M6PR tunable WHITE
6″ MRI Shallow Plenum Downlight – Round

Williams

L10 - L21: 4-9/16″
L43: 5-1/4″

ø5-5/8″

16-1/4″

Adjusts from 1/2″ min to 1-1/2″ max

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

ORDERING EXAMPLE: M6PR - TL - L10/8TW - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M

— HOUSING — | — TRIM — | MOUNT.

HOUSING

SERIES	LUMENS [1]		COLOR		OPTIONS	
M6PR -TL TrimLock	**L10**	1,000lm	**8TW**	Tunable white (80 CRI, 2700K-5000K)	**ATH**	Airtight construction
	L21	2,100lm			**CP**	Chicago plenum (CCEA) [2]
	L43	4,300lm				

TRIM [3]

TRIM TYPE	DISTRIBUTION [4]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	**W** 85° Wide **M** 35° Medium [5] **N** 25° Narrow [6]	**OF** 1/2″ standard flange **SF** 1/4″ mud-in flange [7]	**CS** Clear semi-specular powder coat **WH** White texture powder coat **BL** Black texture powder coat	**IP** IP65 rated trim **AD** Diffuse acrylic lens [8] **PD** Diffuse 1/8″ polycarbonate lens [9] **WET/CC** Wet location, covered ceiling listed [10] **AM** Anti-microbial [11]

MOUNTING

MOUNTING TYPE [12]	MOUNTING HARDWARE [13]
N Open pan for new construction **I** IC-rated enclosure for new construction [14]	**F1M** Factory-installed 2-position fixed pan bracket, universal bar hanger included [15] **BA1M** Adjustable butterfly pan bracket, aluminum, bar hanger not included [16] **CA1M** Adjustable caterpillar pan bracket, aluminum, universal bar hanger included [17]

REMOTE DRIVER ENCLOSURE (ORDERED SEPARATELY) [18]

ORDERING EXAMPLE: M6PR - RDBTW1 - L10 - OPTIONS - DIM - UNV

SERIES	DRIVER BOX	DRIVER QTY.		LUMENS		OPTIONS	CONTROL [19]	VOLTAGE
M6PR	**RDBTW** Remote driver enclosure	**1** **2** **3** **4** **5** **6**	**7** **8** **9** **10** **11** **12**	**L10** **L21** **L43**	1,000lm 2,100lm 4,300lm	**EM/10W** 10-watt emergency battery [20] **F** Fuse kit	**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%. [21]	**UNV** 120-277V

NOTES

1. Lumen output based on 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. Trim ships separately.
4. Beam angle based on WH reflector finish.
5. Not available with lumen stop L43.
6. Not available with lumen stop L43.
7. 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.
8. Wide distribution only.
9. Wide distribution only.
10. Not available with PD trim option.
11. WH and BL Reflector Finishes only.
12. Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
13. See page 4 for MOUNTING HARDWARE DETAILS.
14. L21 lumen package max.
15. Universal bar hanger ships uninstalled.
16. N Mounting Type only.
17. N Mounting Type only.
18. Required. Ordered as a separate catalog number, ships separately. See page 4 for REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY).
19. All drivers dimmed by single control signal.
20. Available with RDB1 only. Specify CEC in the option code when California Energy Commission regulations are required.
21. Not available with I Mounting Type.

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M6PR tunable WHITE
6″ MRI Shallow Plenum Downlight – Round

FEATURES

TrimLock®

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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 25º narrow to 85º wide for tailored performance
- 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, acrylic lens.
- ELECTRICAL – High-performance Class 2 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. Remote mounted driver box must be located outside MRI room, RF filter required, provided by others.
- 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.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
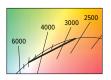- WARRANTY – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1148	14.6	79
L10	M	1164	14.6	80
L10	N	1175	14.6	81
L21	W	2152	24.0	90
L21	M	2182	24.0	91
L21	N	2107	24.0	88
L43	W	4352	46.7	93

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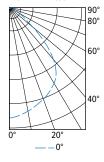
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC 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.
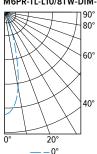- Use multiplier tables to calculate additional options.

PHOTOMETRY

M6PR-TL-L10/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1148 lumens; 14.6 Watts | Efficacy: 78.6 lm/W | 80 CRI; 4000K CCT

CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	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 CRI; 4000K CCT
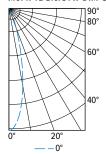
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	2679	
	5	2574	236
	15	1685	453
	25	533	254
	35	158	104
	45	70	55
	55	36	33
	65	19	19
	75	9	9
	85	2	2
	90	0	

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

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M6PR-TL-L10/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1175 lumens; 14.6 Watts | Efficacy: 80.5 lm/W | 80 CRI; 4000K CCT

CANDLEPOWER DISTRIBUTION VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
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

TRIMLOCK DETAILS

TWIST

PULL

RELEASE

FLANGE TYPE DETAILS

1/2" STANDARD

ø7"
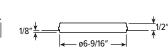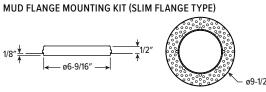
Ceiling Cutout: ø6-1/2"

1/4" MUD-IN

ø6-1/2"

Ceiling cutout: ø7"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)

1/8"   ø6-9/16"   1/2"

ø9-1/2"

REFLECTOR FINISH DETAILS

CS
Clear semi-specular

WH
White
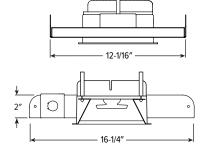
BL
Black
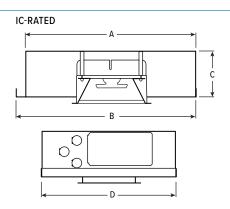
MOUNTING TYPE DETAILS

NEW CONSTRUCTION

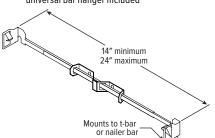12-1/16"

2"

16-1/4"

IC-RATED

A

C

B

D

	LENGTH			
LUMENS	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"

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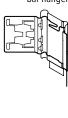
MOUNTING HARDWARE DETAILS

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

14" minimum
24" maximum

Mounts to t-bar or nailer bar
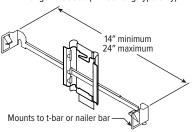
BA1M Adjustable butterfly pan bracket, aluminum, bar hanger not included (N Mounting Type only)
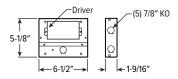
CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included (N Mounting Type only)
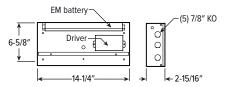
14" minimum
24" maximum

Mounts to t-bar or nailer bar

REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE

Driver
(5) 7/8" KO
5-1/8"
6-1/2"
1-9/16"
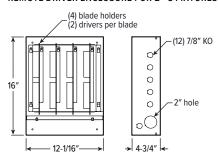
REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE WITH EMERGENCY BATTERY

EM battery
Driver
(5) 7/8" KO
6-5/8"
14-1/4"
2-15/16"

REMOTE DRIVER ENCLOSURE FOR 2 - 8 FIXTURES

(4) blade holders
(2) drivers per blade
(12) 7/8" KO
2" hole
16"
12-1/16"
4-3/4"

REMOTE DRIVER ENCLOSURE FOR 9 - 12 FIXTURES

(6) blade holders
(2) drivers per blade
(16) 7/8" KO
2" hole
16"
18-1/16"
4-3/4"

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