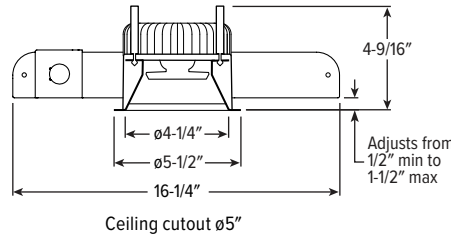


M4PR dim to WARM

4.5" MRI Shallow Plenum Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: M4PR - TL - L20/9DW - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M

HOUSING TRIM MOUNT

HOUSING

| SERIES | LUMENS ^[1] | COLOR | OPTIONS |
|----------|-----------------------|---|---|
| M4PR-TL | L7 700lm | 9DW Dim to warm (95 CRI, 1800K – 3000K) | ATH Airtight construction |
| TrimLock | L12 1,200lm | | CP Chicago plenum (CCEA) ^[2] |
| | L20 2,000lm | | |

TRIM^[3]

| TRIM TYPE | DISTRIBUTION ^[4] | 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 |
| | M 35° Medium | | WH White texture powder coat | AD Diffuse acrylic lens ^[5] |
| | N 25° Narrow | | BL Black texture powder coat | PD Diffuse 1/8" polycarbonate lens ^[6] |
| | | | | WET/CC Wet location, covered ceiling listed |
| | | | | AM Anti-microbial ^[7] |

MOUNTING

| MOUNTING TYPE ^[8] | MOUNTING HARDWARE ^[9] |
|---|---|
| N Open pan for new construction | F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included ^[11] |
| I IC-rated enclosure for new construction ^[10] | BA1M Adjustable butterfly pan bracket, aluminum, bar hanger not included ^[12] |
| | CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included ^[13] |

REMOTE DRIVER ENCLOSURE (ORDERED SEPARATELY)^[14]

ORDERING EXAMPLE: M4PR - RDBDW1 - L20 - OPTIONS - DIM1 - UNV

| SERIES | DRIVER BOX | DRIVER QTY. | LUMENS | OPTIONS | CONTROL ^[15] | VOLTAGE |
|--------|-------------------------------|-------------|-------------|--|--|--------------------------|
| M4PR | RDBDW Remote driver enclosure | 1 7 | L7 700lm | EM/10W 10-watt emergency battery ^[16] | DIM1 1% dimming driver (0-10V signal to control dimming and CCT) | UNV 120-277V |
| | | 2 8 | L12 1,200lm | F Fuse kit | | 347 347V ^[19] |
| | | 3 9 | L20 2,000lm | SDT Stepdown transformer ^[17] | LUT Lutron Ecosystem enabled ^[18] | |
| | | 4 10 | | | | |
| | | 5 11 | | | | |
| | | 6 12 | | | | |

NOTES

- ¹ Lumen output based on full light output, N Distribution and WH Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² I Mounting Type required.
- ³ Trim ships separately.
- ⁴ Beam angle based on WH Reflector Finish.
- ⁵ W Distribution only.
- ⁶ W Distribution only.
- ⁷ WH and BL Reflector Finishes only.
- ⁸ Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- ⁹ See page 3 for MOUNTING HARDWARE DETAILS.
- ¹⁰ L12 lumen package max.
- ¹¹ Universal bar hanger ships uninstalled.
- ¹² N Mounting Type only.
- ¹³ N Mounting Type only.
- ¹⁴ Required. Ordered as a separate catalog number, ships separately. See page 4 for REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY).
- ¹⁵ All drivers dimmed by single control signal.
- ¹⁶ Available with RDB1 only. Specify CEC in the option code when California Energy Commission regulations are required.
- ¹⁷ May be required for 347V, see product builder at [hew.com](http://www.hew.com).
- ¹⁸ Not available with I Mounting Type.
- ¹⁹ Not available with EM batteries.

