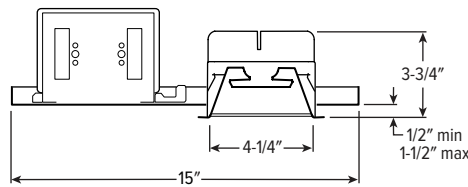


4PS tunable WHITE

4.5" Shallow Plenum Downlight – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 4PS - L20/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1



HOUSING

| SERIES | LUMENS ^[1] | COLOR | OPTIONS | CONTROL | VOLTAGE |
|--------|----------------------------|---|---|--|--------------|
| 4PS | L11 1,100lm L20 2,000lm | 8TW Tunable white (80 CRI, 2700K-5000K) | See page 3 for EMERGENCY BATTERY OPTIONS. ATH Airtight construction CP Chicago plenum (CCEA) ^[2] F Fuse kit | See page 4 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%. ^[3] | UNV 120-277V |

TRIM ^[4]

| TRIM TYPE | DISTRIBUTION ^[5] | FLANGE TYPE | REFLECTOR FINISH | TRIM OPTIONS |
|--------------|--|---|--|--|
| L Flush lens | W 75° Wide M 35° Medium N 30° Narrow | OF 1/2" standard flange SF 1/4" mud-in flange ^[6] | CS Clear semi-specular powder coat WH White texture powder coat BL Black texture powder coat | IP IP65 rated trim AD Diffuse acrylic lens ^[7] PD Diffuse 1/8" polycarbonate lens ^[8] WET/CC Wet location, covered ceiling listed ^[9] AM Anti-microbial ^[10] |

MOUNTING

| MOUNTING TYPE ^[11] | MOUNTING HARDWARE ^[12] |
|---|---|
| N Open pan for new construction I IC-rated enclosure for new construction ^[13] R Remodel kit ^[14] | F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[15] BA1 Adjustable butterfly pan bracket, bar hanger not included ^[16] CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[17] |

NOTES

- ¹ 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.
- ² I Mounting Type required.
- ³ Not available with I Mounting Type.
- ⁴ Trim ships separately.
- ⁵ Beam angle based on WH reflector finish.
- ⁶ 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.
- ⁷ W distribution only.
- ⁸ W distribution only.
- ⁹ Not available with PD trim option.
- ¹⁰ WH and BL Reflector Finishes only.
- ¹¹ Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹² Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- ¹³ Not available with EM batteries.
- ¹⁴ Also used in new construction sheetrock ceilings. Pan-less installation.
- ¹⁵ N and I Mounting Types only. I Mounting requires external brackets.
- ¹⁶ N Mounting Type only.
- ¹⁷ N Mounting Type only.



4PS tunable WHITE

4.5" Shallow Plenum Downlight – Square

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Beam angles ranging from 30° narrow to 75° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Slim 5 inch depth for minimal plenum space applications
- Square shape accentuates architectural styles
- Spring clip retention system eliminates trim sag
- Die-cast trim with flush lens provides glare-free illumination for a soft ceiling appearance
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Fully room-side accessible

SPECIFICATIONS

- HOUSING** – Formed steel housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2" – 1-1/2" (consult factory for additional ceiling thicknesses).
- 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. 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

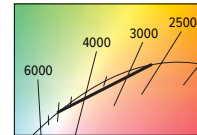
| | DISTRIBUTION | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
|-----|--------------|------------------|---------|-----------------|
| L11 | W | 1156 | 14.6 | 79 |
| | M | 1197 | 14.6 | 82 |
| | N | 1158 | 14.6 | 79 |
| L20 | W | 2016 | 24.0 | 84 |
| | M | 2087 | 24.0 | 87 |
| | N | 2019 | 24.0 | 84 |

- 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.

