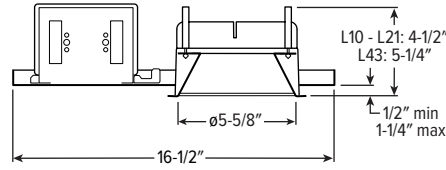


# 6PR tunable **WHITE** 6" Shallow Plenum Downlight – Round



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

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

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

## NEW CONSTRUCTION AND REMODEL

### FEATURES

#### TrimLock®

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- Slim 5" depth for minimal plenum space applications
- Beam angles ranging from 25° narrow to 85° wide for tailored performance
- Die cast trim with flush lens provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible

### SPECIFICATIONS

- HOUSING** – Spun housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2"– 1-1/4" (consult factory for additional ceiling thicknesses).
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass 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.
- 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: 6PR - TL - L10/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

### HOUSING

SERIES	LUMENS <sup>[1]</sup>	COLOR	OPTIONS	CONTROL	VOLTAGE
6PR-TL	L10 1,000lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/7W 7-watt emergency battery <sup>[2]</sup>	DALI Driver prewired for DALI applications	UNV 120-277V
TrimLock	L21 2,100lm		EM/10W 10-watt emergency battery <sup>[3]</sup>	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	
	L43 4,300lm		EM/10W/RTS 10-watt emergency battery with regressed test switch <sup>[4]</sup>	DMX Driver prewired for DMX applications	
			ATH Airtight construction	PSQ Lutron T-Series 2-channel tunable white 1%.	
			CP Chicago plenum (CCEA) <sup>[5]</sup>		
			F Fuse kit		

### TRIM <sup>[6]</sup>

TRIM TYPE	DISTRIBUTION <sup>[7]</sup>	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 85° Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	IP IP65 rated trim
A Angled lens <sup>[8]</sup>	M 35° Medium <sup>[10]</sup>	SF 1/4" mud-in flange <sup>[12]</sup>	WH White texture powder coat	AD Diffuse acrylic lens <sup>[13]</sup>
S Non-conductive flush lens for shower applications <sup>[9]</sup>	N 25° Narrow <sup>[11]</sup>		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens <sup>[14]</sup>
				WET/CC Wet location, covered ceiling listed
				AM Anti-microbial <sup>[15]</sup>

### MOUNTING

#### MOUNTING TYPE <sup>[16]</sup>

- N Open pan for new construction
- I IC-rated enclosure for new construction <sup>[18]</sup>
- R Remodel kit <sup>[19]</sup>

#### MOUNTING HARDWARE <sup>[17]</sup>

- F1 Integral 2-position fixed pan bracket, universal bar hanger included <sup>[20]</sup>
- BA1 Adjustable butterfly pan bracket, bar hanger not included <sup>[21]</sup>
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included <sup>[22]</sup>

### NOTES

- Lumen output based on L trim type, W distribution and WH finish, 4000K/80CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- N and R Mounting Types only.
- N and R Mounting Types only.
- Not available with WET/CC, ATH or IP options. N and R Mounting Types only. See page 4 for EM/10W/RTS DETAILS.
- I Mounting Type required.
- Trim ships separately.
- Beam angle based on WH reflector finish and L Trim Type.
- Wide distribution only. Diffuse acrylic lens standard.
- W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- Not available with L43 lumen stop.
- Not available with L43 lumen stop.
- 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 or IP options.
- L Trim Type only. W distribution only.
- W distribution only.
- WH and BL Reflector Finishes only. Not available with S Trim Type.
- 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 L21 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.



# 6PR tunable WHITE 6" Shallow Plenum Downlight – Round

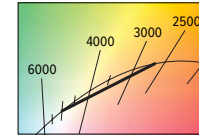
## FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1148	14.6	78.6
	M	1164	14.6	79.7
	N	1175	14.6	80.5
L21	W	2152	24.0	89.5
	M	2182	24.0	90.7
	N	2107	24.0	87.6
L43	W	4352	46.7	93.1
	M	-	-	-
	N	-	-	-

## 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

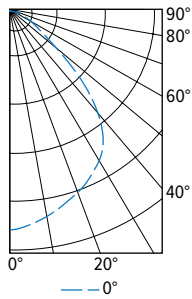
TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85



