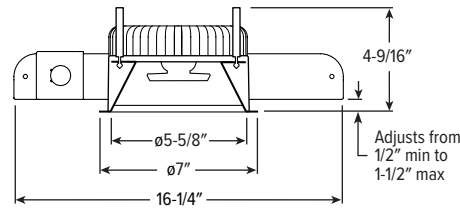


M6PR LED 6" MRI Shallow Plenum Downlight – Round



L10 – L30 Lumens shown

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- 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
- Fully room-side accessible
- Low UGR meets LEED and WELL requirements
- 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 splice compartment. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours. Remote mounted driver enclosure required, ordered separately, must be located outside MRI room, 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 L50 lumen package. Remote mounted driver box must be located outside MRI room, RF filter required, provided by others.
- 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.

ORDERING EXAMPLE: **M6PR - TL - L20/835 - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M**

HOUSING

SERIES	LUMENS ⁽¹⁾	CRI	CCT	OPTIONS
M6PR - TL	L10 1,000lm	8 80	27 2700K	ATH Airtight construction
TrimLock	L15 1,500lm	9 90	30 3000K	CP Chicago plenum (CCEA) ⁽³⁾
	L20 2,000lm		35 3500K	
	L30 3,000lm		40 4000K	
	L40 4,000lm		50 5000K	
	L50 5,000lm ⁽²⁾			

TRIM ⁽⁴⁾

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

MOUNTING

MOUNTING TYPE ⁽⁹⁾

- N** Open pan for new construction
- I** IC-rated enclosure for new construction ⁽¹¹⁾

MOUNTING HARDWARE ⁽¹⁰⁾

- F1M** Factory-installed 2-position fixed pan bracket, universal bar hanger included ⁽¹²⁾
- BA1M** Adjustable butterfly pan bracket, aluminum, bar hanger not included ⁽¹³⁾
- CA1M** Adjustable caterpillar pan bracket, aluminum, universal bar hanger included ⁽¹⁴⁾

REMOTE DRIVER ENCLOSURE (ORDERED SEPARATELY) ⁽¹⁵⁾

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

SERIES	DRIVER BOX	DRIVER QTY.	LUMENS	OPTIONS	DRIVER ⁽¹⁶⁾	VOLTAGE	
M6PR	RDB Remote driver enclosure	1	7	L10 1,000lm	EM/10W 10-watt emergency battery ⁽¹⁸⁾	DIM Dimming driver, 0-10V	UNV 120-277V ⁽²¹⁾
		2	8	L15 1,500lm			
		3	9	L20 2,000lm	EM/7W 7-watt emergency ⁽¹⁹⁾	DIM1 1% Dimming driver, 0-10V	
		4	10	L30 3,000lm			
		5	11	L40 4,000lm	F Fuse kit SDT Stepdown transformer ⁽²⁰⁾		
		6	12	L50 5,000lm ⁽¹⁷⁾			

NOTES

- Lumen output based on W Distribution and WH Reflector Finish, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Available with RDB1 only.
- I Mounting Type required.
- Trim ships separately.
- Beam angle based on WH Reflector Finish.
- W Distribution only.
- W Distribution only.
- WH and BL Reflector Finishes 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.
- L30 lumen package max.
- Universal bar hanger ships uninstalled.
- N Mounting Type only.
- N Mounting Type only.
- Required. Ordered as a separate catalog number, ships separately. See page 4 for REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY).
- All drivers dimmed by single control signal. See page 4 for ADDITIONAL DRIVER OPTIONS.
- Available with RDB1 only.
- Available with RDB1 only. Not available with L10 lumen package. Specify CEC in the option code when California Energy Commission regulations are required.
- Specify CEC in the option code when California Energy Commission regulations are required.
- May be required for 347V, see product builder at hew.com/product-builder.
- Not available with EM batteries or DMX controls.



