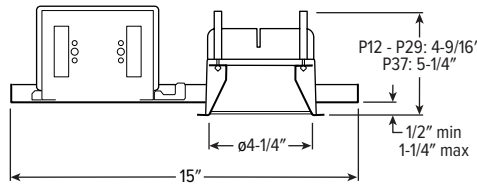
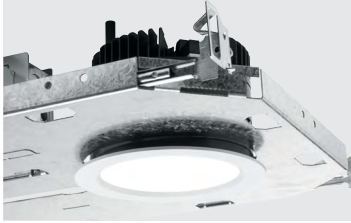


# 4PR PoE | tunable **WHITE** 4.5" Shallow Plenum Downlight – Round



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

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

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

## NEW CONSTRUCTION AND REMODEL

### FEATURES

#### TrimLock®

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls

### 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, 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. Low-voltage DC fixture, to be fed by Class 2 power supply. 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. Minimum 24" O.C. marked spacing required for P29 and P37 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.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- Consult factory for design support



ORDERING EXAMPLE: 4PR - TL - P22/835 - OPTIONS - POE PR - LW - OF - WH - TRIM OPTIONS - N - F1  
 HOUSING TRIM MOUNT.

### HOUSING

SERIES	LUMENS <sup>[1]</sup>	CRI	CCT	OPTIONS	CONTROL <sup>[2]</sup>
4PR - TL	P12 1,200lm	8 80	27 2700K	ATH Airtight construction	POE PR Power over Ethernet, Platformatics-ready
TrimLock	P22 2,200lm	9 90 <sup>[4]</sup>	30 3000K	CP Chicago plenum (CCEA) <sup>[6]</sup>	
	P29 2,900lm		35 3500K		
	P37 3,700lm <sup>[3]</sup>		40 4000K		
			50 5000K		
			TW Tunable white (80 CRI, 2700K–5000K) <sup>[5]</sup>		

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

TRIM TYPE	DISTRIBUTION <sup>[8]</sup>	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 65° Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	IP IP65 rated trim
A Angled lens <sup>[9]</sup>	M 35° Medium	SF 1/4" mud-in flange <sup>[11]</sup>	WH White texture powder coat	AD Diffuse acrylic lens <sup>[12]</sup>
S Non-conductive flush lens for shower applications <sup>[10]</sup>	N 25° Narrow		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens <sup>[13]</sup>
				WET/CC Wet location, covered ceiling listed <sup>[14]</sup>
				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
- R Remodel kit <sup>[18]</sup>

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

- F1 Integral 2-position fixed pan bracket, universal bar hanger included <sup>[19]</sup>
- BA1 Adjustable butterfly pan bracket, bar hanger not included <sup>[20]</sup>
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included <sup>[21]</sup>

### NOTES

- Static white lumen output based on L trim type, W distribution and WH finish. 80 CRI, 3000K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for .For additional PoE info, see [hew.com/poe](http://hew.com/poe).
- N Mounting Type only.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- P12 and P22 lumen packages only.
- I Mounting Type required. P22 lumen package max.
- 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 and WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- 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.
- Not available with PD trim option.
- 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 4 for MOUNTING HARDWARE DETAILS.
- Also used in new construction sheetrock ceilings. Pan-less installation. P12 and P22 lumen packages only.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



# 4PR PoE | tunable WHITE

## 4.5" Shallow Plenum Downlight – Round

### FIXTURE PERFORMANCE DATA

#### STANDARD

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P12	W	1209	12.3	98.3
	M	1408	12.3	114.4
	N	1397	12.3	113.6
P22	W	2173	25.0	86.9
	M	2529	25.0	101.2
	N	2510	25.0	100.4
P29	W	2939	37.5	78.4
	M	3326	37.5	88.7
	N	3305	37.5	88.1
P37	W	3695	50.0	73.9
	M	4180	50.0	83.6
	N	4154	50.0	83.1

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K/80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K/80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

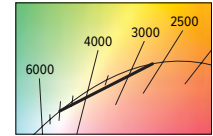
#### TUNABLE WHITE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P12	W	891	12.3	72.5
	M	1016	12.3	82.6
	N	1012	12.3	82.3
P22	W	1864	25.0	74.6
	M	2116	25.0	84.6
	N	2039	25.0	81.6

