

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## NEW CONSTRUCTION AND REMODEL

### 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 9 finishes to complement any interior style
- Contemporary design provides glare-free illumination for a soft ceiling appearance

### 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 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.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

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

### HOUSING

SERIES	LUMENS <sup>[1]</sup>	COLOR	OPTIONS	CONTROL	VOLTAGE
8DR	L10	1,000lm	SCA_ Sloped ceiling adaptor <sup>[2]</sup>	DALI Driver prewired for DALI applications	120 120V
	L18	1,800lm	ATH Airtight construction	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	277 277V
	L35	3,500lm	CP Chicago plenum (CCEA) <sup>[3]</sup>	DMX Driver prewired for DMX applications	
			EM/7W 7-watt emergency battery <sup>[4]</sup>	PSQ Lutron T-Series 2-channel tunable white 1%.	
			EM/10W 10-watt emergency battery <sup>[5]</sup>		
			EM/10W/RTS 10-watt emergency battery with regressed test switch <sup>[6]</sup>		
			F Fuse kit		
			TC Adjustable mounting arms for 1-1/2" - 2-1/4" thick ceilings		

### TRIM <sup>[7]</sup>

TRIM TYPE	DISTRIBUTION <sup>[8]</sup>	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W 65° Wide	CS Clear semi-specular anodize	MWT Textured white trim flange <sup>[9]</sup>
	M 45° Medium	SG Satin-glow anodize	WET/CC Wet location, covered ceiling listed
	N 35° Narrow	GD Gold anodize	AM Anti-microbial <sup>[10]</sup>
		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 <sup>[11]</sup>

- N Open pan for new construction
- I IC-rated enclosure for new construction <sup>[13]</sup>
- R Remodel kit <sup>[14]</sup>

#### MOUNTING HARDWARE <sup>[12]</sup>

- F1 Integral 2-position fixed pan bracket, universal bar hanger included <sup>[15]</sup>
- BA1 Adjustable butterfly pan bracket, bar hanger not included <sup>[16]</sup>
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included <sup>[17]</sup>

### 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. Not available with ATH option. N Mounting Type only. Not available with WET/CC. Painted white. Other colors available, consult factory.
- I Mounting Type required.
- N and R Mounting Types only.
- N and R Mounting Types only.
- Not available with WET/CC or ATH Options. N and R Mounting Types only. See page 4 for EM/10W/RTS DETAILS.
- 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 3 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. SEE PAGE 4 FOR MOUNTING HARDWARE DETAILS.
- L10 & L18 lumen packages only.
- Also used in new construction sheetrock ceilings.
- 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

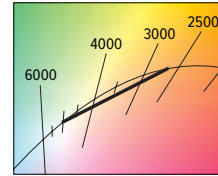
## FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1038	14.2	73.1
	M	1028	14.2	72.4
	N	942	14.2	66.3
L18	W	1796	23.9	75.1
	M	1779	23.9	74.4
	N	1630	23.9	68.2
L35	W	3481	47.3	73.6
	M	3448	47.3	72.9
	N	3159	47.3	66.8

### 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

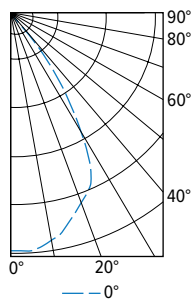
REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG <sup>1</sup>	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH <sup>1</sup>	0.89
BL <sup>1</sup>	0.47



- <sup>1</sup> 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%
- Use multiplier tables to calculate additional options.

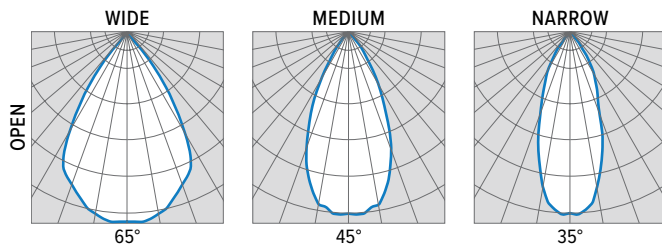
## PHOTOMETRY

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
	0 - 60	3458	99
	0 - 90	3481	100
	0 - 180	3481	100



## CONTROL DETAILS

### DIM



### DALI



### DMX

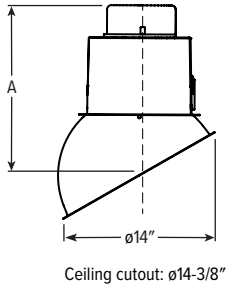


### LUTRON T-SERIES



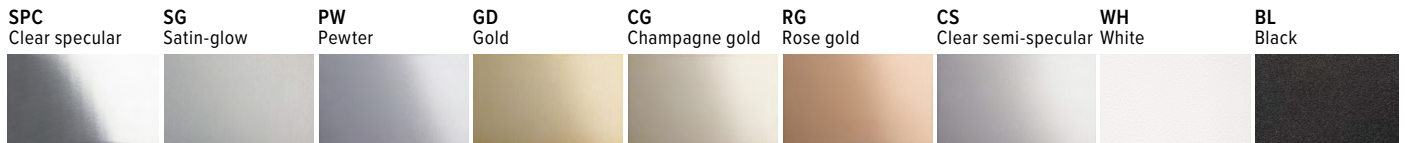
# 8DR tunable WHITE 8" Downlight – Round

## SLOPED CEILING ADAPTOR DETAILS



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"

