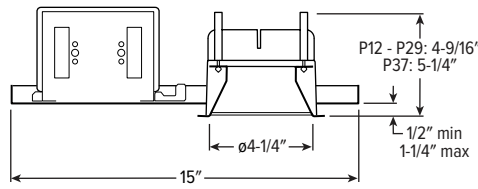
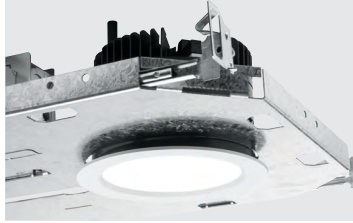


4PR PoE | tunable WHITE 4.5" Shallow Plenum Downlight – Round



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, 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. 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 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.

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
- 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 ^[1] | CRI | CCT | OPTIONS | CONTROL ^[2] |
|----------|----------------------------|---------------------|---|---|---|
| 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 ^[4] | 30 3000K | CP Chicago plenum (CCEA) ^[6] | |
| | P29 2,900lm | | 35 3500K | | |
| | P37 3,700lm ^[3] | | 40 4000K | | |
| | | | 50 5000K | | |
| | | | TW Tunable white (80 CRI, 2700K–5000K) ^[5] | | |

TRIM ^[7]

| TRIM TYPE | DISTRIBUTION ^[8] | 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 ^[9] | M 35° Medium | SF 1/4" mud-in flange ^[11] | WH White texture powder coat | AD Diffuse acrylic lens ^[12] |
| S Non-conductive flush lens for shower applications ^[10] | N 25° Narrow | | BL Black texture powder coat | PD Diffuse 1/8" polycarbonate lens ^[13] |
| | | | | WET/CC Wet location, covered ceiling listed |
| | | | | AM Anti-microbial ^[14] |

MOUNTING

MOUNTING TYPE ^[15]

- N Open pan for new construction
- I IC-rated enclosure for new construction
- R Remodel kit ^[17]

MOUNTING HARDWARE ^[16]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[18]
- BA1 Adjustable butterfly pan bracket, bar hanger not included ^[19]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[20]

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.
- 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.
- 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. 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.

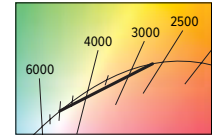
TUNABLE WHITE

| | 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

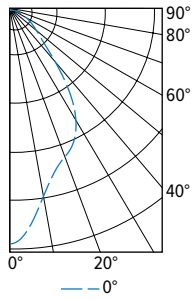
| | COLOR TEMPERATURE | | |
|--------|-------------------|----------|---------------|
| | CCT | LUMENS | |
| | | STANDARD | TUNABLE WHITE |
| 80 CRI | 2700K | 0.92 | 0.83 |
| | 3000K | 0.98 | 1.00 |
| | 3500K | 1.00 | 0.99 |
| | 4000K | 1.01 | 1.00 |
| | 5000K | 1.02 | 0.98 |
| 90 CRI | 2700K | 0.76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

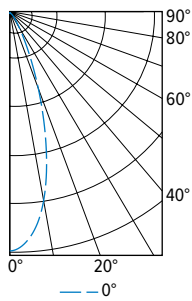
4PR-TL-P22/835-POE PR-LW-OF-WH Total Luminaire Output: 2173 lumens; 25.0 Watts | Efficacy: 86.9 lm/W | 80 CRI; 3500K CCT



| 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



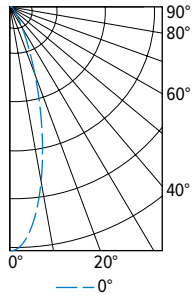
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 5941 | |
| | 5 | 5641 | 512 |
| | 15 | 3524 | 956 |
| | 25 | 1196 | 565 |
| | 35 | 358 | 234 |
| | 45 | 148 | 117 |
| | 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 0° | ZONAL LUMENS |
|--------------------------|----------------|------------------------|--------------|
| | | 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

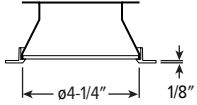


RELEASE

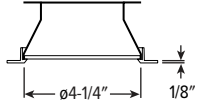


TRIM TYPE DETAILS

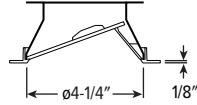
FLUSH



SHOWER

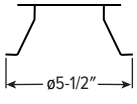


ANGLED



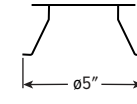
FLANGE TYPE DETAILS

1/2" STANDARD



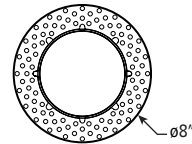
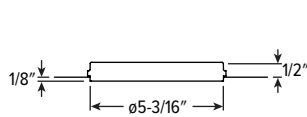
Ceiling Cutout: $\phi 5"$