MULTIPLIER TABLES

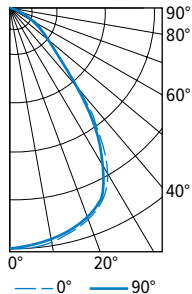
| COLOR TEMPERATURE | | |
|-------------------|--------|-------|
| CCT | LUMENS | WATTS |
| 2700K | 0.83 | 1.03 |
| 3000K | 1.00 | 1.00 |
| 3500K | 0.99 | 0.99 |
| 4000K | 1.00 | 1.00 |
| 5000K | 0.98 | 1.03 |

| TRIM | |
|----------------|-------------------|
| CATALOG NUMBER | CONVERSION FACTOR |
| AD | 0.85 |
| PD | 0.85 |



PHOTOMETRY

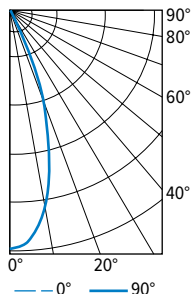
4PS-L20/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 2016 lumens; 24.0 Watts | Efficacy: 84.0 lm/W | 80.0 CRI; 4000K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 1134 | 1134 | 1134 | |
| 5 | 1134 | 1128 | 1128 | 107 |
| 15 | 1093 | 1088 | 1084 | 307 |
| 25 | 1022 | 1025 | 1011 | 466 |
| 35 | 726 | 864 | 706 | 485 |
| 45 | 327 | 504 | 315 | 315 |
| 55 | 187 | 210 | 180 | 179 |
| 65 | 102 | 100 | 99 | 102 |
| 75 | 43 | 43 | 43 | 47 |
| 85 | 6 | 6 | 5 | 9 |
| 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 880 | 44 |
| | 0 - 40 | 1365 | 68 |
| | 0 - 60 | 1858 | 92 |
| | 0 - 90 | 2016 | 100 |
| | 0 - 180 | 2016 | 100 |

4PS-L20/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2087 lumens; 24.0 Watts | Efficacy: 87.0 lm/W | 80.0 CRI; 4000K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 4486 | 4486 | 4486 | |
| 5 | 4338 | 4326 | 4340 | 397 |
| 15 | 2970 | 2970 | 2949 | 802 |
| 25 | 1027 | 1023 | 1024 | 503 |
| 35 | 300 | 302 | 318 | 205 |
| 45 | 111 | 120 | 117 | 93 |
| 55 | 49 | 54 | 51 | 48 |
| 65 | 24 | 26 | 26 | 25 |
| 75 | 10 | 10 | 12 | 11 |
| 85 | 0 | 1 | 1 | 2 |
| 90 | 0 | 0 | 0 | |

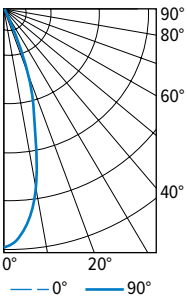
| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1702 | 82 |
| | 0 - 40 | 1907 | 91 |
| | 0 - 60 | 2049 | 98 |
| | 0 - 90 | 2087 | 100 |
| | 0 - 180 | 2087 | 100 |



4PS tunable WHITE

4.5" Shallow Plenum Downlight – Square

4PS-L20/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2019 lumens; 24.0 Watts | Efficacy: 84.1 lm/W | 80.0 CRI; 4000K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
| | 0° | 45° | 90° | |
| 0 | 5270 | 5270 | 5270 | |
| 5 | 4963 | 4920 | 4907 | 443 |
| 15 | 2782 | 2815 | 2767 | 775 |
| 25 | 858 | 934 | 912 | 441 |
| 35 | 238 | 256 | 270 | 173 |
| 45 | 102 | 108 | 112 | 86 |
| 55 | 58 | 63 | 61 | 55 |
| 65 | 28 | 33 | 31 | 31 |
| 75 | 11 | 13 | 13 | 13 |
| 85 | 0 | 1 | 1 | 2 |
| 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 30 | 1659 | 82 |
| | 0 - 40 | 1831 | 91 |
| | 0 - 60 | 1973 | 98 |
| | 0 - 90 | 2019 | 100 |
| | 0 - 180 | 2019 | 100 |

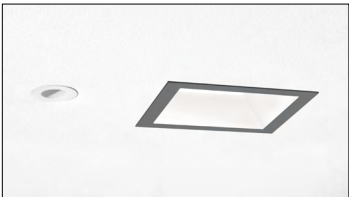
EMERGENCY BATTERY OPTIONS

Additional limitations apply, see page 1. Specify CEC in the option code when California Energy Commission regulations are required.

