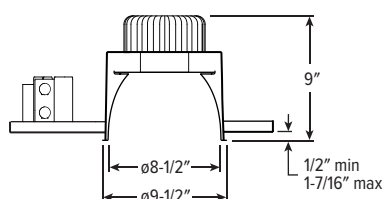
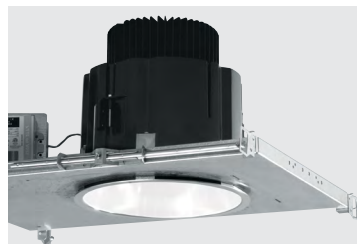


8DR^{LED} 8" Downlight – Round



L20 – L40 Lumens shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL



ORDERING EXAMPLE: 8DR - L60/835 - OPTIONS - CONTROL/DIM - 120 - OW - CS - TRIM OPTIONS - N - BA1

HOUSING

TRIM

MOUNT.

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	OPTIONS	CONTROL	DRIVER	VOLTAGE
8DR	L20 2,000lm	80	27 2700K	See page 3 for EMERGENCY BATTERY OPTIONS.	See page 5 for ADDITIONAL CONTROL/DRIVER OPTIONS.	See page 5 for ADDITIONAL CONTROL/DRIVER OPTIONS.	120 120V
	L40 4,000lm	90	30 3000K				277 277V
	L60 6,000lm		35 3500K	SCA_ Sloped ceiling adaptor ^[2]	None	DIM Dimming driver, 0-10V	347 347V ^[8]
	L80 8,000lm		40 4000K	ATH Airtight construction	AVI-LVFA Avi-on wireless fixture control ^[5]	DIM1 1% Dimming driver, 0-10V	
			50 5000K	F Fuse	AWNR Lutron Athena wireless node integral fixture control, RF only ^[6]	DA Driver with 12V auxiliary power, without external dimming wires ^[7]	
				CP Chicago plenum (CCEA) ^[3]			
				SDT Stepdown transformer ^[4]			
				TC Adjustable mounting arms for 1-1/2" - 2-1/4" thick ceilings			

TRIM^[9]

TRIM TYPE	DISTRIBUTION ^[10]	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W 65° Wide	CS Clear semi-specular anodize	MWT Smooth matte white trim flange ^[11]
	M 45° Medium	SG Satin-glow anodize	WET/CC Wet location, covered ceiling listed
	N 35° Narrow	GD Gold anodize	AM Anti-microbial ^[12]
		CG Champagne gold anodize	
		PW Pewter anodize	
		SPC Clear specular anodize	
		RG Rose gold anodize	
		WH White texture powder coat	
		BL Black texture powder coat	

MOUNTING

MOUNTING TYPE^[13]

- N Open pan for new construction
- I IC-rated enclosure for new construction^[15]
- R Remodel kit^[16]

MOUNTING HARDWARE^[14]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included^[17]
- BA1 Adjustable butterfly pan bracket, bar hanger not included^[18]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included^[19]

NOTES

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Higher lumen packages available, consult factory.
- 14" aperture, specify degrees of slope in 5° increments, 05°-30°. See page 3 for SLOPED CEILING ADAPTOR DETAILS. N Mounting Type only. Not available with ATH or WET/CC Options. Painted white. Other colors available, consult factory.
- I Mounting Type required.
- May be required for 347V, see product builder at hew.com/product-builder

- DA Driver only. See page 5 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- DA Driver only.
- Avi-on and Lutron Athena Controls only.
- Not available with EM batteries, DA or DMX Drivers.
- Trim ships separately.
- Beam angle based on CS or WH Reflector Finish. See page 2 for FIXTURE PERFORMANCE DATA.
- Not available with WH Reflector Finish.
- WH and BL Reflector Finishes only.
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.

- Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- L20 lumen package max. Not available with EM batteries.
- Also used in new construction sheetrock ceilings. Pan-less installation.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



8DR^{LED} 8" Downlight – Round

FEATURES

- High-output illumination for tall ceiling applications
- Beam angles ranging from 35° narrow to 65° wide for tailored performance
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Open reflector with 9 finishes to complement any interior style
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Sloped adapter accommodates vaulted ceilings
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses
- Fully room-side accessible
- Wireless in-fixture control solutions available
- 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" – 1-7/16". See Options for additional ceiling thicknesses.
- OPEN REFLECTOR** – Low-iridescent anodized aluminum with 1/2" flange. Clear semi-specular finish standard.
- 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. Minimum 24" O.C. marked spacing required for L60 - L80 lumen packages.
- 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

