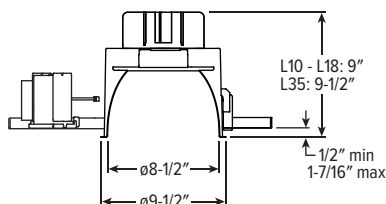
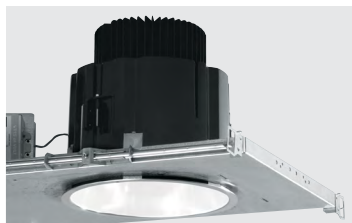


8DR tunable **WHITE** 8" Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 8DR - L10/8TW - OPTIONS - DIM - 120 - OW - CS - TRIM OPTIONS - N - F1



HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
8DR	L10 1,000lm L18 1,800lm L35 3,500lm	8TW Tunable white (80 CRI, 2700K-5000K)	See page 3 for EMERGENCY BATTERY OPTIONS . SCA__ Sloped ceiling adapter ^[2] ATH Airtight construction CP Chicago plenum (CCEA) ^[3] F Fuse kit TC Adjustable mounting arms for 1-1/2" - 2-1/4" thick ceilings	See page 3 for CONTROL 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 PSQ Lutron T-Series 2-channel tunable white 1%.	120 120V 277 277V

TRIM ^[4]

TRIM TYPE	DISTRIBUTION ^[5]	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W 65° Wide M 45° Medium N 35° Narrow	CS Clear semi-specular anodize SG Satin-glow anodize GD Gold anodize 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	MWT Textured white trim flange ^[6] WET/CC Wet location, covered ceiling listed AM Anti-microbial ^[7]

MOUNTING

MOUNTING TYPE ^[8]	MOUNTING HARDWARE ^[9]
N Open pan for new construction I IC-rated enclosure for new construction ^[10] R Remodel kit ^[11]	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[12] BA1 Adjustable butterfly pan bracket, bar hanger not included ^[13] CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[14]

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 4000K/80CRI. Actual lumens may vary +/-5%. See page 2 for **FIXTURE PERFORMANCE DATA**.
- 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.
- Trim ships separately.
- Beam angle based on CS or WH reflector finish.
- 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 5 FOR **MOUNTING HARDWARE DETAILS**.
- L10 and L18 lumen packages only. 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 tunable WHITE 8" Downlight – Round

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Beam angles ranging from 35° narrow to 65° wide for tailored performance
- Open reflector with nine finishes complement interior style
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Sloped adapter accommodates vaulted ceilings
- Fully room-side accessible
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses

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 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.

- 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.

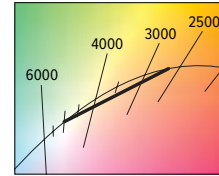
FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1038	14.2	73
	M	1028	14.2	72
	N	942	14.2	66
L18	W	1796	23.9	75
	M	1779	23.9	74
	N	1630	23.9	68
L35	W	3481	47.3	74
	M	3448	47.3	73
	N	3159	47.3	67

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

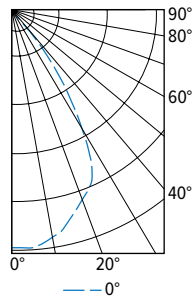
REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG ¹	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH ¹	0.89
BL ¹	0.47



- ¹ Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
 - Wattage shown is based on 120V input.
 - Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
 - To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
 - Use multiplier tables to calculate additional options.

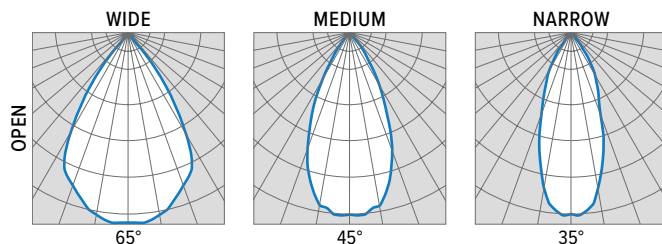
PHOTOMETRY

8DR-L35/8TW-OW-CS Total Luminaire Output: 3481 lumens; 47.3 Watts | Efficacy: 74 lm/W | 80.0 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	3404	
	5	3425	322
	15	3122	879
	25	2701	1209
	35	1334	831
	45	208	191
	55	28	26
	65	14	14
	75	7	7
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	3240	93
	0 - 60	3458	99
	0 - 90	3481	100
	0 - 180	3481	100



8DR tunable WHITE

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.