#### MULTIPLIER TABLES

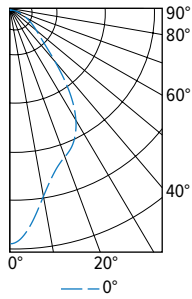
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	-
	3000K	0.79	-
	3500K	0.82	-
	4000K	0.84	-
	5000K	0.88	-

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85



### PHOTOMETRY

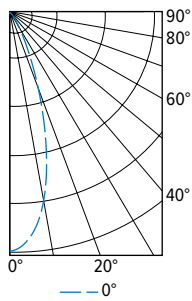
4PR-TL-P22/835-POE PR-LW-OF-WH Total Luminaire Output: 2173 lumens; 25.0 Watts | Efficacy: 86.9 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1740	
	5	1621	148
	15	1255	355
	25	1100	502
	35	787	482
	45	361	289
	55	211	190
	65	123	123
	75	62	66
	85	15	19
	90	3	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1487	68
	0 - 60	1966	90
	0 - 90	2173	100
	0-180	2173	100

4PR-TL-P22/835-POE PR-LM-OF-WH Total Luminaire Output: 2529 lumens; 25.0 Watts | Efficacy: 101.2 lm/W | 80 CRI; 3500K CCT



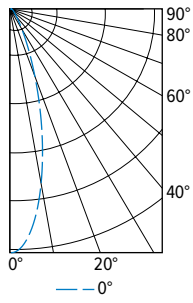
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5941	
	5	5641	512
	15	3524	956
	25	1196	565
	35	358	234
	45	148	117
	55	77	70
	65	44	44
	75	23	24
	85	6	7
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2267	90
	0 - 60	2454	97
	0 - 90	2529	100
	0-180	2529	100



# 4PR PoE | tunable **WHITE** 4.5" Shallow Plenum Downlight – Round

4PR-TL-P22/835-POE PR-LN-OF-WH Total Luminaire Output: 2510 lumens; 25.0 Watts | Efficacy: 100.4 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	8425	
	5	7608	664
	15	3566	974
	25	953	458
	35	264	174
	45	124	97
	55	75	68
	65	45	45
	75	23	24
	85	5	6
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2270	90
	0 - 60	2435	97
	0 - 90	2510	100
	0-180	2510	100

## TRIMLOCK DETAILS

**TWIST**



**PULL**

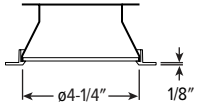


**RELEASE**

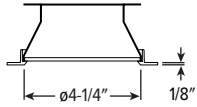


## TRIM TYPE DETAILS

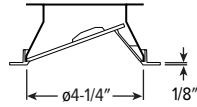
**FLUSH**



**SHOWER**

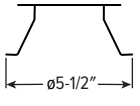


**ANGLED**



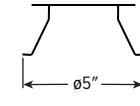
## FLANGE TYPE DETAILS

**1/2" STANDARD**



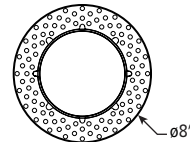
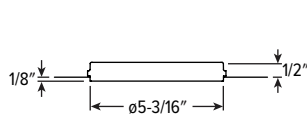
Ceiling Cutout:  $\phi 5"$

**1/4" MUD-IN**



Ceiling Cutout:  $\phi 5-1/2"$

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



## APERTURE ADAPTOR ORDERING INFO

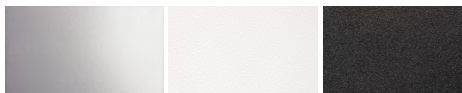
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575	<b>CS</b> Clear semi-specular powder coat <b>WH</b> White texture powder coat <b>BL</b> Black texture powder coat
4DR 6DR			
4DS 6DS			
4PR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

Additional finishes available, consult factory. For use with remodel downlights. For limitations and instructions, see [hew.com/aperture-adaptor.pdf](http://hew.com/aperture-adaptor.pdf)

