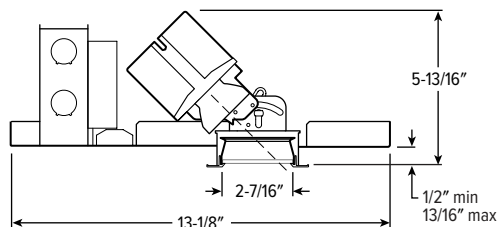
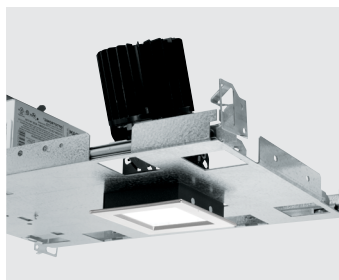


2AS dim to WARM

2" Adjustable Downlight – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL



ORDERING EXAMPLE: **2AS - L79DW - OPTIONS - DIM1 - UNV - LW - OF - CS - TRIM OPTIONS - N - F1**

HOUSING TRIM MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
2AS	L5 500lm L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 3 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
L Flush lens	W 40° Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	AD Diffuse acrylic lens ^[11]
R Regressed lens	M 30° Medium	ZF Zero-flange mud-in ^[10]	WH White texture powder coat	PD Diffuse 1/8" polycarbonate lens
	N 20° Narrow ^[9]		BL Black texture powder coat	WET/CC Wet location, covered ceiling listed ^[12]
				AM Anti-microbial ^[13]

MOUNTING

MOUNTING TYPE ^[14]	MOUNTING HARDWARE ^[15]
N Open pan for new construction ^[16]	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[19]
I IC-rated enclosure for new construction ^[17]	BA1 Adjustable butterfly pan bracket, bar hanger not included ^[20]
R Remodel kit ^[18]	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[21]

NOTES

- ¹ Lumen output based on L trim type, W distribution and WH finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² I Mounting Type required.
- ³ I Mounting Type required.
- ⁴ May be required for 347V, see product builder at hew.com/product-builder.
- ⁵ N Mounting Type only, top access required.
- ⁶ Not available with EM batteries or DMX Driver.
- ⁷ Trim ships separately.
- ⁸ Beam angle based on L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- ⁹ L5 lumen package max.
- ¹⁰ For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 4 for TRIM TYPE DETAILS. Not available with ATH or WET/CC options.
- ¹¹ W distribution only.

- ¹² Not available with PD trim option.
- ¹³ WH and BL Reflector Finishes only.
- ¹⁴ Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹⁵ Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- ¹⁶ Top access required.
- ¹⁷ L5 lumen package max. Top access required. Not available with EM batteries.
- ¹⁸ 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 3 for REGRESSED TEST SWITCH DETAILS.
- ¹⁹ N and I Mounting Types only. I Mounting requires external brackets.
- ²⁰ N Mounting Type only.
- ²¹ N Mounting Type only.



2AS dim to WARM

2" Adjustable Downlight – Square

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Beam angles ranging from 20° narrow to 40° 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 or regressed lens
- Square shape accentuates architectural styles

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".
- 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 > 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** –
 - 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.
 - 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	FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
						DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L5	3000K	1800K		W	15.1	528	35	532	35
				M	15.1	463	31	456	30
				N	15.1	457	30	457	30
				W	23.8	766	32	771	32
				M	23.8	700	29	690	29
L7				N	–	–	–	–	–

- Photometrics tested in accordance with IESNA LM-79. Results based on L trim type, W distribution, WH finish, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- Beam angle based on L Trim Type and WH Reflector Finish.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

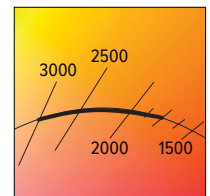
MULTIPLIER TABLES

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
WH	1.00
CS	0.98
BL	0.79

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

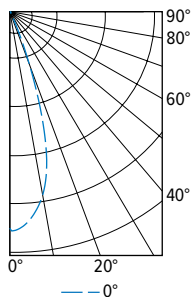
BEAM ANGLE

	TRIM TYPE	
	FLUSH	REGRESSED
W	40°	40°
M	30°	30°
N	20°	20°



PHOTOMETRY

2AS-L7/9DW-DIM1-UNV-LW-OF-WH 0° TILT Total Luminaire Output: 766 lumens; 23.8 Watts | Efficacy: 32 lm/W | 95 CRI; 3000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	2243	
	5	2293	197
	15	1260	360
	25	431	190
	35	16	13
	45	2	4
	55	1	1
	65	1	0
	75	0	0
	85	0	0
	90	0	