M6PR LED

6" MRI Shallow Plenum Downlight – Round

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1111	10.7	104
	M	1127	10.7	105
	N	1137	10.7	106
L15	W	1696	16.6	102
	M	1720	16.6	104
	N	1736	16.6	105
L20	W	2208	22.7	97
	M	2239	22.7	99
	N	2260	22.7	100
L30	W	3293	33.2	99
	M	3309	33.2	100
	N	3224	33.2	97
L40	W	4394	44.1	100
	M	4415	44.1	100
	N	4302	44.1	98
L50	W	5503	54.7	101
	M	5529	54.7	101
	N	5388	54.7	99

MULTIPLIER TABLES

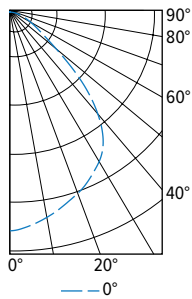
		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	2700K	0.92	
	3000K	0.98	
	3500K	1.00	
	4000K	1.01	
90 CRI	2700K	0.76	
	3000K	0.79	
	3500K	0.82	
	4000K	0.84	
		5000K	0.88

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- Photometrics tested in accordance with IESNA LM-79. Results based on O Trim Type, W Distribution, CS Reflector Finish, 80 CRI/3500K CCT, 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 tables to calculate additional options.

PHOTOMETRY

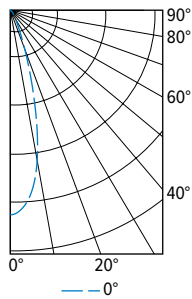
M6PR-TL-L20/835-LW-OF-WH Total Luminaire Output: 2208 lumens; 22.7 Watts | Efficacy: 97.3 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1169	
	5	1148	81
	15	1075	174
	25	989	243
	35	859	267
	45	556	183
	55	223	86
	65	111	47
	75	51	21
	85	12	3
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1399	64
	0 - 60	2029	92
	0 - 90	2208	100
	0 - 180	2208	100

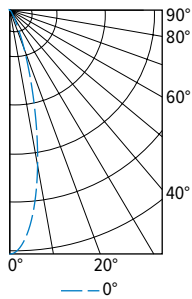
M6PR-TL-L20/835-LM-OF-WH Total Luminaire Output: 2239 lumens; 22.7 Watts | Efficacy: 98.8 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5151	
	5	4950	333
	15	3241	421
	25	1025	188
	35	304	80
	45	134	46
	55	70	27
	65	36	15
	75	17	7
	85	3	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2013	90
	0 - 60	2182	97
	0 - 90	2239	100
	0 - 180	2239	100

M6PR-TL-L20/835-LN-OF-WH Total Luminaire Output: 2260 lumens; 22.7 Watts | Efficacy: 99.7 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	8348	
	5	7547	466
	15	3235	381
	25	771	137
	35	212	57
	45	107	38
	55	66	27
	65	37	16
	75	16	7
	85	3	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2060	91
	0 - 60	2203	98
	0 - 90	2260	100
	0 - 180	2260	100