- 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

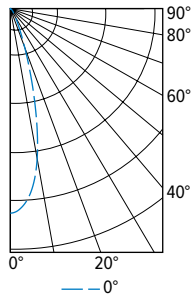
6PR-TL-L10/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1148 lumens; 14.6 Watts | Efficacy: 78.6 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	608	
	5	597	56
	15	559	158
	25	514	237
	35	447	276
	45	289	219
	55	116	108
	65	58	58
	75	26	28
	85	6	7
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	728	63
	0 - 60	1055	92
	0 - 90	1148	100
	0 - 180	1148	100

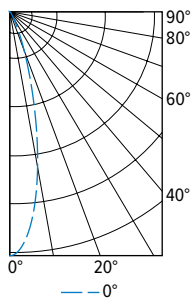
6PR-TL-L10/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 1164 lumens; 14.6 Watts | Efficacy: 79.7 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2679	
	5	2574	236
	15	1685	453
	25	533	254
	35	158	104
	45	70	55
	55	36	33
	65	19	19
	75	9	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1047	90
	0 - 60	1134	97
	0 - 90	1164	100
	0 - 180	1164	100

6PR-TL-L10/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1175 lumens; 14.6 Watts | Efficacy: 80.5 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4341	
	5	3924	341
	15	1682	463
	25	401	195
	35	110	73
	45	56	44
	55	34	31
	65	19	19
	75	8	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1071	91
	0 - 60	1145	97
	0 - 90	1175	100
	0 - 180	1175	100



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## CONTROL DETAILS

### DIM



### DALI



### DMX



### LUTRON T-SERIES



## TRIMLOCK DETAILS

### TWIST



### PULL

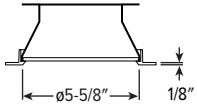


### RELEASE

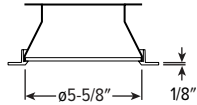


## TRIM TYPE DETAILS

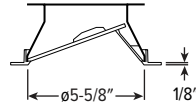
### FLUSH



### SHOWER

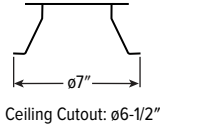


### ANGLED

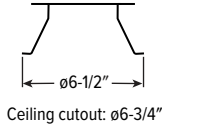


## FLANGE TYPE DETAILS

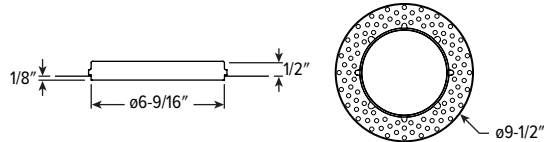
### 1/2" STANDARD



### 1/4" MUD-IN

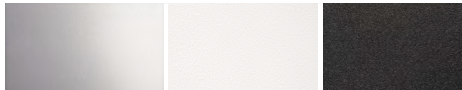


### MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



## REFLECTOR FINISH DETAILS

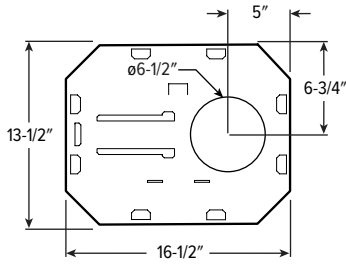
**CS** Clear semi-specular    **WH** White    **BL** Black



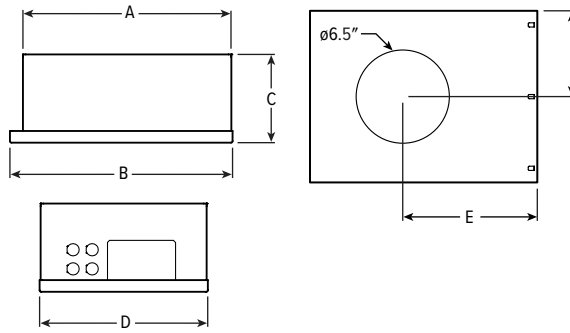
# 6PR tunable WHITE 6" Shallow Plenum Downlight – Round