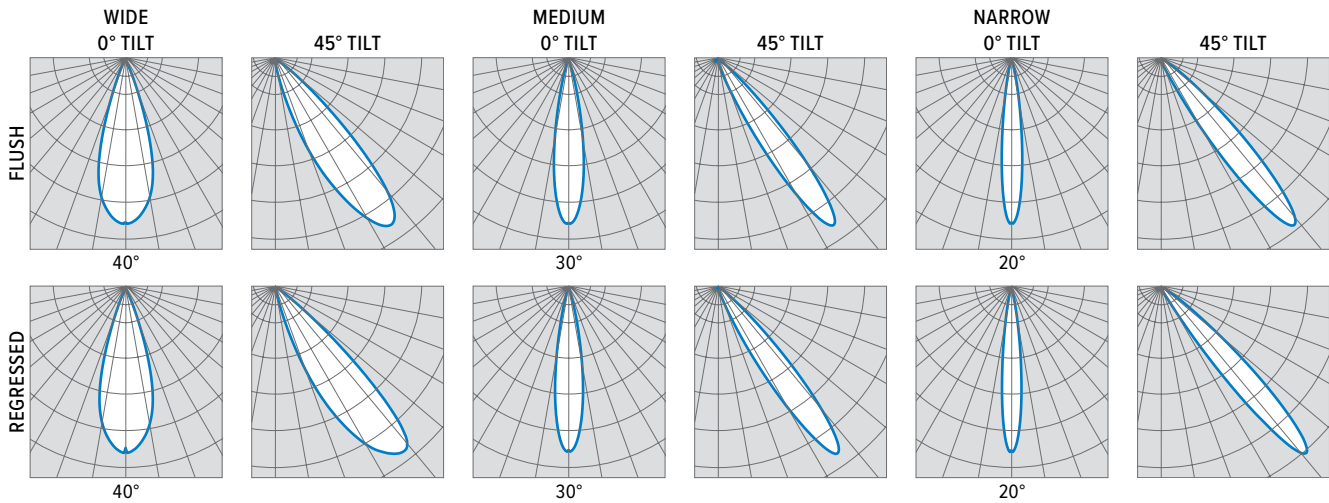
	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	760	99
	0 - 60	765	100
	0 - 90	766	100
	0-180	766	100



2AS

dim to WARM

2" Adjustable Downlight – Square



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

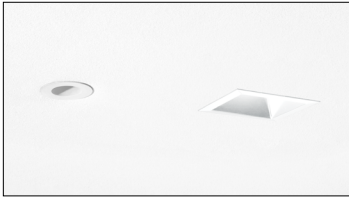
¹ Not available with WET/CC Option. N Mounting Type only. Top access required.
² N Mounting Type only. Top access required.

REMODEL MOUNTING DETAILS

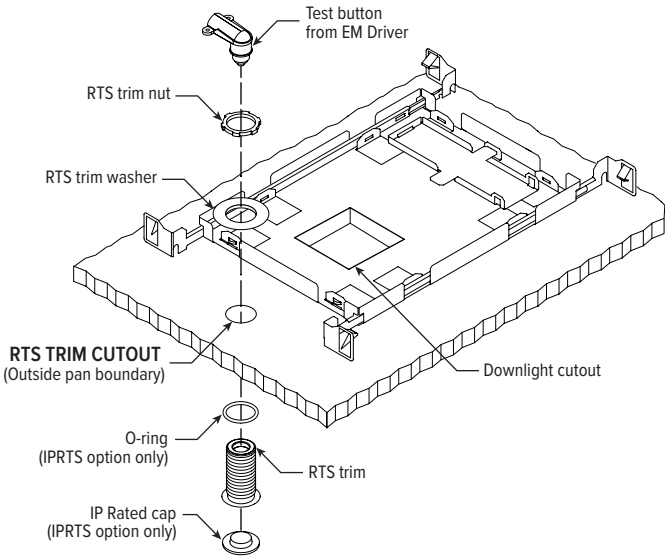
Additional plenum space required for R mounting when specified with EM battery.