M6PR LED 6" MRI Shallow Plenum Downlight – Round

TRIMLOCK DETAILS



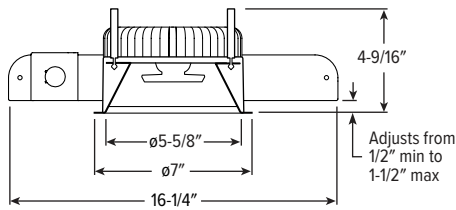
REFLECTOR FINISH DETAILS



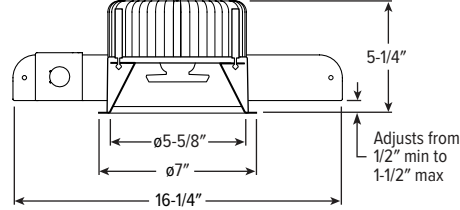
CROSS SECTIONS

Ceiling cutout $\phi 6-1/2"$

L10 – L30 LUMENS

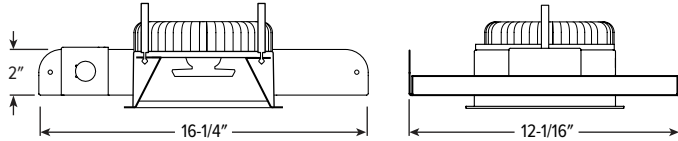


L40 – L50 LUMENS

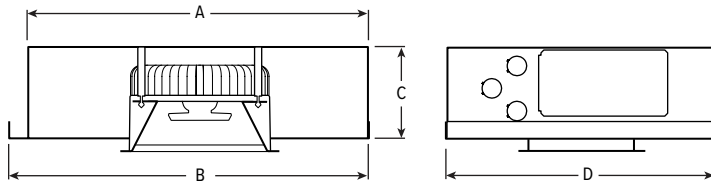


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



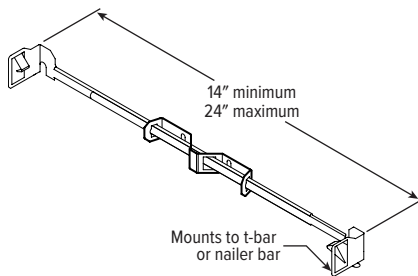
IC-RATED



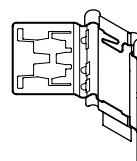
LUMENS	LENGTH			
	A	B	C	D
L10 - L30	15-3/16"	16"	4-1/8"	12-1/8"

MOUNTING HARDWARE DETAILS

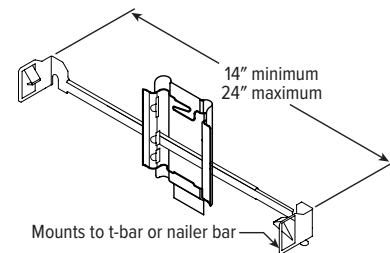
F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included



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



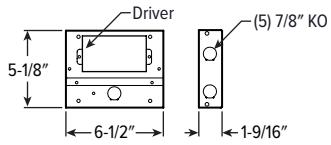
CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included (N Mounting Type only)



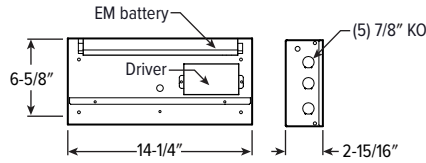
M6PR LED 6" MRI Shallow Plenum Downlight – Round

REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

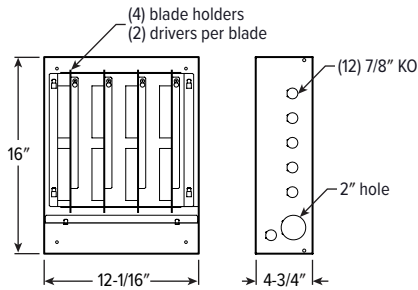
REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE



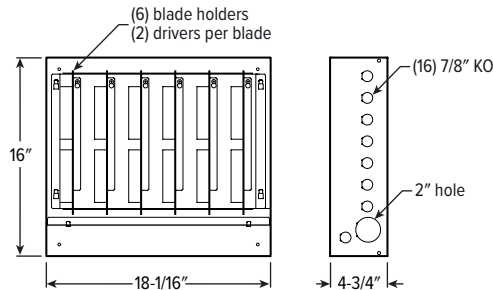
REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE WITH EMERGENCY BATTERY



REMOTE DRIVER ENCLOSURE FOR 2 - 8 FIXTURES



REMOTE DRIVER ENCLOSURE FOR 9 - 12 FIXTURES



ADDITIONAL DRIVER OPTIONS

Lumen restrictions apply: L30 max for DMX driver, L30 max for Lutron drivers. 347V may require stepdown transformer, see product builder at hew.com/product-builder. I Mounting Type not available with Lutron controls.

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DA	Dimming driver with 12V auxiliary
DMX	0.1% dimming driver for DMX controls
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

