

CATALOG #: _

PROJECT: _

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 4PS - L20/9DW - OPTIONS - DIM1 - UNV, -, LW - OF - WH - TRIM OPTIONS, — HOUSING – MOUNT.



HOUSING

SERIES LUMENS [1] **VOLTAGE** DIM1 1% dimming driver (0-10V signal to control dimming and CCT) 9DW Dim to warm (95 CRI, 1800K - 3000K) See page 3 for EMERGENCY BATTERY OPTIONS. **L7** 700lm **UNV** 120-277V **L12** 1,200lm 347 347V [5] LUT Lutron Ecosystem enabled [4] L20 2,000lm ATH Airtight construction Chicago plenum (CCEA) [2]

> Fuse kit SDT Stepdown transformer [3]

TRIM [6]

| 1 1 1 1 1 1 1 1 | | | | | | |
|-----------------|--|---|-----|---|--------|---|
| TRIM TYPE | DISTRIBUTION [7] | FLANGE TYPE | REF | LECTOR FINISH | TRIM O | PTIONS |
| L Flush lens | W 75° Wide M 35° Medium N 30° Narrow | OF 1/2" standard flange SF 1/4" mud-in flange ^[8] | WH | Clear semi-specular powder coat White texture powder coat Black texture powder coat | PD | IP65 rated trim Diffuse acrylic lens [9] Diffuse 1/8" polycarbonate lens [10] Wet location, covered ceiling listed [11] Anti-microbial [12] |

MOUNTING

MOUNTING TYPE [13]

N Open pan for new construction I IC-rated enclosure for new construction [15]

R Remodel kit [16]

MOUNTING HARDWARE [14]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included [17]
- BA1 Adjustable butterfly pan bracket, bar hanger not included [18]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included [19]

NOTES

- Lumen output based on full light output, L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- I Mounting Type required.
- May be required for 347V, see product builder at hew.com/product-builder. Not available with I Mounting Type.
 Not available with EM batteries or Avi-on Controls.

- Trim ships separately.
 Beam angle based on WH reflector finish.
- 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. W distribution only.
- 10 W distribution only

- Not available with PD trim option.
- WH and BL Reflector Finishes only.

 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.
- L7 and L12 lumen packages only. Not available with EM batteries.
- Also used in new construction sheetrock ceilings. Pan-less installation. N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- 19 N Mounting Type only.

S dim to **WARM** 4.5" Shallow Plenum Downlight – Square

FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- 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
- 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 microprismatic, acrylic lens.
- ELECTRICAL High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- 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/bac
- WARRANTY 5-year limited warranty, see hew.com/warranty.

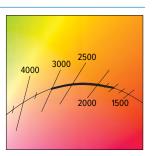
FIXTURE PERFORMANCE DATA

| | DISTRIBUTION | DELIVERED LUMENS | CCT AT 100% (FULL OUTPUT) | CCT AT 1% (FULL DIM) | WATTAGE | EFFICACY (Im/W) |
|-----|--------------|---------------------|------------------------------|-------------------------|---------|--------------------|
| | W | 753 | | | 14.0 | 54 |
| 7 | M | 780 | 3000К | | 14.0 | 56 |
| | N | 754 | | 1800K | 14.0 | 54 |
| | W | 1321 | | | 23.4 | 57 |
| 12 | M | 1367 | | | 23.4 | 58 |
| | N | 1323 | | | 23.4 | 57 |
| | W | 1955 | | | 37.7 | 52 |
| L20 | M | 2021 | | | 37.7 | 54 |
| | N | 1956 | | | 37.7 | 52 |
| | | | | | | |

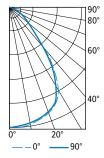
MULTIPLIER TABLE

| TRIM | | | | | |
|-------------------|-------------------|--|--|--|--|
| CATALOG NUMBER | CONVERSION FACTOR | | | | |
| 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 3000K, 95 CRI, full output, actual lumens may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.



