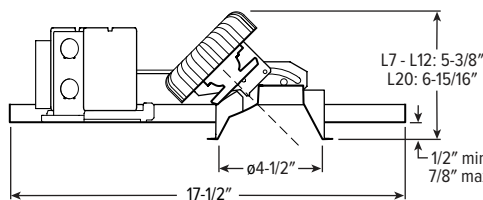


4AR dim to **WARM** 4.5" Adjustable Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 4AR - L20/9DW - OPTIONS - DIM1 - UNV - OW - OF - CS - TRIM OPTIONS - N - F1



HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
4AR	L7 700lm L12 1,200lm L20 2,000lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 3 for EMERGENCY BATTERY OPTIONS. ATH Airtight construction ^[2] CP Chicago plenum (CCEA) ^[3] F Fuse kit 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	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector L Flush lens A Angled lens	See page 2 for BEAM ANGLE. W Wide M Medium N Narrow ^[8]	OF 1/2" standard flange SF 1/4" mud-in flange ^[9]	Open trim types CS Clear semi-specular 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	MWT Smooth matte white trim flange ^[10] AD Diffuse acrylic lens ^[11] PD Diffuse 1/8" polycarbonate lens ^[12] WET/CC Wet location, covered ceiling listed ^[13] AM Anti-microbial ^[14]

MOUNTING

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

NOTES

¹ Lumen output based on full light output, O Trim Type, N Distribution and CS Reflector 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 Not available with R Mounting. May be required for 347V, see product builder at hew.com/product-builder

⁵ Not available with I Mounting Type.

⁶ Not available with EM batteries.

⁷ Trim ships separately.

⁸ L and A Trim Types only.

⁹ For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for FLANGE TYPE DETAILS. Not available with ATH Option.

¹⁰ Not available with WH Reflector Finish or L Trim Type.

¹¹ L and A Trim Types only. W Distribution only.

¹² L and A Trim Types only. W Distribution only.

¹³ L and A Trim Types only.

¹⁴ WH and BL Reflector Finishes only.

¹⁵ Mounting Hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING HARDWARE DETAILS.

¹⁶ Additional mounting hardware options available. See page 4 for MOUNTING TYPE DETAILS.

¹⁷ L7 and L12 lumen packages only. Not available with EM batteries.

¹⁸ Also used in new construction sheetrock ceilings. Pan-less installation.

¹⁹ N and I Mounting Types only. Universal bar hanger ships uninstalled. I Mounting requires external brackets.

²⁰ N Mounting Type only.

²¹ N Mounting Type only.



4AR dim to **WARM** 4.5" Adjustable Downlight – Round

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Adjustable aim with 0° - 45° tilt and 360° rotation
- Beam angles ranging from 25° narrow to 45° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Choice of open reflector or die-cast lensed trims to complement interior style
- Etched degree markers and directional indicator make it simple to fine-tune the illumination angle
- Spring clip retention system eliminates trim sag
- Fully room-side accessible
- Made Right Here® in the USA

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" - 7/8".
- 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. N and R mounting types for use in non-fire rated installations only.

- 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/buy-american
- WARRANTY** – 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	466	3000K	1800K	14.0	33
	M	648			14.0	46
	N	–			–	–
L12	W	818			23.4	35
	M	1136			23.4	49
	N	–			–	–
L20	W	1339			37.7	36
	M	1860			37.7	49
	N	–			–	–

FLUSH LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	462	3000K	1800K	14.0	33
	M	625			14.0	45
	N	656			14.0	47
L12	W	811			23.4	35
	M	1096			23.4	47
	N	1149			23.4	49
L20	W	1327			37.7	35
	M	1796			37.7	48
	N	1882			37.7	50

MULTIPLIER TABLES

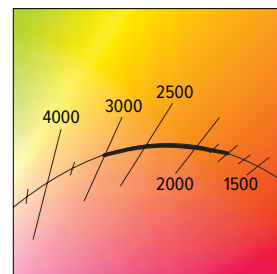
OPEN REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
WH	0.89
BL	0.79

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD ⁽¹⁾	0.85
PD ⁽¹⁾	0.85

ANGLED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	330	3000K	1800K	14.0	24
	M	483			14.0	35
	N	586			14.0	42
L12	W	578			23.4	25
	M	846			23.4	36
	N	1027			23.4	44
L20	W	947			37.7	25
	M	1386			37.7	37
	N	1682			37.7	45

- Distribution will also be affected, consult factory.
- Beam angle based on CS or WH Reflector Finish.
 - Photometrics tested in accordance with IESNA LM-79. Results based on full light output, 0° Trim Type, CS Reflector Finish, 0° tilt, N 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.