M4PR dim to WARM

4.5" MRI Shallow Plenum Downlight – Round

FEATURES

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Mimic the comfortable, welcoming glow of incandescents with warm-dimming technology
- Designed with non-ferrous materials for MRI imaging suites
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Beam angles ranging from 25° narrow to 65° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Slim 5 inch depth for minimal plenum space applications
- Fully room-side accessible
- Made Right Here® in the USA

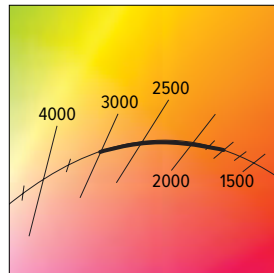
SPECIFICATIONS

- HOUSING** – Spun housing with forged aluminum heat sink. Aluminum splice compartment. Trim housing adjusts for ceiling thickness from 1/2" - 1-1/2".
- 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 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. RF filter required, provided by others.
- MOUNTING** – Recessed. Aluminum mounting pan for new construction or IC-rated enclosure. Minimum 24" O.C. marked spacing required for L20 (R Mounting Type). Remote mounted driver enclosure required, ordered separately, must be located outside MRI room.

- 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.
 - IP65 rated trim when specified with IP 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 | CCT AT 100% (FULL OUTPUT) | CCT AT 1% (FULL DIM) | WATTAGE | EFFICACY (lm/W) |
|-----|--------------|------------------|---------------------------|----------------------|---------|-----------------|
| L7 | W | 668 | 3000K | 1800K | 14.0 | 48 |
| | M | 777 | | | 14.0 | 56 |
| | N | 772 | | | 14.0 | 55 |
| L12 | W | 1171 | | | 23.4 | 50 |
| | M | 1363 | | | 23.4 | 58 |
| | N | 1353 | | | 23.4 | 58 |
| L20 | W | 1918 | | | 37.7 | 51 |
| | M | 2232 | | | 37.7 | 59 |
| | N | 2216 | | | 37.7 | 59 |



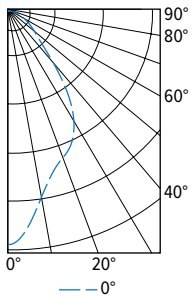
MULTIPLIER TABLE

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

- Photometrics tested in accordance with IESNA LM-79. Results based on full light output, N Distribution and WH Reflector Finish, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

PHOTOMETRY

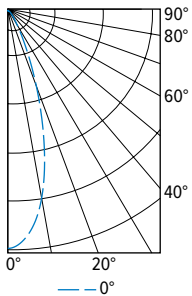
M4PR-TL-L20/9DW-DIM1-UNV-LW-OF-WH Total Luminaire Output: 1918 lumens; 37.7 Watts | Efficacy: 50.9 lm/W | 95.0 CRI; 3000K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 1535 | |
| | 5 | 1431 | 130 |
| | 15 | 1108 | 314 |
| | 25 | 970 | 443 |
| | 35 | 694 | 426 |
| | 45 | 319 | 255 |
| | 55 | 186 | 167 |
| | 65 | 109 | 109 |
| | 75 | 54 | 58 |
| | 85 | 14 | 17 |
| | 90 | 2 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 40 | 1313 | 68 |
| | 0 - 60 | 1735 | 90 |
| | 0 - 90 | 1918 | 100 |
| | 0-180 | 1918 | 100 |

M4PR-TL-L20/9DW-DIM1-UNV-LM-OF-WH Total Luminaire Output: 2232 lumens; 37.7 Watts | Efficacy: 59.2 lm/W | 95.0 CRI; 3000K CCT



| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 5244 | |
| | 5 | 4979 | 452 |
| | 15 | 3110 | 843 |
| | 25 | 1055 | 499 |
| | 35 | 316 | 207 |
| | 45 | 131 | 103 |
| | 55 | 68 | 61 |
| | 65 | 39 | 39 |
| | 75 | 20 | 21 |
| | 85 | 5 | 6 |
| | 90 | 1 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 40 | 2001 | 90 |
| | 0 - 60 | 2166 | 97 |
| | 0 - 90 | 2232 | 100 |
| | 0-180 | 2232 | 100 |

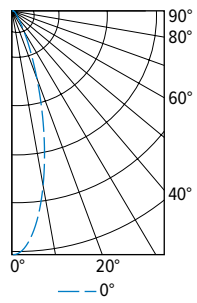
PHOTOMETRY CONTINUED ON NEXT PAGE.



