	25°



- Photometrics tested in accordance with IESNA LM-79. Results based on O trim type, W distribution, CS 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 Finish.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

2AR-L7/9DW-DIM1-UNV-OW-OF-CS (0° tilt) Total Luminaire Output: 826 lumens; 23.8 Watts | Efficacy: 35 lm/W | 95 CRI; 3000K CCT



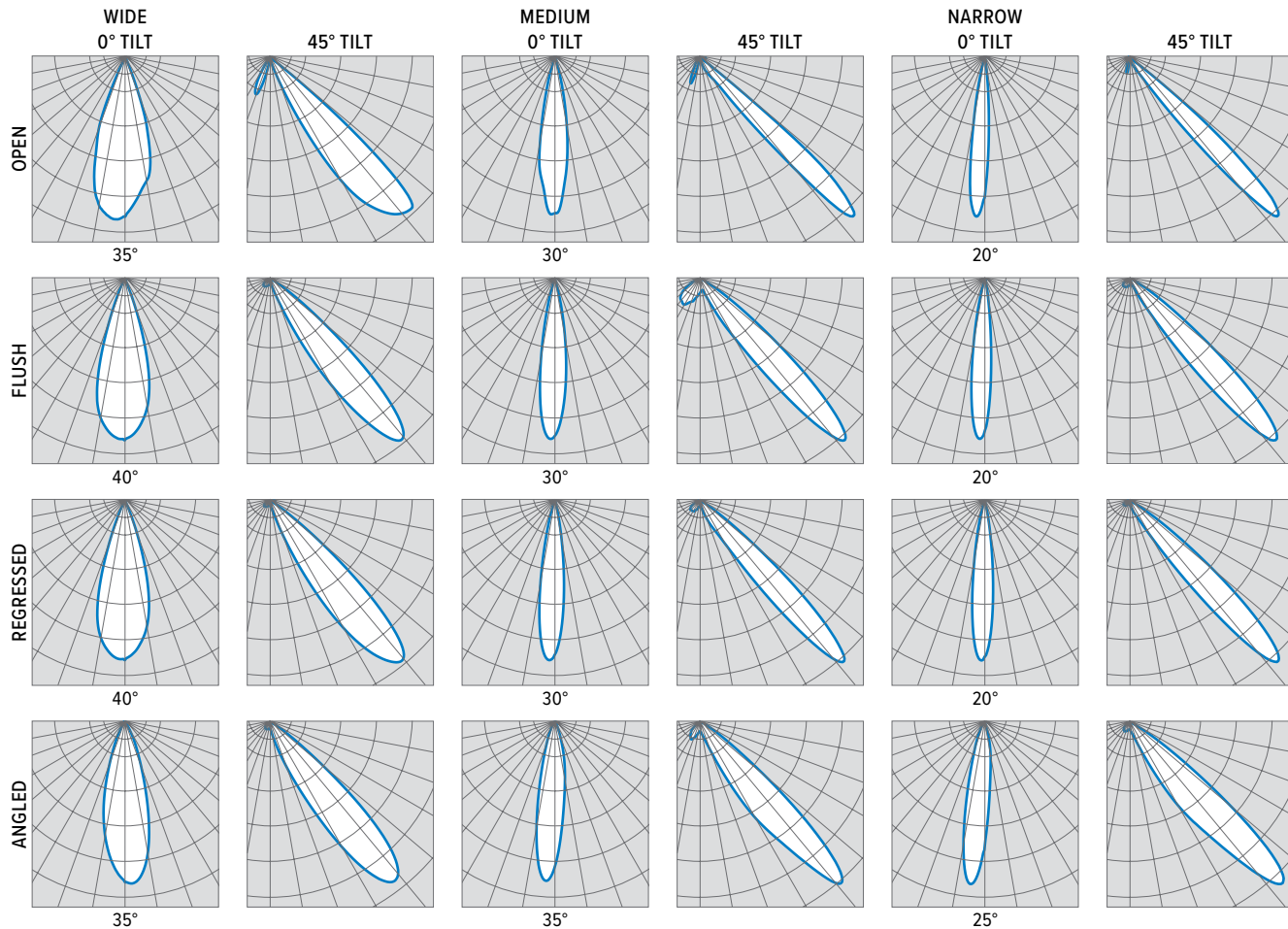
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	2418	2418	2418	2418	2418	
	5	2473	2381	2341	2313	2343	213
	15	1359	1313	1351	1377	1402	388
	25	465	408	442	434	435	205
	35	17	17	19	18	19	14
	45	3	3	6	5	5	4
	55	1	1	2	2	2	2
	65	1	0	0	1	1	1
	75	0	0	0	0	0	0
	85	0	0	0	0	0	0
	90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	806	96
	0 - 40	819	99
	0 - 60	825	100
	0 - 90	826	100
	0 - 180	826	100