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L20	W	2010	24.3	83
	M	1991	24.3	82
	N	1824	24.3	75
L40	W	4005	46.4	86
	M	3966	46.4	86
	N	3634	46.4	78
L60	W	6000	71.9	83
	M	5943	71.9	83
	N	5444	71.9	76
L80	W	8007	95.1	84
	M	7931	95.1	83
	N	7265	95.1	76

MULTIPLIER TABLES

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.92
3000K	0.98
3500K	1.00
4000K	1.01
5000K	1.02

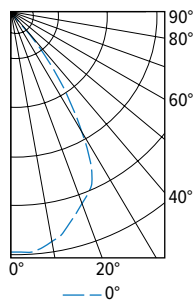
80 CRI	
2700K	0.76
3000K	0.79
3500K	0.82
4000K	0.84
5000K	0.88

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG ^[1]	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH ^[1]	0.89
BL ^[1]	0.47

- ¹ Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on O Trim Type, W Distribution, CS Reflector Finish, 80 CRI/3500K CCT, 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.

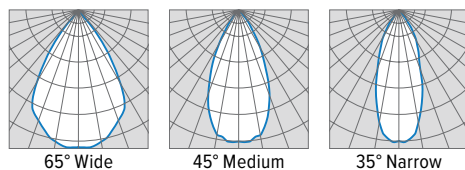
PHOTOMETRY

8DR-L60/835-OW-CS Total Luminaire Output: 6000 lumens; 71.9 Watts | Efficacy: 83 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE		ZONAL LUMENS
	0°		
0	5866		
5	5903		554
15	5382		1514
25	4655		2084
35	2299		1432
45	359		330
55	48		46
65	24		24
75	12		12
85	3		3
90	0		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	5585	93
	0 - 60	5960	99
	0 - 90	6000	100
	0 - 180	6000	100



REFLECTOR FINISH DETAILS

SPC Clear specular	SG Satin glow	PW Pewter	GD Gold	CG Champagne gold	RG Rose gold	CS Clear semi-specular	WH White	BL Black



8DR LED

8" Downlight – Round

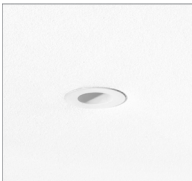
EMERGENCY BATTERY OPTIONS

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.

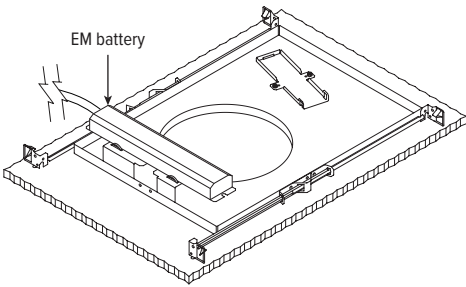
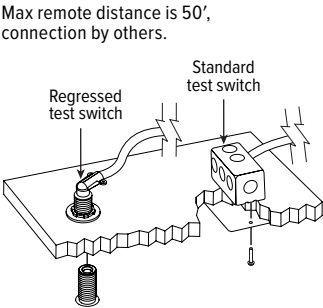
MOUNTING DETAILS



Regressed test switch
ø1-3/4"



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



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

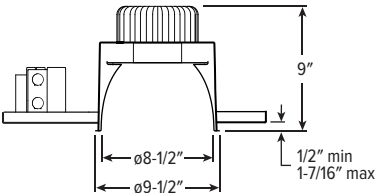
Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.

Additional finishes available, consult factory.

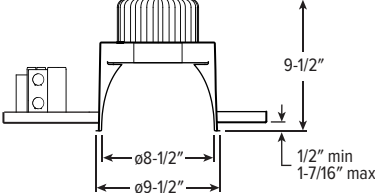
For limitations and instructions, see hew.com/aperture-adaptor.pdf

CROSS SECTIONS

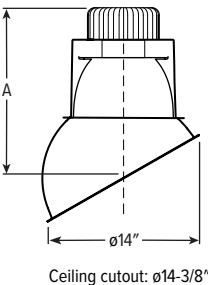
L20 – L40 LUMENS



L60 – L80 LUMENS



SLOPED CEILING ADAPTOR DETAILS



LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
L20 - L40	13-5/16"	13-3/8"	13-5/16"	13-3/16"	13"	12-5/8"	13-3/4"
L60 - L80	14-3/4"	14-13/16"	14-3/4"	14-5/8"	14-5/16"	14"	15"

30° Shown



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

REV.01/10/25.JL

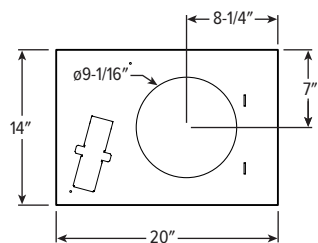
Downlights
Page 3 of 5

8DR^{LED} 8" Downlight – Round

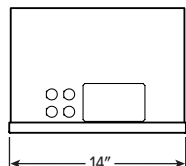
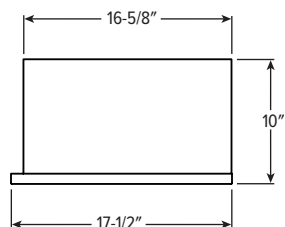
MOUNTING TYPE DETAILS

Ceiling cutout 9-1/16" for all mounting types.

