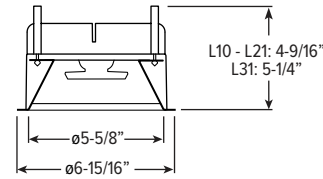


# M6PR tunable WHITE 6" MRI Shallow Plenum Downlight – Round



Pan Size: 12-1/6" x 16-1/4"

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

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

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

## FEATURES

### TrimLock™

- Williams TrimLock reflector retention system eliminates trim sag
- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- Designed with non-ferrous materials for MRI imaging suites
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Slim 5" depth for minimal plenum space applications
- Beam angles ranging from 25° narrow to 85° wide for tailored performance
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible

## 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, tempered glass lens.
- ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to splice compartment. 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. Aluminum mounting pan for new construction or IC-rated enclosure. 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.
  - Complies with ASTM-E283 when specified with ATH option.
  - RoHS compliant.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

ORDERING EXAMPLE:<sup>[1]</sup> **M6PR - TL - L10/8TW - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M**

## HOUSING

SERIES	LUMENS <sup>[2]</sup>	COLOR	OPTIONS
<b>M6PR-TL</b>	<b>L10</b> 1,000lm	<b>8TW</b> Tunable white (80 CRI, 2700K-5000K)	<b>ATH</b> Airtight construction <sup>[3]</sup>
TrimLock	<b>L21</b> 1,700lm		<b>CP</b> Chicago plenum (CCEA) <sup>[4]</sup>
	<b>L43</b> 4,300lm		

## TRIM

TRIM TYPE	DISTRIBUTION <sup>[5]</sup>	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
<b>L</b> Flush lens	<b>W</b> 85° Wide <b>M</b> 35° Medium <b>N</b> 25° Narrow	<b>OF</b> 1/2" standard flange <b>SF</b> 1/4" mud-in flange <sup>[6]</sup>	<b>WH</b> White texture powder coat <b>BL</b> Black texture powder coat	<b>IP</b> IP65 rated trim <b>AD</b> Diffuse acrylic lens <sup>[7]</sup> <b>WET/CC</b> Wet location, covered ceiling listed

## MOUNTING

MOUNTING TYPE <sup>[8]</sup>	MOUNTING HARDWARE <sup>[9]</sup>
<b>N</b> Open pan for new construction	<b>F1M</b> 2-Position fixed pan bracket, aluminum, universal bar hanger included
<b>I</b> IC-rated enclosure for new construction <sup>[10]</sup>	<b>BA1M</b> Adjustable butterfly pan bracket, aluminum, bar hanger not included <sup>[11]</sup>
	<b>CA1M</b> Adjustable caterpillar pan bracket, aluminum, universal bar hanger included

## REMOTE DRIVER ENCLOSURE (ORDERED SEPARATELY)<sup>[12]</sup>

ORDERING EXAMPLE: **M6PR - RDB1 - L10 - OPTIONS - DIM - UNV**

SERIES	DRIVER BOX	DRIVER QTY.	LUMENS	OPTIONS	CONTROL <sup>[13]</sup>	VOLTAGE	
<b>M6PR</b>	<b>RDB</b> Remote driver enclosure	<b>1</b>	<b>7</b>	<b>L10</b> 1,000lm	<b>EM/12W</b> 12-watt emergency battery <sup>[14]</sup>	<b>DALI</b> Driver prewired for DALI applications <b>DIM</b> Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT <b>DMX</b> Driver prewired for DMX applications	<b>UNV</b> 120-277V <b>347</b> 347V <sup>[16]</sup>
		<b>2</b>	<b>8</b>	<b>L21</b> 1,700lm			
		<b>3</b>	<b>9</b>	<b>L43</b> 4,300lm			
		<b>4</b>	<b>10</b>		<b>F</b> Fuse kit <b>SDT</b> Stepdown transformer <sup>[15]</sup>		
		<b>5</b>	<b>11</b>				
		<b>6</b>	<b>12</b>				

## NOTES

- Housing, trim, and mounting ship separately.
- Lumen output based on W distribution and WH finish, 4000K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- I Mounting Type required.
- I Mounting Type required.
- 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, CP or IP options.
- Wide distribution only.
- Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- See page 3 for MOUNTING HARDWARE DETAILS.
- L21 lumen package max.
- N Mounting Type only.
- Required. Ordered as a separate catalog number, ships separately. See page 4 for REMOTE DRIVER ENCLOSURE DETAILS.
- All drivers dimmed by single control signal.
- Available with RDB1 only.
- May be required for 347V, see product builder at [hew.com](http://hew.com)
- Not available with EM batteries.



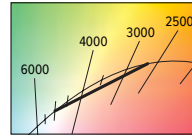
# M6PR tunable WHITE 6" MRI Shallow Plenum Downlight – Round

## FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1148	14.6	78.6
	M	1164	14.6	79.7
	N	1175	14.6	80.5
L21	W	2152	24.0	89.5
	M	2182	24.0	90.7
	N	2107	24.0	87.6
L43	W	4352	46.7	93.1
	M	4411	46.7	94.4
	N	4261	46.7	91.2

### MULTIPLIER TABLE

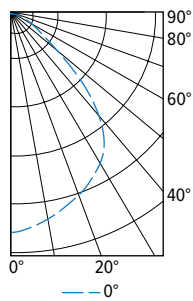
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03



- 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%
- Use multiplier tables to calculate additional options.