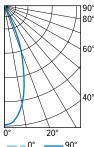
4PS-L20/9DW-DIM1-UNV-LW-OF-WH Total Luminaire Output: 1955 lumens; 37.7 Watts | Efficacy: 51.9 lm/W | 95.0 CRI; 3000K CCT



| | VERTICAL ANGLE | HORIZ | ZONTAL A | ZONAL LUMENS | |
|--------------|----------------|-------|----------|--------------|--------------|
| | VERTICAL ANGLE | 0° | 45° | 90° | ZUNAL LUMENS |
| 8 | 0 | 1100 | 1100 | 1100 | |
| DISTRIBUTION | 5 | 1100 | 1094 | 1093 | 104 |
| | 15 | 1060 | 1055 | 1052 | 298 |
| 동 | 25 | 991 | 994 | 981 | 452 |
| 8 | 35 | 704 | 838 | 684 | 470 |
| 8 | 45 | 317 | 488 | 306 | 305 |
| CANDLEPOWER | 55 | 181 | 204 | 174 | 173 |
| 夏 | 65 | 99 | 97 | 96 | 99 |
| 5 | 75 | 42 | 41 | 41 | 45 |
| | 85 | 6 | 6 | 5 | 9 |
| | 90 | 0 | 0 | 0 | |

| ZONE | LUMENS | % FIXTURE |
|---------|--------------------------------------|---|
| 0 - 30 | 854 | 44 |
| 0 - 40 | 1324 | 68 |
| 0 - 60 | 1802 | 92 |
| 0 - 90 | 1955 | 100 |
| 0 - 180 | 1955 | 100 |
| | 0 - 30 0 - 40 0 - 60 0 - 90 | 0 - 30 854 0 - 40 1324 0 - 60 1802 0 - 90 1955 |

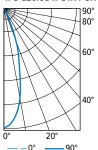
4PS-L20/9DW-DIM1-UNV-LM-OF-WH Total Luminaire Output: 2021 lumens; 37.7 Watts | Efficacy: 53.6 lm/W | 95.0 CRI; 3000K CCT



| | VERTICAL ANGLE | HORIZ | ZONTAL A | ZONAL LUMENS | |
|--------------------------|----------------|-------|----------|--------------|--------------|
| | VERTICAL ANGLE | 0° | 45° | 90° | ZUNAL LUMENS |
| 8 | 0 | 4343 | 4343 | 4343 | |
| CANDLEPOWER DISTRIBUTION | 5 | 4200 | 4188 | 4202 | 385 |
| | 15 | 2875 | 2876 | 2855 | 777 |
| S | 25 | 995 | 990 | 992 | 487 |
| | 35 | 290 | 293 | 308 | 198 |
| | 45 | 107 | 116 | 113 | 90 |
| | 55 | 48 | 53 | 49 | 46 |
| 夏 | 65 | 23 | 25 | 25 | 24 |
| ধ | 75 | 10 | 10 | 11 | 11 |
| | 85 | 0 | 1 | 1 | 2 |
| | 90 | 0 | 0 | 0 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE | | | | |
|---------------|---------|--------|-----------|--|--|--|--|
| Σ | 0 - 30 | 1648 | 82 | | | | |
| SU | 0 - 40 | 1847 | 91 | | | | |
| 핕 | 0 - 60 | 1983 | 98 | | | | |
| 흺 | 0 - 90 | 2021 | 100 | | | | |
| | 0 - 180 | 2021 | 100 | | | | |