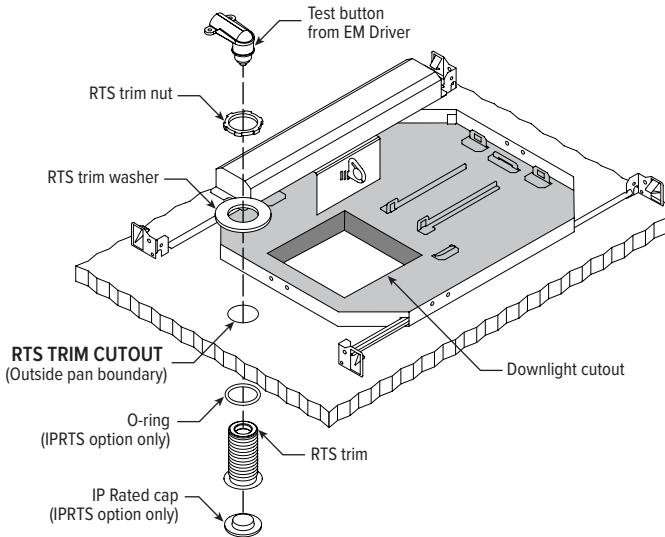
| CATALOG NUMBER | DESCRIPTION |
|----------------|---|
| EM/7W | 7-watt emergency battery ^[1] |
| EM/7W/RTS | 7-watt emergency battery with regressed test switch ^[2] |
| EM/7W/IPRTS | 7-watt emergency battery with IP65 rated regressed test switch |
| EM/10W | 10-watt emergency battery ^[1] |
| EM/10W/RTS | 10-watt emergency battery with regressed test switch ^[2] |
| EM/10W/IPRTS | 10-watt emergency battery with IP65 rated regressed test switch |

- 1 Not available with IP Option.
2 Not available with IP or WET/CC Options.

REGRESSED TEST SWITCH DETAILS

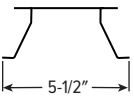


Shown Installed



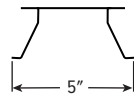
FLANGE TYPE DETAILS

1/2" STANDARD



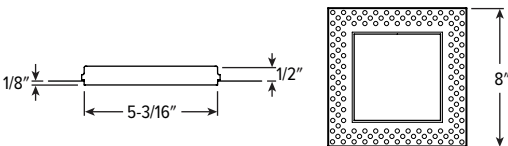
Ceiling Cutout: 5"