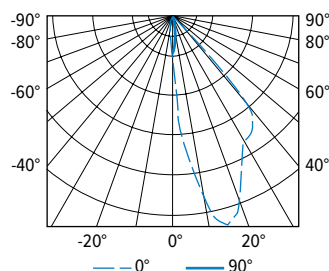


BEAM ANGLE

TRIM TYPE ⁽²⁾			
	O	L	A
W	45°	40°	30°
M	30°	30°	25°
N	–	25°	25°

PHOTOMETRY

4AR-L20/9DW-DIM1-UNV-OW-OF-CS (25° tilt) Total Luminaire Output: 1355 lumens; 37.7 Watts | Efficacy: 35.9 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	788	788	788	788	788	
5	2389	1675	653	270	195	97
15	4321	2360	253	61	40	319
25	3255	2150	64	17	15	425
35	2817	991	12	8	11	399
45	582	30	5	4	3	112
55	6	0	0	0	3	2
65	1	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	0	0	0	0	0	0

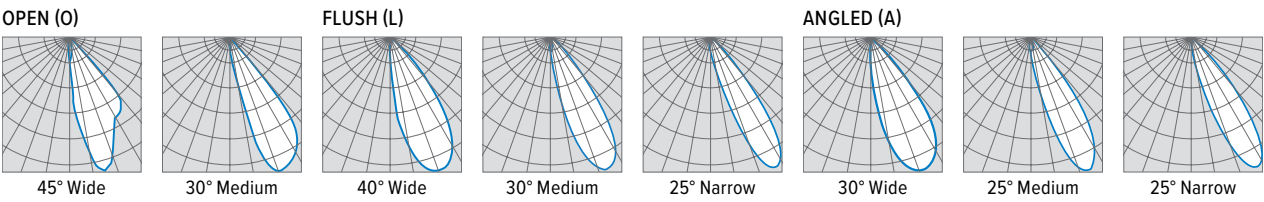
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1240	92
	0 - 60	1354	100
	0 - 90	1355	100
	0 - 180	1355	100

PHOTOMETRY CONTINUED ON NEXT PAGE



4AR dim to **WARM**

4.5" Adjustable Downlight – Round



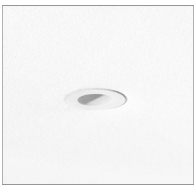
EMERGENCY BATTERY OPTIONS

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

CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery
EM/7W/RTS	7-watt emergency battery with regressed test switch ¹
EM/10W	10-watt emergency battery
EM/10W/RTS	10-watt emergency battery with regressed test switch ¹

¹ Not available with WET/CC Trim Option.

MOUNTING DETAILS

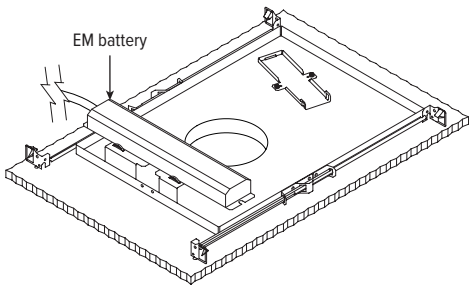
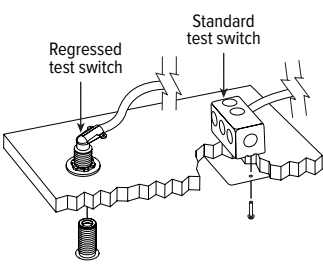


Regressed test switch
ø1-3/4"



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

Max remote distance is 50',
connection by others.



APERTURE ADAPTOR ORDERING INFO

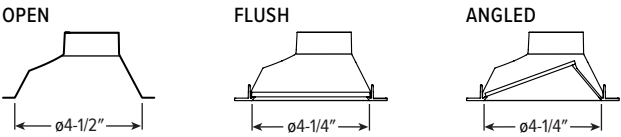
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR 4DR 6DR 4DS 6DS 4PR 6PR 4PS 6PS 8DR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575 See Kit Components for application limits.	CS Clear semi-specular powder coat WH White texture powder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

Adaptor (goof ring) corrects ceiling
cutout errors during remodel
downlight installation.