## PHOTOMETRY

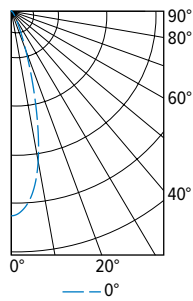
**M6PR-TL-L10/8TW-DIM-UNV-LW-OF-WH** Total Luminaire Output: 1148 lumens; 14.6 Watts | Efficacy: 78.6 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	608	
	5	597	56
	15	559	158
	25	514	237
	35	447	276
	45	289	219
	55	116	108
	65	58	58
	75	26	28
	85	6	7
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	728	63
	0 - 60	1055	92
	0 - 90	1148	100
	0 - 180	1148	100

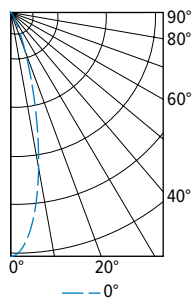
**M6PR-TL-L10/8TW-DIM-UNV-LM-OF-WH** Total Luminaire Output: 1164 lumens; 14.6 Watts | Efficacy: 79.7 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2679	
	5	2574	236
	15	1685	453
	25	533	254
	35	158	104
	45	70	55
	55	36	33
	65	19	19
	75	9	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1047	90
	0 - 60	1134	97
	0 - 90	1164	100
	0 - 180	1164	100

**M6PR-TL-L10/8TW-DIM-UNV-LN-OF-WH** Total Luminaire Output: 1175 lumens; 14.6 Watts | Efficacy: 80.5 lm/W | 80.0 CRI; 4037K CCT



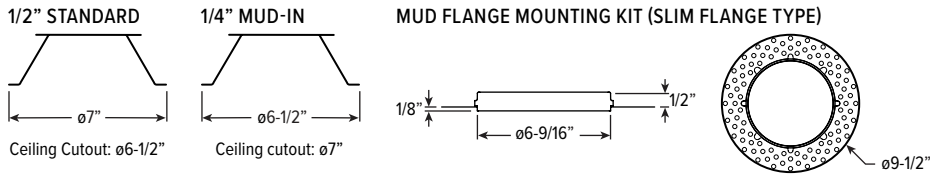
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4341	
	5	3924	341
	15	1682	463
	25	401	195
	35	110	73
	45	56	44
	55	34	31
	65	19	19
	75	8	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1071	91
	0 - 60	1145	97
	0 - 90	1175	100
	0 - 180	1175	100

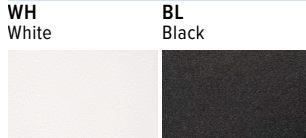


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## FLANGE TYPE DETAILS

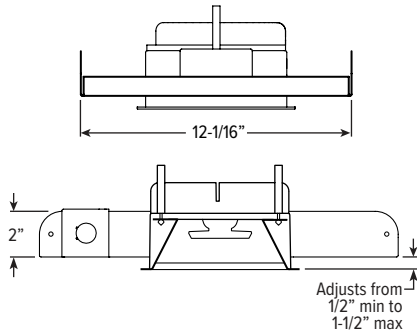


## REFLECTOR FINISH DETAILS

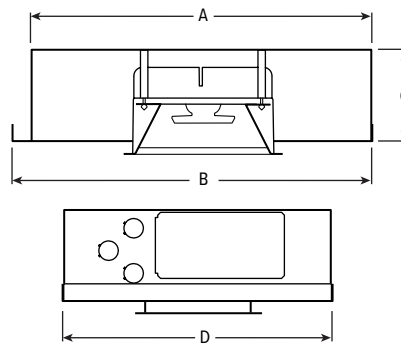


## MOUNTING TYPE DETAILS

### NEW CONSTRUCTION



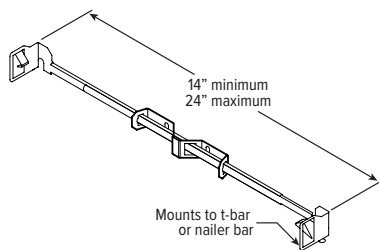
### IC-RATED



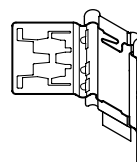
LUMENS	LENGTH			
	A	B	C	D
L10	15-3/16"	16"	4-1/8"	12-1/8"
L21	15-3/16"	16"	5-7/8"	12-1/8"

## MOUNTING HARDWARE DETAILS

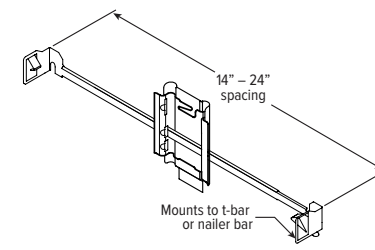
**F1M** 2-Position fixed pan bracket, aluminum, universal bar hanger included



**BA1M** Adjustable butterfly pan bracket, aluminum, bar hanger not included



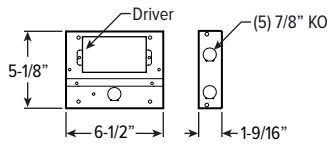
**CA1M** Adjustable caterpillar pan bracket, aluminum, universal bar hanger included



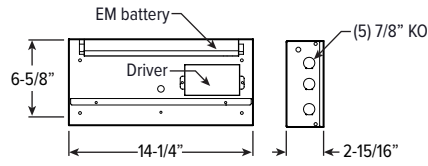
# M6PR tunable **WHITE** 6" MRI Shallow Plenum Downlight – Round

## REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

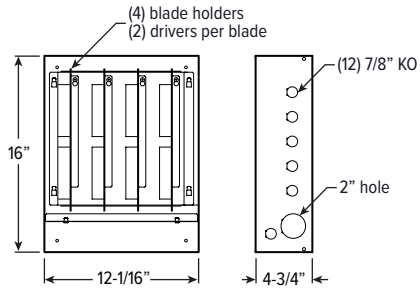
Remote driver enclosure for single fixture



Remote driver enclosure for single fixture with EM/12W



Remote driver enclosure for 2 - 8 fixtures



Remote driver enclosure for 9 - 12 fixtures