1/4" MUD-IN



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

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



REFLECTOR FINISH DETAILS

CS

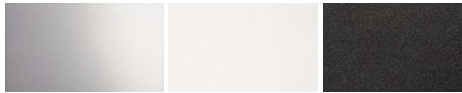
Clear semi-specular

WH

White

BL

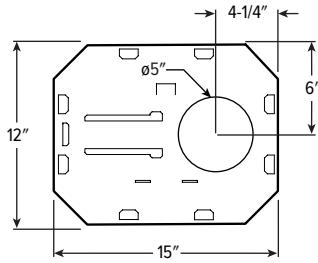
Black



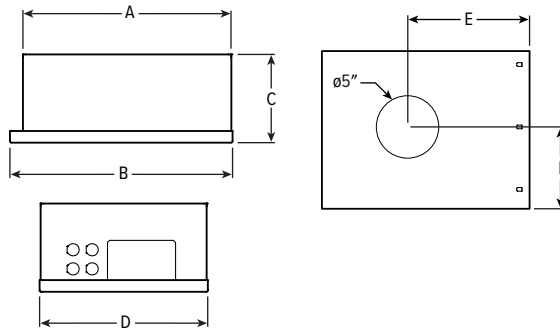
4PR PoE | tunable **WHITE** 4.5" Shallow Plenum Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION

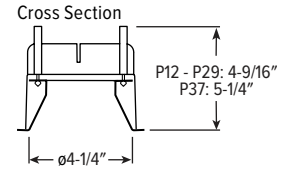


IC-RATED

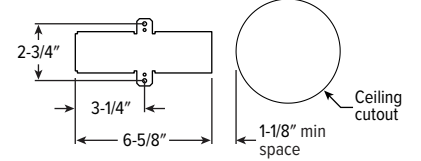


| LUMENS | LENGTH | | | | | |
|-----------|----------|-----|--------|---------|--------|---------|
| | A | B | C | D | E | F |
| P12 - P22 | 15-1/16" | 16" | 4-1/2" | 12-1/8" | 9-1/2" | 6-1/16" |

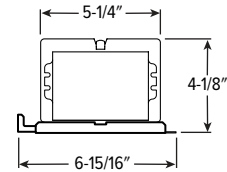
REMODEL



Receiver Bracket

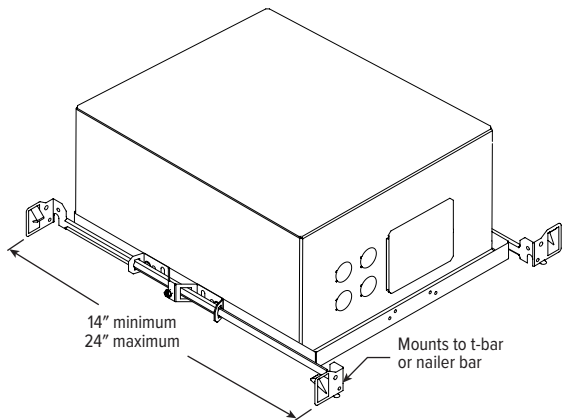
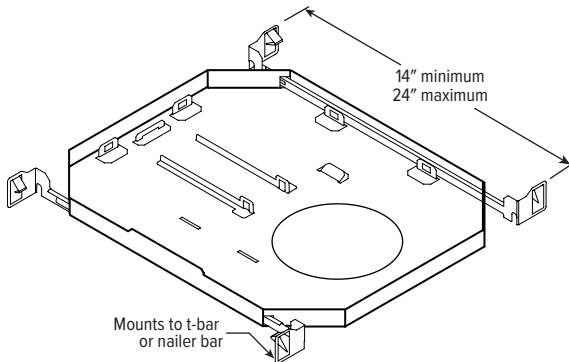


Driver and Junction Box



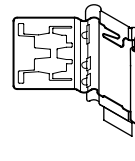
MOUNTING HARDWARE DETAILS

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

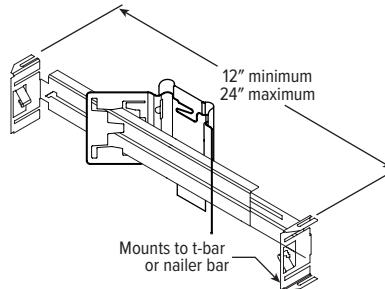


F1 with I Mounting Type

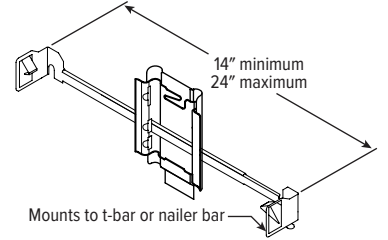
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



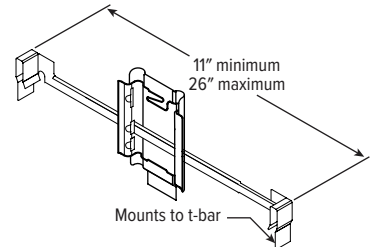
BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



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