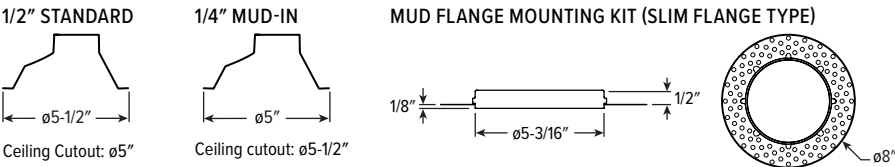
Additional finishes available,
consult factory.

For limitations and instructions, see
hew.com/aperture-adaptor.pdf

TRIM TYPE DETAILS



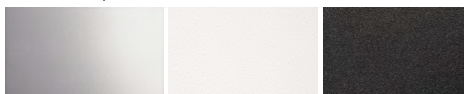
FLANGE TYPE DETAILS



4AR dim to **WARM** 4.5" Adjustable Downlight – Round

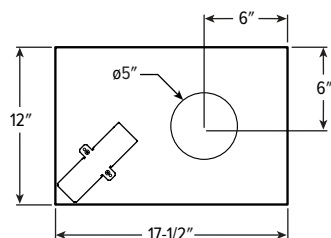
REFLECTOR FINISH DETAILS

CS Clear semi-specular
WH White
BL Black

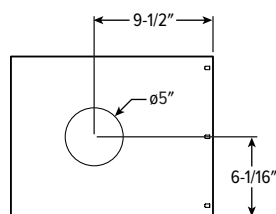
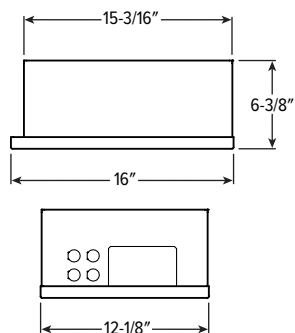


MOUNTING TYPE DETAILS

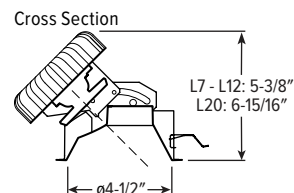
NEW CONSTRUCTION



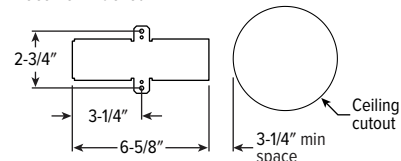
IC-RATED



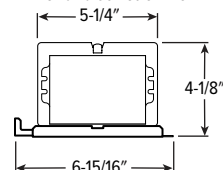
REMODEL



Receiver Bracket

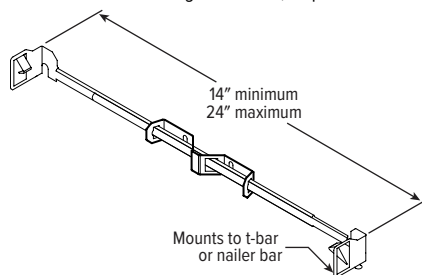


Driver and Junction Box

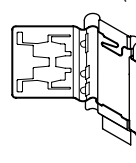


MOUNTING HARDWARE DETAILS

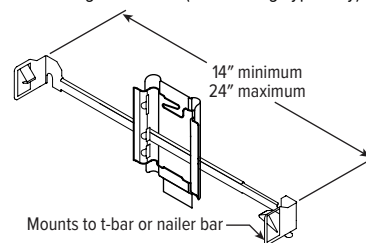
F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled



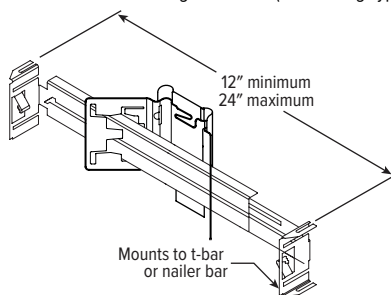
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



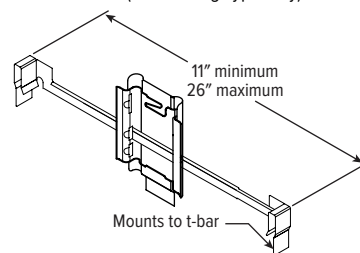
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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