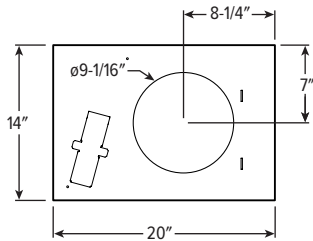
## REFLECTOR FINISH DETAILS



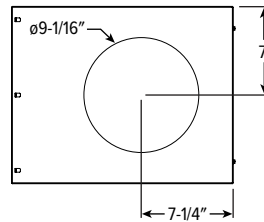
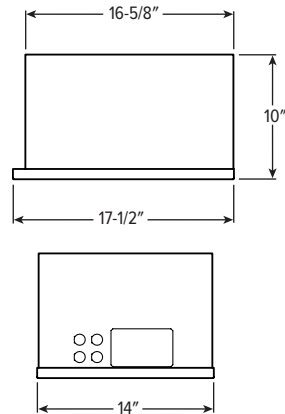
## MOUNTING TYPE DETAILS

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

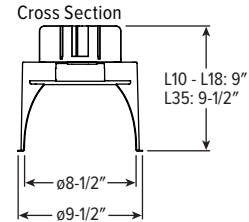
### NEW CONSTRUCTION



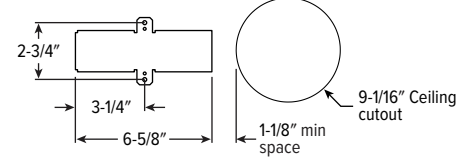
### IC-RATED



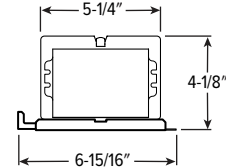
### REMODEL



### Receiver Bracket

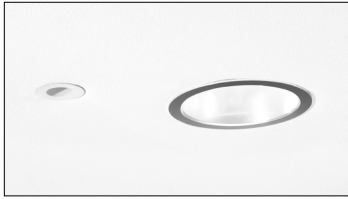


### Driver and Junction Box

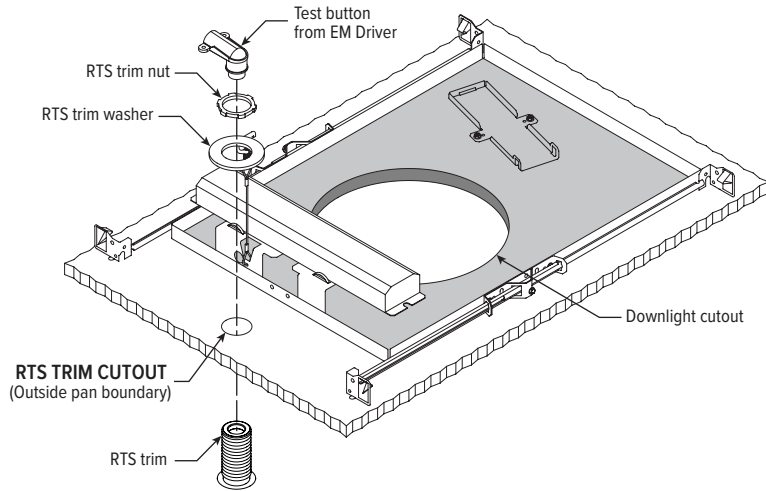


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## EM/10W/RTS DETAILS

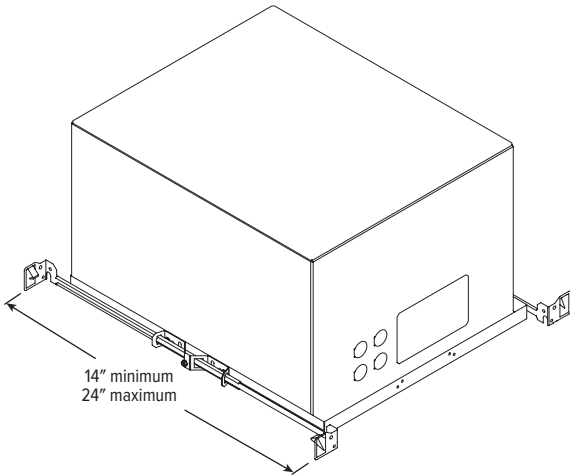
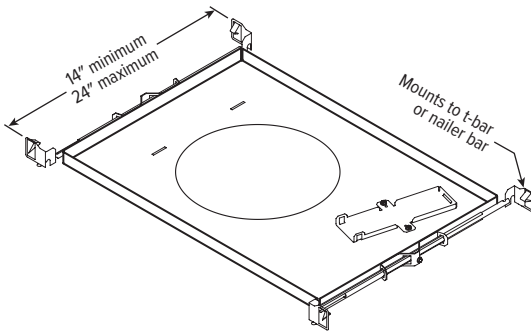


Shown Installed



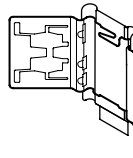
## MOUNTING HARDWARE DETAILS

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

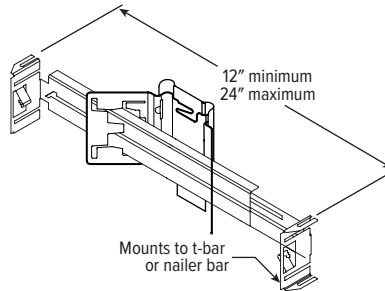


F1 with I Mounting Type

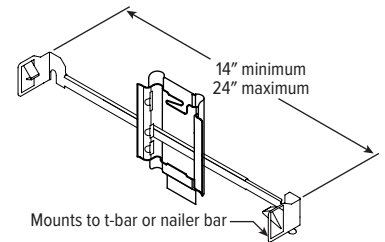
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



**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)