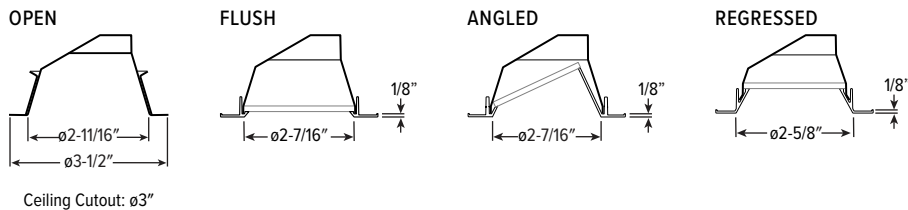
2AR dim to WARM

2" Adjustable Downlight – Round

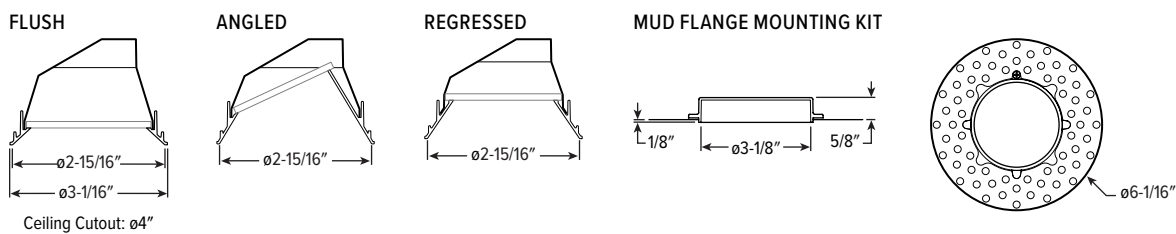


TRIM TYPE DETAILS

1/2" STANDARD FLANGE TYPE



ZERO-FLANGE MUD-IN



2AR

dim to WARM

2" Adjustable Downlight – Round

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

- ¹ Not available with WET/CC Option. N Mounting Type only. Top access required.
- ² N Mounting Type only. Top access required.

REMODEL MOUNTING DETAILS

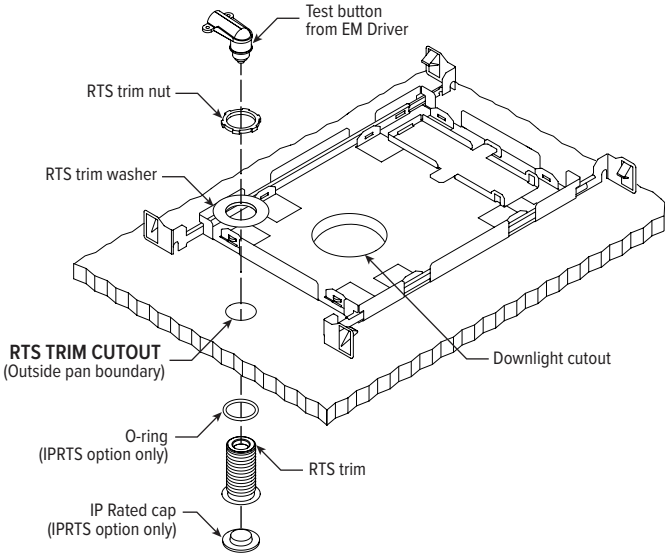
Additional plenum space required for R mounting when specified with EM battery.