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

REGRESSED TEST SWITCH DETAILS



Shown Installed



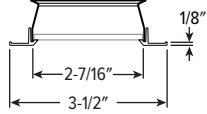
2AS dim to WARM

2" Adjustable Downlight – Square

TRIM TYPE DETAILS

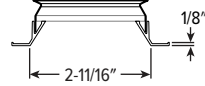
1/2" STANDARD FLANGE TYPE

FLUSH



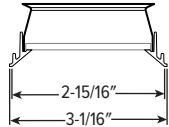
Ceiling Cutout: 3"

REGRESSED



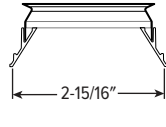
ZERO-FLANGE MUD-IN

FLUSH

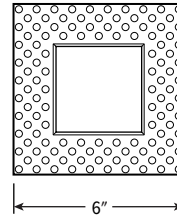
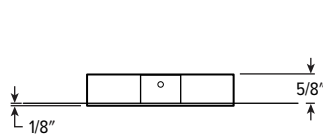


Ceiling Cutout: 3-1/2"

REGRESSED



MUD FLANGE MOUNTING KIT



REFLECTOR FINISH DETAILS

CS

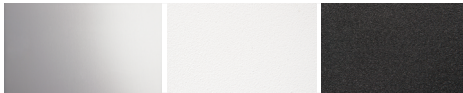
Clear semi-specular

WH

White

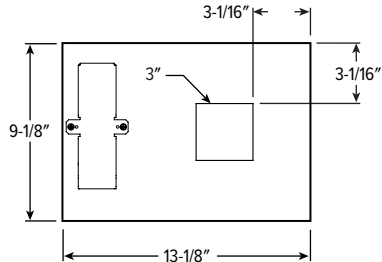
BL

Black

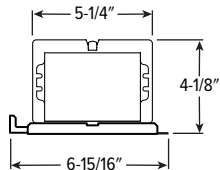


MOUNTING TYPE DETAILS

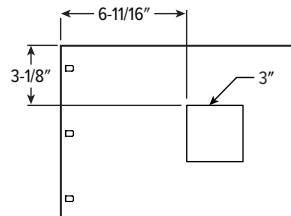
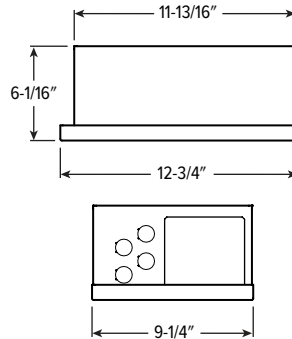
NEW CONSTRUCTION



Driver and Junction Box

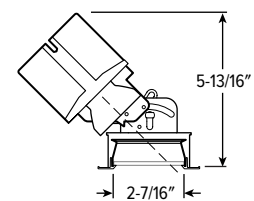


IC-RATED

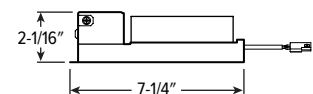


REMODEL

Cross Section



Driver and Junction Box

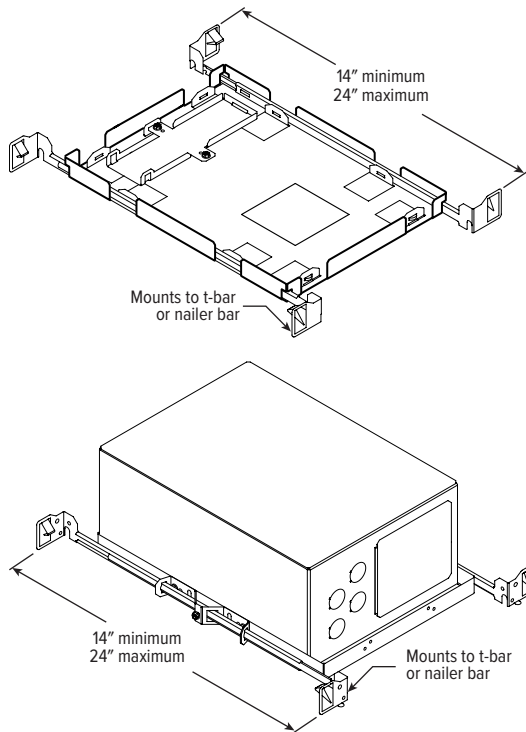


2AS dim to WARM

2" Adjustable Downlight – Square

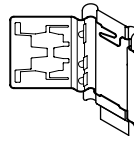
MOUNTING HARDWARE DETAILS

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

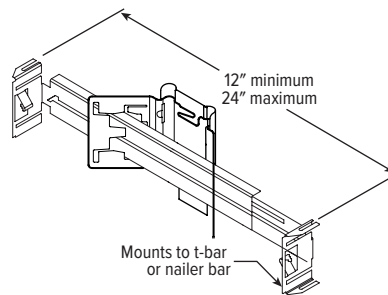


F1 with I Mounting Type

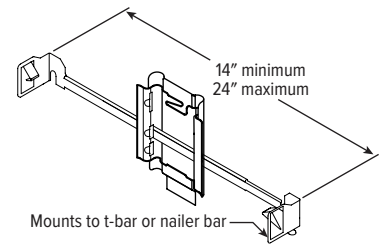
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