## MOUNTING TYPE DETAILS

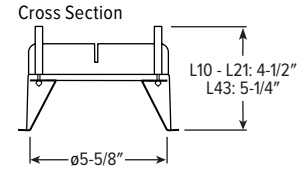
### NEW CONSTRUCTION



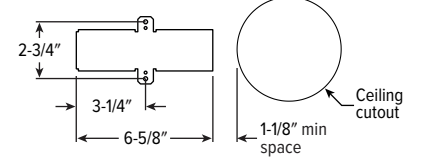
### IC-RATED



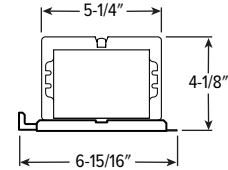
### REMODEL



### Receiver Bracket

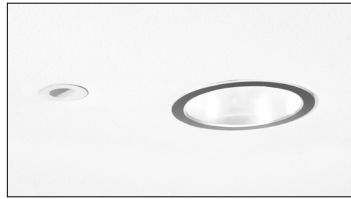


### Driver and Junction Box

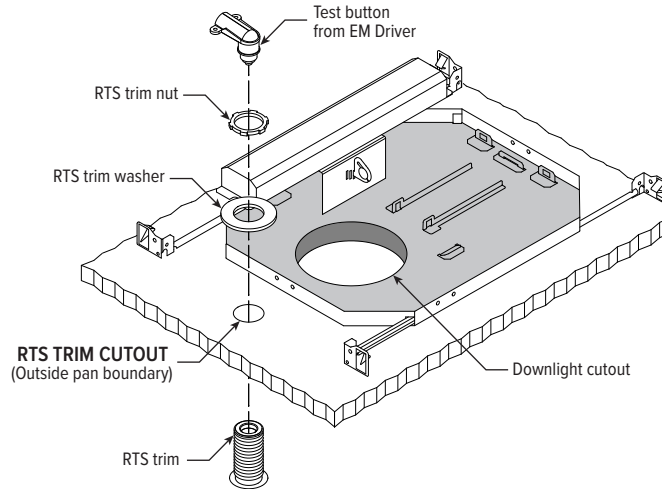


LUMENS	LENGTH					
	A	B	C	D	E	F
L10	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6"
L21	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6"

## EM/10W/RTS DETAILS



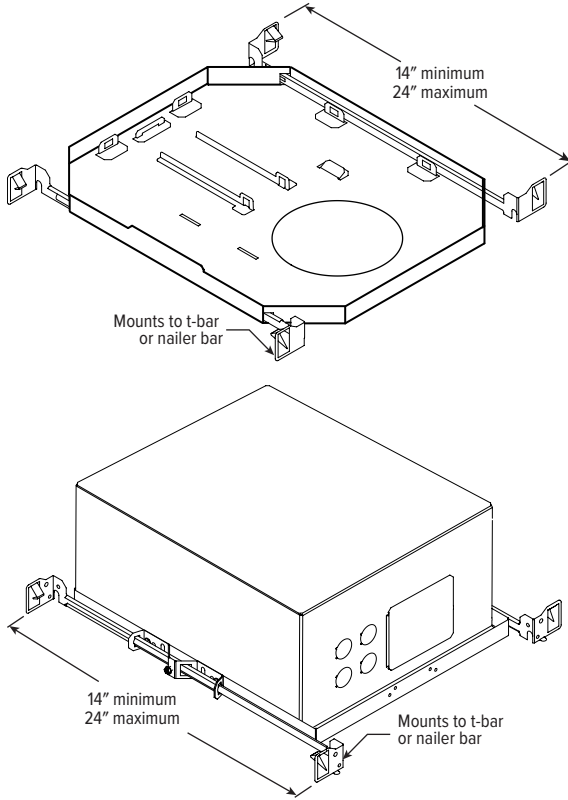
Shown Installed



# 6PR tunable WHITE 6" Shallow Plenum Downlight – Round

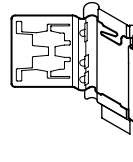
## MOUNTING HARDWARE DETAILS

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

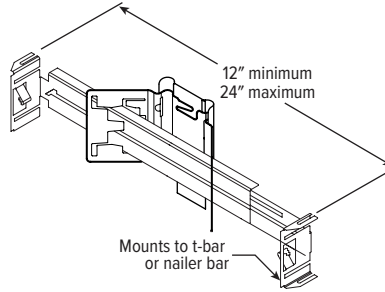


F1 with I Mounting Type

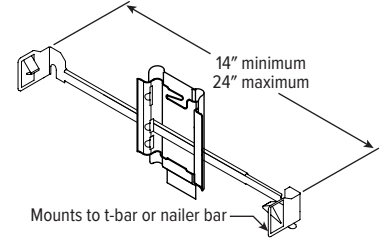
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



**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)

