4AR tunable WHITE
4.5" Adjustable Downlight – Round

Williams

5-3/8"

ø4-1/2"

1/2" min
7/8" max

17-1/2"

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

BUY AMERICAN ACT COMPLIANT • CCEA Approved • Low UGR • WET/CC

ORDERING EXAMPLE: 4AR - L11/8TW - OPTIONS - CONTROL/DIM - UNV - OW - OF - CS - TRIM OPTIONS - N - F1

— HOUSING — | — TRIM — | MOUNT.

HOUSING

SERIES	LUMENS [1]	COLOR	OPTIONS	CONTROL	DRIVER	VOLTAGE
4AR	L11 1,100lm L16 1,600lm	8TW Tunable white (80 CRI, 2700K-5000K)	*See page 3 for EMERGENCY BATTERY OPTIONS.* *See page 3 for APERTURE ADAPTOR ORDERING INFO.* ATH Airtight construction [2] CP Chicago plenum (CCEA) [3] F Fuse kit	– None AWNR Lutron Athena wireless node integral fixture control, RF only [4]	*See page 3 for DRIVER DETAILS.* DALI Driver prewired for DALI applications DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT DMX Driver prewired for DMX applications LD2 Lutron DALI-2 digital driver, 1% [5]	UNV 120-277V

TRIM [6]

TRIM TYPE	DISTRIBUTION	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector L Flush lens A Angled lens	W Wide M Medium N Narrow [7]	OF 1/2" standard flange SF 1/4" mud-in flange [8]	**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 [9] AD Diffuse acrylic lens [10] PD Diffuse 1/8" polycarbonate lens [11] 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 I IC-rated enclosure for new construction [16] R Remodel kit [17]	F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included [18] BA1 Adjustable butterfly pan bracket, bar hanger not included [19] CA1 Adjustable caterpillar pan bracket, universal bar hanger included [20]

NOTES

1 Lumen output based on O Trim Type, M Distribution and CS Reflector Finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
2 I Mounting Type required.
3 I Mounting Type required.
4 LD2 Driver only.
5 Not available with I Mounting Type.
6 Trim ships separately.
7 L and A Trim Types only.
8 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.
9 Not available with WH Reflector Finish or L Trim Type.
10 L and A Trim Types only. W Distribution only.
11 L and A Trim Types only. W Distribution only.
12 L and A Trim Types only.
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 4 for MOUNTING HARDWARE DETAILS.
16 Not available with EM batteries.
17 Also used in new construction sheet rock ceilings. Pan-less installation.
18 N and I Mounting Types only. Universal bar hanger ships uninstalled. I Mounting Type requires external brackets.
19 N Mounting Type only.
20 N Mounting Type only.

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Downlights
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4AR tunable WHITE
4.5" Adjustable Downlight – Round

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available
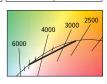- Made Right Here® in the USA

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 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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

	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		ANGLED LENS TRIM TYPE	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L11	W	14.6	713	49	710	49	506	35
L11	M	14.6	990	68	960	66	741	51
L11	N	14.6	–	–	965	66	900	62
L16	W	24.0	1231	51	1266	53	923	39
L16	M	24.0	1652	69	1650	69	1261	53
L16	N	24.0	–	–	1643	69	1416	59

MULTIPLIER TABLES

COLOR TEMPERATURE

CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

OPEN REFLECTOR FINISH

CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
WH	0.89
BL	0.79
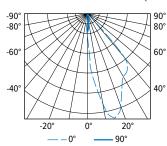
TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
AD [1]	0.85
PD [1]	0.85

BEAM ANGLE

TRIM TYPE [2]			
	O	L	A
W	45°	40°	30°
M	30°	30°	25°
N	–	25°	25°

1. Distribution will also be affected, consult factory.
2. Beam angle based on CS or WH Reflector Finish.
- Photometrics tested in accordance with IESNA LM-79. Results based on O Trim Type, CS Reflector Finish, 0° tilt, M Distribution, 80 CRI/4000K 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.