## REFLECTOR FINISH DETAILS

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

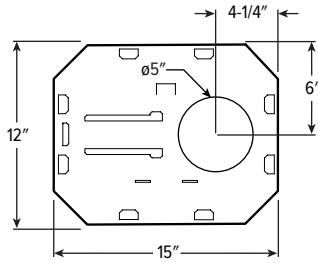
**BL** Black



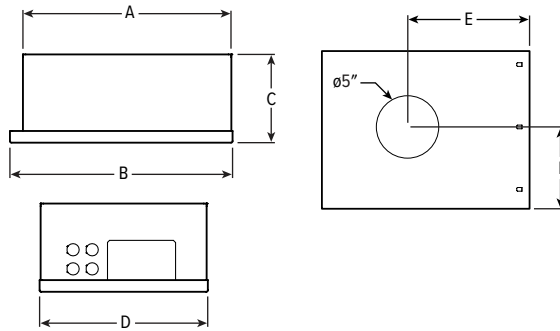
# 4PR PoE | tunable **WHITE** 4.5" Shallow Plenum Downlight – Round

## MOUNTING TYPE DETAILS

### NEW CONSTRUCTION

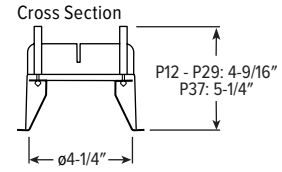


### IC-RATED

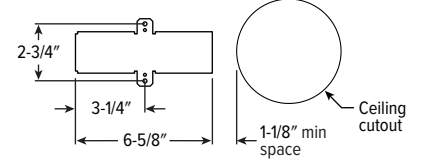


LUMENS	LENGTH					
	A	B	C	D	E	F
P12 - P22	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6-1/16"

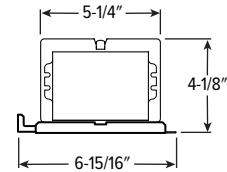
### REMODEL



### Receiver Bracket

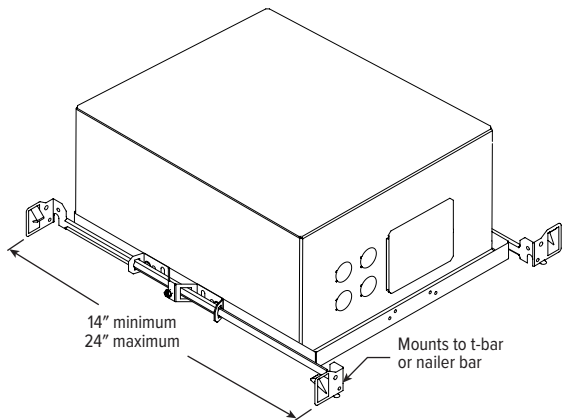
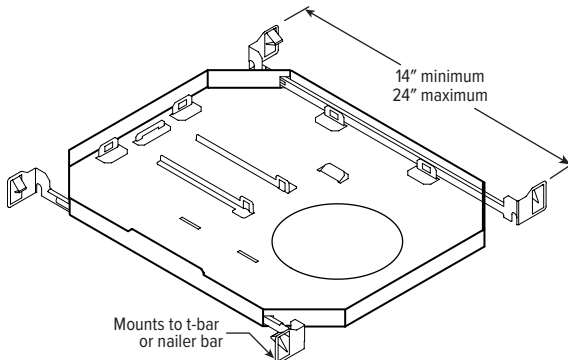


### Driver and Junction Box



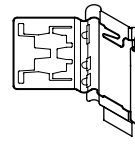
## MOUNTING HARDWARE DETAILS

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

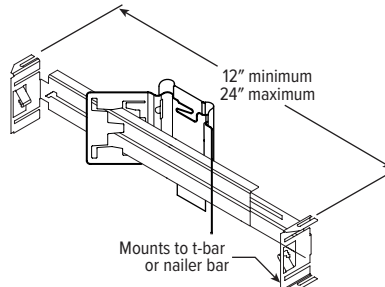


F1 with I Mounting Type

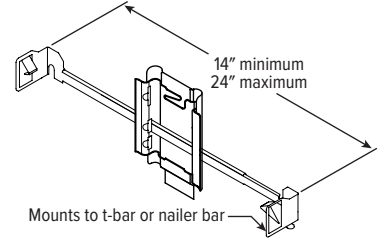
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



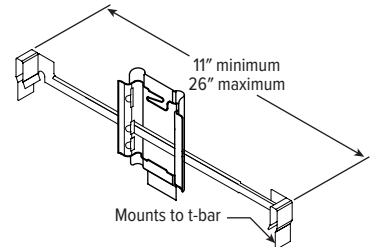
**BA2** Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



**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)



# 4PR PoE | tunable WHITE 4.5" Shallow Plenum Downlight – Round

## NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: [platformatics.com/product/poe-ln2](http://platformatics.com/product/poe-ln2)