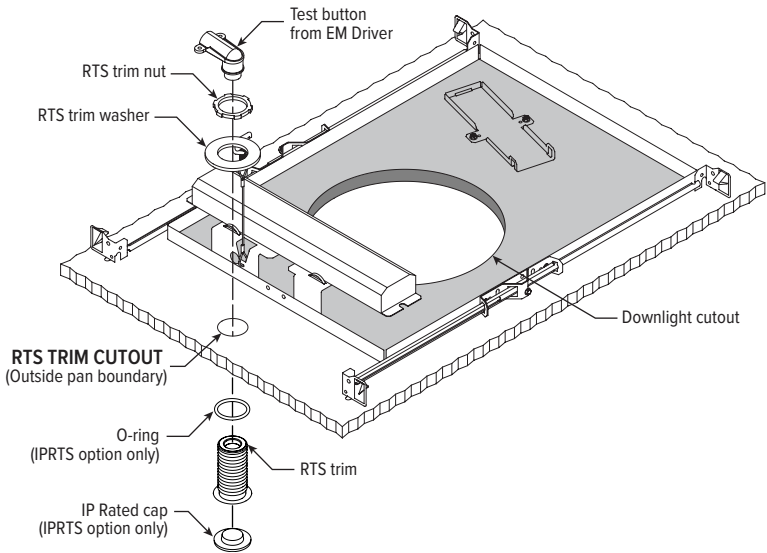
CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery
EM/7W/RTS	7-watt emergency battery with regressed test switch ¹
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch
EM/10W	10-watt emergency battery
EM/10W/RTS	10-watt emergency battery with regressed test switch ¹
EM/10W/IPRTS	10-watt emergency battery with IP65 rated regressed test switch

¹ Not available with WET/CC Option.

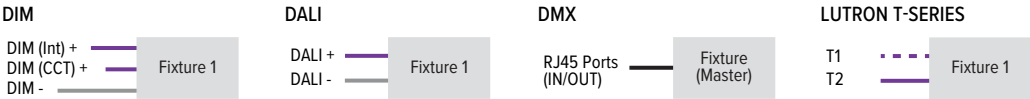
REGRESSED TEST SWITCH DETAILS



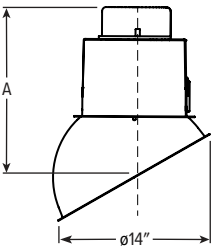
Shown Installed



CONTROL DETAILS



SLOPED CEILING ADAPTOR DETAILS



Ceiling cutout: 14-3/8"

LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
L10 - L18	13-5/16"	13-3/8"	13-5/16"	13-3/16"	13"	12-5/8"	13-3/4"
L35	14-3/4"	14-13/16"	14-3/4"	14-5/8"	14-5/16"	14"	15"