4PS-L20/9DW-DIM1-UNV-LN-OF-WH Total Luminaire Output: 1956 lumens; 37.7 Watts | Efficacy: 51.9 lm/W | 95.0 CRI; 3000K CCT



| | VERTICAL ANGLE | HORIZ | ZONTAL A | ZONAL LUMENS | |
|--------------------------|----------------|-------|----------|--------------|--------------|
| | VERTICAL ANGLE | 0° | 45° | 90° | ZUNAL LUMENS |
| 8 | 0 | 5104 | 5104 | 5104 | |
| 5 | 5 | 4807 | 4766 | 4753 | 429 |
| 픑 | 15 | 2695 | 2727 | 2680 | 750 |
| S | 25 | 831 | 904 | 883 | 427 |
| CANDLEPOWER DISTRIBUTION | 35 | 230 | 248 | 261 | 167 |
| | 45 | 99 | 105 | 108 | 83 |
| Ĕ, | 55 | 56 | 61 | 59 | 54 |
| ᅙ | 65 | 27 | 32 | 30 | 30 |
| S | 75 | 10 | 12 | 12 | 13 |
| | 85 | 0 | 1 | 1 | 2 |
| | 90 | 0 | 0 | 0 | |

| SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------|---------|--------|-----------|
| Σ | 0 - 30 | 1607 | 82 |
| S | 0 - 40 | 1774 | 91 |
| LUMEN | 0 - 60 | 1911 | 98 |
| ⋛ | 0 - 90 | 1956 | 100 |
| | 0 - 180 | 1956 | 100 |

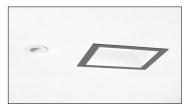
EMERGENCY BATTERY OPTIONS

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

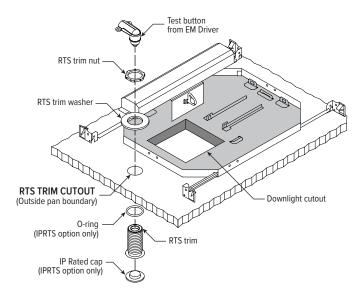
| | 11 77 1 3 1 7 1 |
|----------------|---|
| CATALOG NUMBER | DESCRIPTION |
| EM/7W | 7-watt emergency battery [1] |
| EM/7W/RTS | 7-watt emergency battery with regressed test switch [2] |
| EM/7W/IPRTS | 7-watt emergency battery with IP65 rated regressed test switch |
| EM/10W | 10-watt emergency 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 |

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

REGRESSED TEST SWITCH DETAILS



Shown Installed



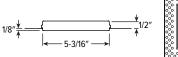
FLANGE TYPE DETAILS







MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



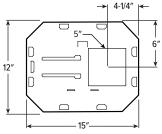


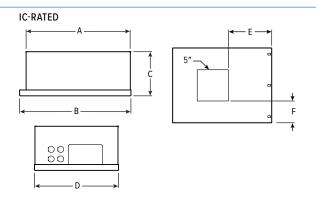
REFLECTOR FINISH DETAILS

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

MOUNTING TYPE DETAILS

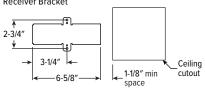


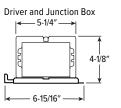




| | | LENGTH | | | | | | | |
|--------|----------|--------|--------|---------|----|---------|--|--|--|
| LUMENS | Α | В | С | D | E | F | | | |
| L7 | 1E 1/1C" | 16" | 4-1/2" | 12-1/8" | 7" | 3-9/16" | | | |
| L12 | 15-1/16" | "טו | 6-3/8" | 12-1/8" | 1" | 3-9/16" | | | |

REMODEL Cross Section 3-3/4" Receiver Bracket





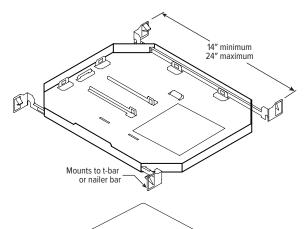
APERTURE ADAPTOR ORDERING INFO

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

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

MOUNTING HARDWARE DETAILS

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



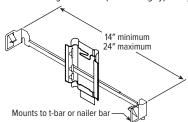
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Mounts to t-bar

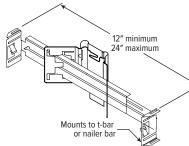
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



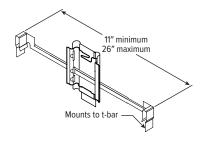
Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)



F1 with I Mounting Type

14" minimum 24" maximum