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

REGRESSED TEST SWITCH DETAILS



Shown Installed



REFLECTOR FINISH DETAILS

CS
Clear semi-specular

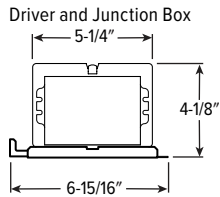
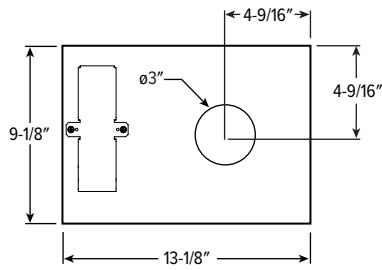
WH
White

BL
Black

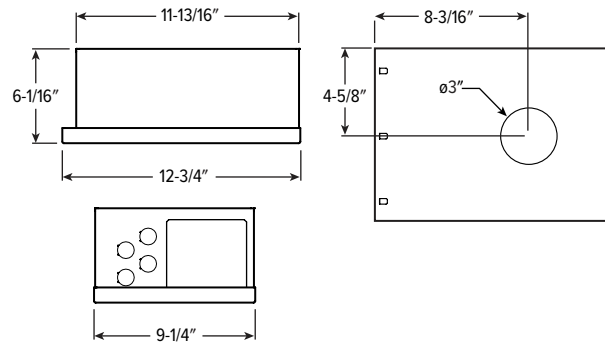
2AR dim to WARM 2" Adjustable Downlight – Round

MOUNTING TYPE DETAILS

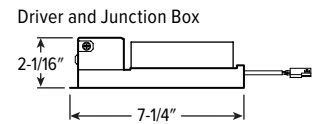
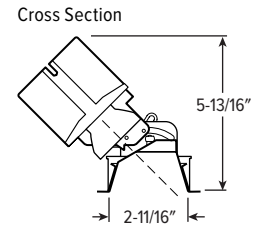
NEW CONSTRUCTION



IC-RATED

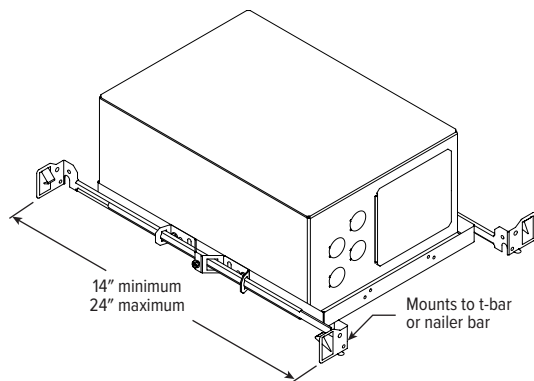
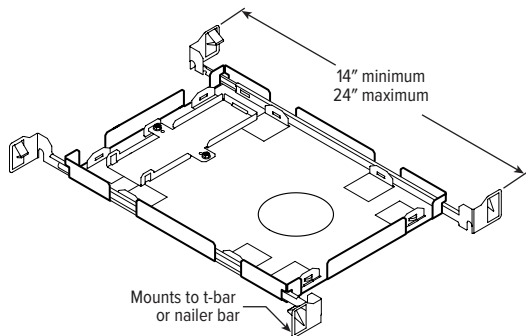


REMODEL



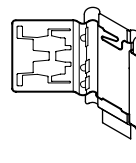
MOUNTING HARDWARE DETAILS

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

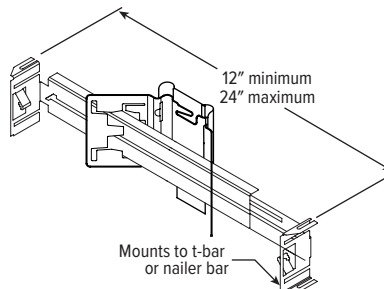


F1 with I Mounting Type

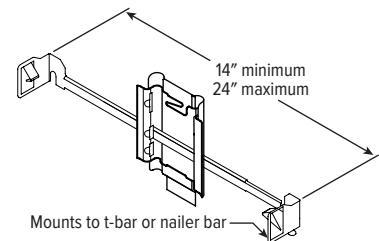
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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



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



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