30° Shown

REFLECTOR FINISH DETAILS

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

8DR

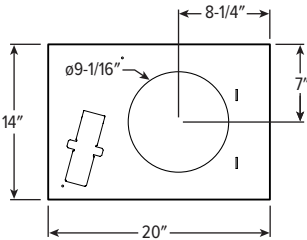
tunable WHITE

8" Downlight – Round

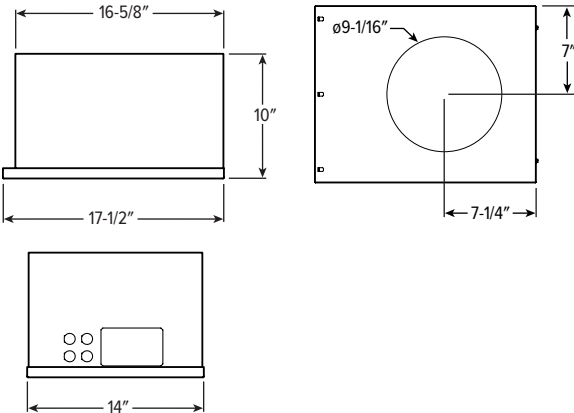
MOUNTING TYPE DETAILS

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

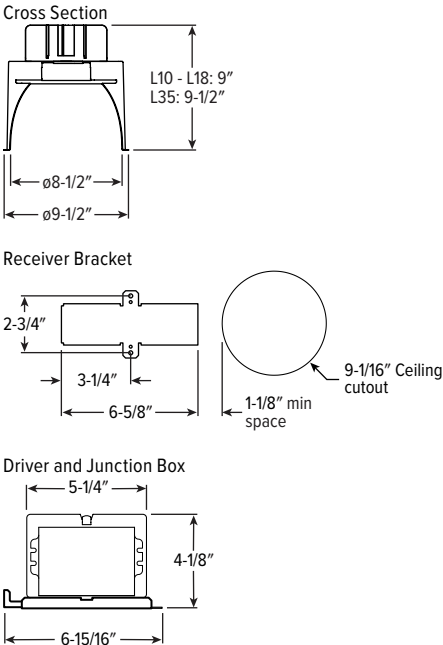
NEW CONSTRUCTION



IC-RATED



REMODEL



APERTURE ADAPTOR ORDERING INFO

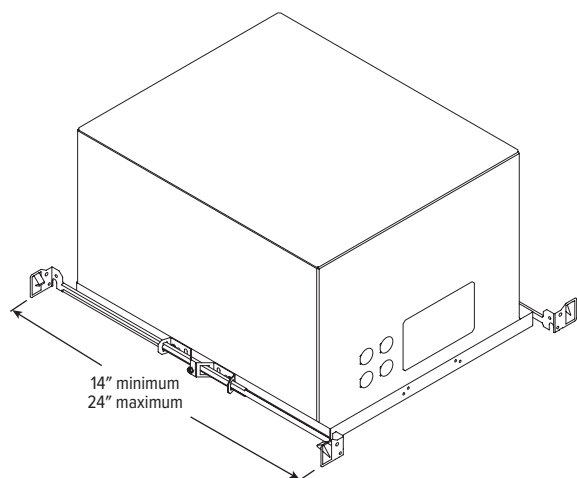
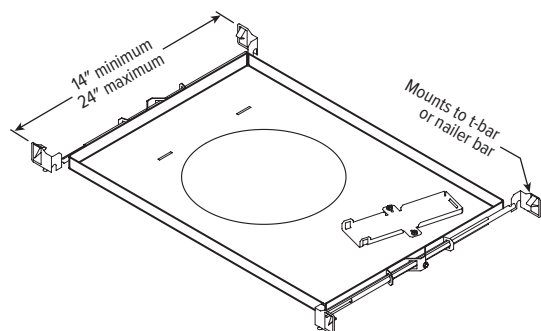
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT				
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH	
4AR 6AR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575	CS	Clear semi-specular powder coat
4DR 6DR			WH	White texture powder coat
4DS 6DS			BL	Black texture powder coat
4PR 6PR				
4PS 6PS			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

For use with remodel downlights. Additional finishes available, consult factory.
For limitations and instructions, see hew.com/aperture-adaptor.pdf

8DR tunable **WHITE** 8" Downlight – Round

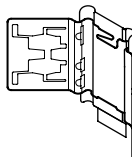
MOUNTING HARDWARE DETAILS

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

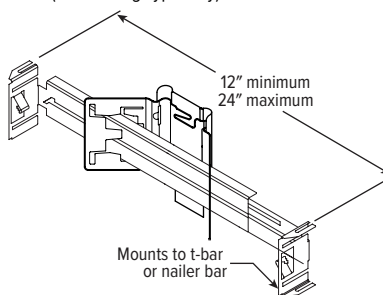


F1 with I Mounting Type

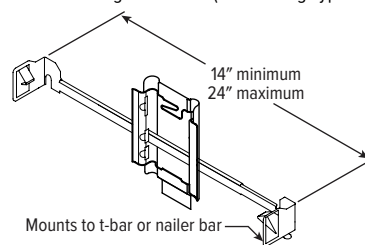
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