M4PR dim to WARM

4.5" MRI Shallow Plenum Downlight – Round

M4PR-TL-L20/9DW-DIM1-UNV-LN-OF-WH Total Luminaire Output: 2216 lumens; 37.7 Watts | Efficacy: 58.8 lm/W | 95.0 CRI; 3000K CCT



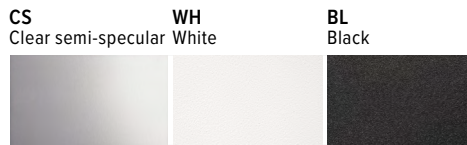
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 7437 | |
| | 5 | 6716 | 586 |
| | 15 | 3147 | 860 |
| | 25 | 841 | 404 |
| | 35 | 233 | 154 |
| | 45 | 110 | 86 |
| | 55 | 66 | 60 |
| | 65 | 40 | 39 |
| | 75 | 20 | 21 |
| | 85 | 5 | 6 |
| | 90 | 1 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 40 | 2004 | 90 |
| | 0 - 60 | 2150 | 97 |
| | 0 - 90 | 2216 | 100 |
| | 0-180 | 2216 | 100 |

TRIMLOCK DETAILS

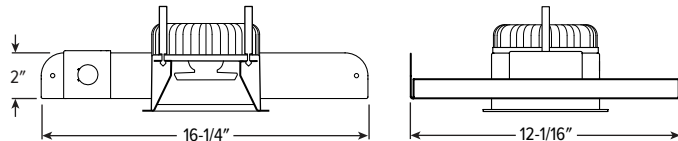


REFLECTOR FINISH DETAILS

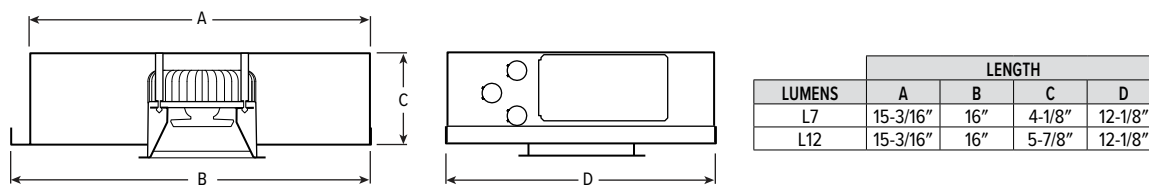


MOUNTING TYPE DETAILS

NEW CONSTRUCTION

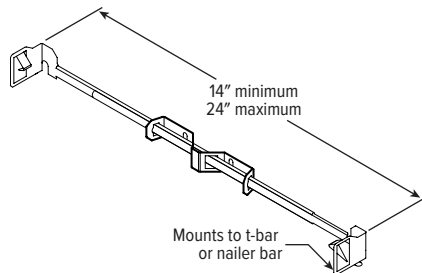


IC-RATED

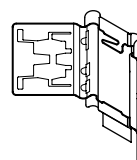


MOUNTING HARDWARE DETAILS

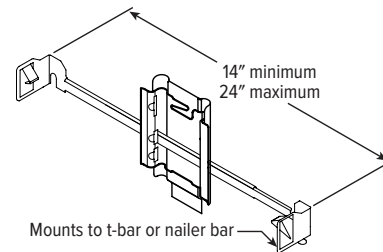
F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included



BA1M Adjustable butterfly pan bracket, aluminum, bar hanger not included (N Mounting Type only)



CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included (N Mounting Type only)

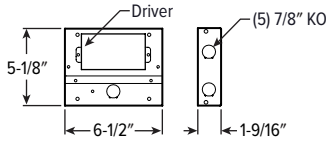


M4PR dim to WARM

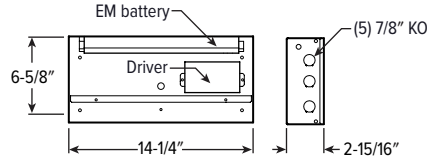
4.5" MRI Shallow Plenum Downlight – Round

REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

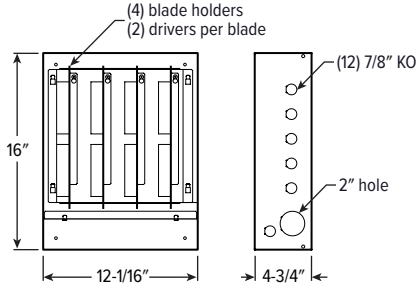
REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE



REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE WITH EMERGENCY BATTERY



REMOTE DRIVER ENCLOSURE FOR 2 - 8 FIXTURES



REMOTE DRIVER ENCLOSURE FOR 9 - 12 FIXTURES