NEW CONSTRUCTION

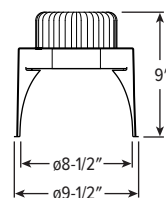


IC-RATED

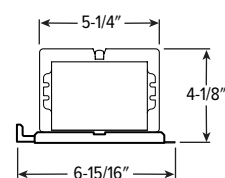


REMODEL

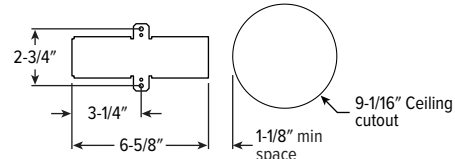
CROSS SECTION
L20 – L40 lumens shown



DRIVER & JUNCTION BOX

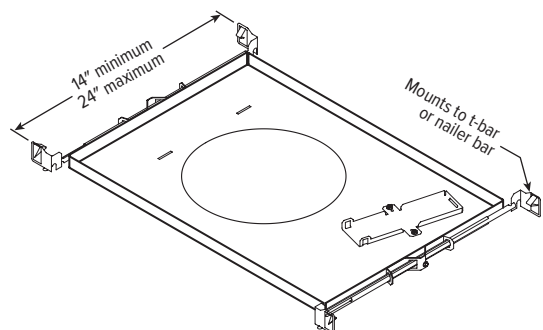


RECEIVER BRACKET

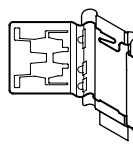


MOUNTING HARDWARE DETAILS

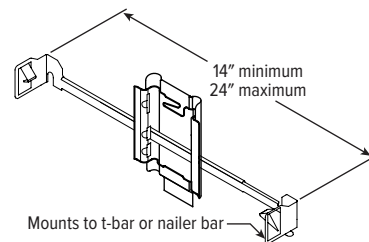
F1 Integral 2-position fixed pan bracket, universal bar hanger included



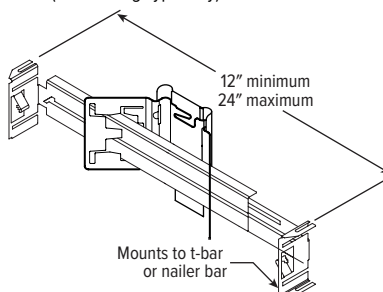
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



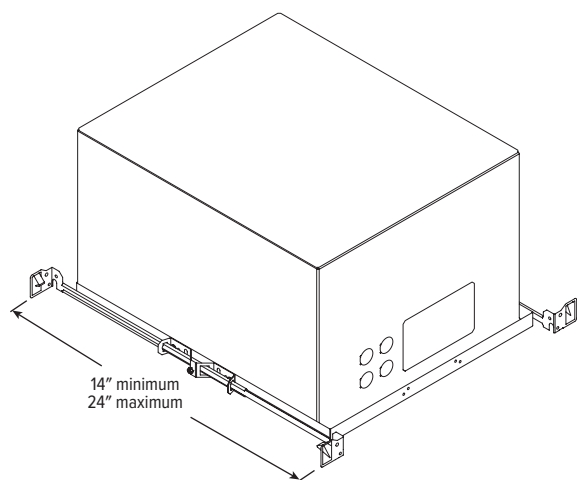
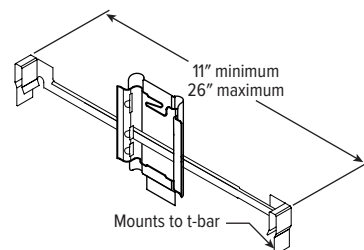
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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



8DR LED

8" Downlight – Round

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning
Mobile App



Zone Scanner
Web App



Commissioning
Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

ADDITIONAL CONTROL/DRIVER OPTIONS

Lumen restrictions apply: L40 max for DMX driver, L20 max for Lutron drivers, L40 max for DIM LINE and DALI drivers. R Mounting Type requires 12" minimum plenum depth when specified with VRF/DBI controls. 347V may require stepdown transformer, see product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, with Lutron Hi-lume 1% EcoSystem dimming LED driver
FCJS/DIM	Lutron Vive PowPak wireless fixture control with dimming driver
FCJS/DIM1	Lutron Vive PowPak wireless fixture control with 1% dimming driver
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DALI	DALI dimming driver
DMX	0.1% dimming driver for DMX controls
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