1/4" MUD-IN



Ceiling cutout: 5-1/2"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



REFLECTOR FINISH DETAILS

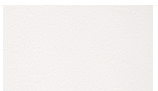
CS

Clear semi-specular



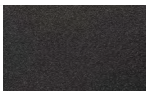
WH

White



BL

Black



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

REV.08/30/23.LA

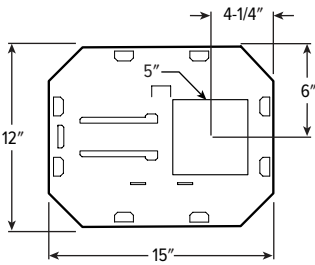
Downlights
Page 3 of 5

4PS tunable WHITE

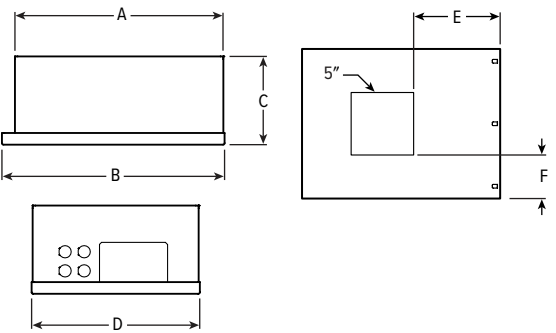
4.5" Shallow Plenum Downlight – Square

MOUNTING TYPE DETAILS

NEW CONSTRUCTION

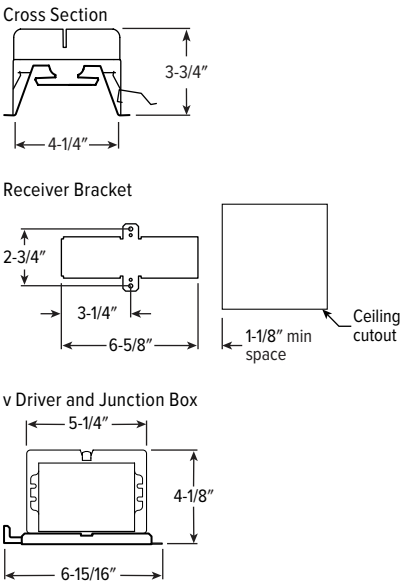


IC-RATED



| LUMENS | LENGTH | | | | | |
|--------|----------|-----|--------|---------|----|---------|
| | A | B | C | D | E | F |
| L11 | 15-1/16" | 16" | 4-1/2" | 12-1/8" | 7" | 3-9/16" |
| L20 | | | 6-3/8" | | | |

REMODEL



APERTURE ADAPTOR ORDERING INFO

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

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

CONTROL DETAILS

DIM



DALI



DMX



LUTRON T-SERIES

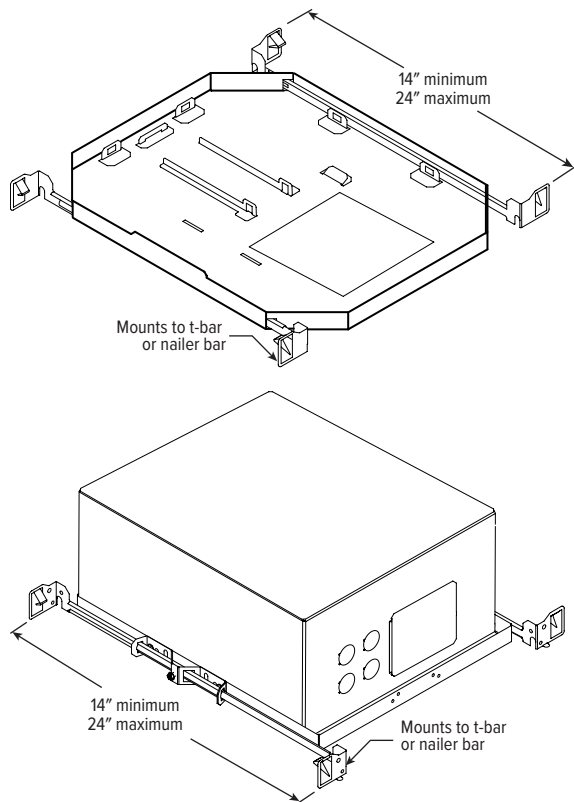


4PS tunable WHITE

4.5" Shallow Plenum Downlight – Square

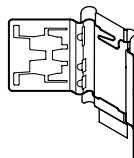
MOUNTING HARDWARE DETAILS

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

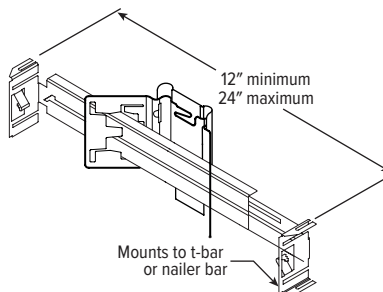


F1 with I Mounting Type

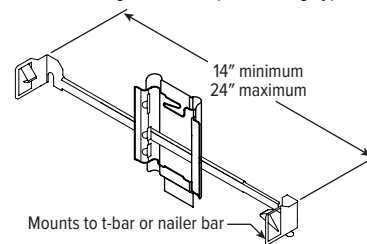
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