PHOTOMETRY

4AR-L11/8TW-DIM-UNV-OW-OF-CS (25° tilt) Total Luminaire Output: 778 lumens; 14.6 Watts | Efficacy: 53.3 lm/W | 80 CRI; 4037K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	452	452	452	452	452	
5	1372	962	375	155	112	56
15	2482	1356	145	35	23	183
25	1869	1235	37	10	8	244
35	1618	569	7	4	6	229
45	334	17	3	2	2	64
55	3	0	0	0	2	1
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	483	62
	0 - 60	712	91
	0 - 90	778	100
	0 - 180	778	100

OPEN (O)

45° Wide

30° Medium

FLUSH (L)

40° Wide

30° Medium

25° Narrow

ANGLED (A)

30° Wide

25° Medium

25° Narrow

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4AR tunable WHITE
4.5" Adjustable Downlight – Round

DRIVER DETAILS

DIM
DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI
DALI +
DALI -
Fixture 1

DMX
RJ45 Ports
(IN/OUT)
Fixture
(Master)

LD2
DA +
DA -
Fixture 1

EMERGENCY BATTERY OPTIONS

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

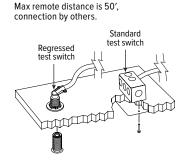| CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery
EM/7W/RTS	7-watt emergency battery with regressed test switch [1]
EM/10W	10-watt emergency battery
EM/10W/RTS	10-watt emergency battery with regressed test switch [1]

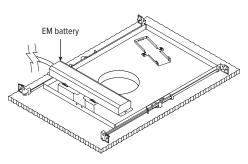**1** Not available with WET/CC Trim Option.

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.

Regressed test switch

Standard test switch

EM battery

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
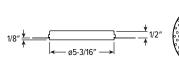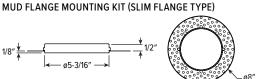
TRIM TYPE DETAILS

OPEN
ø4-1/2"

FLUSH
ø4-1/4"

ANGLED
ø4-1/4"

FLANGE TYPE DETAILS

1/2" STANDARD
ø5-1/2"
Ceiling Cutout: ø5"

1/4" MUD-IN
ø5"
Ceiling cutout: ø5-1/2"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)
1/8"
1/2"
ø5-3/16"
ø8"
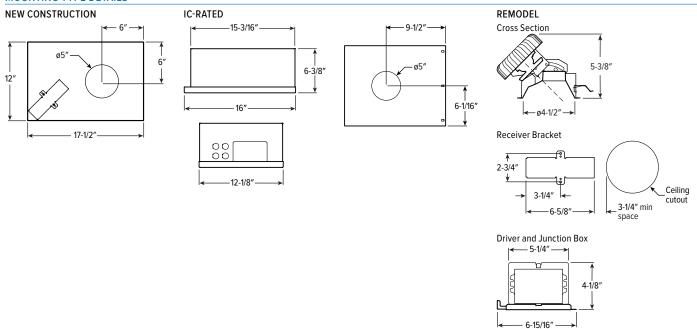
REFLECTOR FINISH DETAILS

CS
Clear semi-specular

WH
White

BL
Black

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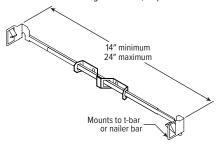
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MOUNTING TYPE DETAILS

NEW CONSTRUCTION

IC-RATED

REMODEL

Cross Section

Receiver Bracket

Driver and Junction Box

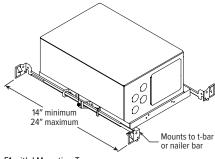## MOUNTING HARDWARE DETAILS

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

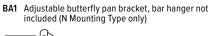
14" minimum
24" maximum

Mounts to t-bar or nailer bar

14" minimum
24" maximum

Mounts to t-bar or nailer bar

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)

12" minimum
24" maximum

Mounts to t-bar or nailer bar

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

14" minimum
24" maximum

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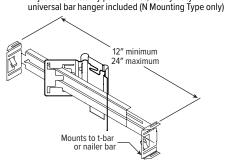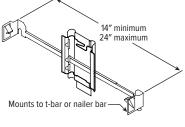
CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

11" minimum
26" maximum

Mounts to t-bar

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