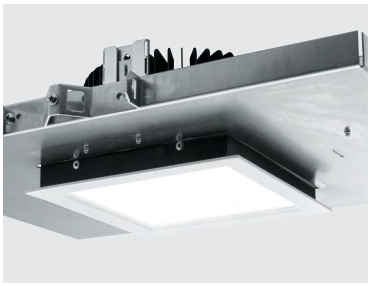
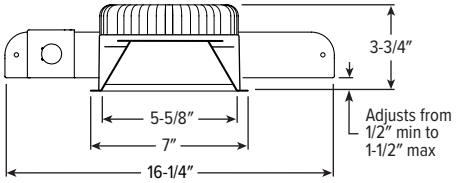
M6PS LED
6" MRI Shallow Plenum Downlight – Square





L10 – L30 Lumens shown

CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | CCEA Approved | Low UGR | IP65 Rated | WET/CC | TW

ORDERING EXAMPLE: M6PS - L40/835 - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M
(HOUSING | TRIM | MOUNT.)

HOUSING

SERIES	LUMENS [1]	CRI	CCT	OPTIONS
M6PS	**L10** 1,000lm	**8** 80	**27** 2700K	**ATH** Airtight construction
	L15 1,500lm	**9** 90 [3]	**30** 3000K	**CP** Chicago plenum (CCEA) [4]
	L20 2,000lm		**35** 3500K	
	L30 3,000lm		**40** 4000K	
	L40 4,000lm		**50** 5000K	
	L50 5,000lm [2]		**TW** Tunable White (80 CRI, 2700K-5000K)	

TRIM [5]

TRIM TYPE	DISTRIBUTION [6]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	**W** 85° 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 [7]
	N 30° Narrow		**BL** Black texture powder coat	**PD** Diffuse 1/8" polycarbonate lens [8]
				WET/CC Wet location, covered ceiling listed
				AM Anti-microbial [9]

MOUNTING

MOUNTING TYPE [10]

N Open pan for new construction
I IC-rated enclosure for new construction [12]

MOUNTING HARDWARE [11]

F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included [13]
BA1M Adjustable butterfly pan bracket, aluminum, bar hanger not included [14]
CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included [15]

REMOTE DRIVER ENCLOSURE (ORDERED SEPARATELY) [16]

ORDERING EXAMPLE: M6PS - RDB1 - L40 - OPTIONS - DIM - UNV

SERIES	DRIVER BOX	DRIVER QTY.	LUMENS	OPTIONS	DRIVER [17]	VOLTAGE
M6PS	**RDB** Remote driver enclosure	**1** **7**	**L10** 1,000lm	**EM/10W** 10-watt emergency battery [19]	*See page 4 for ADDITIONAL DRIVER OPTIONS.*	**UNV** 120-277V
		2 **8**	**L15** 1,500lm	**EM/7W** 7-watt emergency battery [20]	**DIM** Dimming driver, 0-10V [22]	**347** 347V [24]
		3 **9**	**L20** 2,000lm	**F** Fuse kit	**DIM1** 1% Dimming driver, 0-10V [23]	
		4 **10**	**L30** 3,000lm	**SDT** Stepdown transformer [21]	**DMX** Driver prewired for DMX applications	
		5 **11**	**L40** 4,000lm			
		6 **12**	**L50** 5,000lm [18]			

NOTES

1. Lumen output based on W Distribution and WH Reflector Finish, 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
2. Available with RDB1 only. Not available with tunable white.
3. Not available with tunable white.
4. I Mounting Type required.
5. Trim ships separately.
6. Beam angle based on WH Reflector Finish.
7. Wide Distribution only.
8. Wide Distribution only.
9. WH and BL Reflector Finishes only.
10. Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
11. See page 3 for MOUNTING HARDWARE DETAILS.
12. L30 lumen package max.
13. Universal bar hanger ships uninstalled.
14. N Mounting Type only.
15. N Mounting Type only.
16. Required. Ordered as a separate catalog number, ships separately. See page 4 for REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY).
17. All drivers dimmed by single control signal.
18. Available with RDB1 only. Not available with tunable white.
19. Available with RDB1 only. Not available with L10 lumen package. Specify CEC in the option code when California Energy Commission regulations are required.
20. Specify CEC in the option code when California Energy Commission regulations are required.
21. May be required for 347V, see product builder at hew.com/product-builder
22. 0.1% Driver with tunable white.
23. Not available with tunable white.
24. Not available with Tunable White, EM batteries or DMX Driver.

M6PS LED
6" MRI Shallow Plenum Downlight – Square

FEATURES

- 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 30° narrow to 85° wide for tailored performance
- Square shape accentuates architectural styles
- Spring clip retention system eliminates trim sag
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Industry-leading efficacies as high as 100 lm/W
- 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".
- 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>50,000 hours. Estimated L70 = 200,000 hours. Remote mounted driver enclosure required, ordered separately, must be located outside MRI room. 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. Minimum 24" O.C. marked spacing required for L40 and L50 lumen packages. 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.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1067	10.7	100
	M	1012	10.7	95
	N	971	10.7	91
L15	W	1643	17.2	96
	M	1558	17.2	91
	N	1495	17.2	87
L20	W	2139	23.5	91
	M	2029	23.5	86
	N	1947	23.5	83
L30	W	3222	33.2	97
	M	3056	33.2	92
	N	2932	33.2	88
L40	W	4509	44.5	101
	M	4284	44.5	96
	N	4107	44.5	92
L50	W	5387	54.7	99
	M	–	–	–
	N	–	–	–

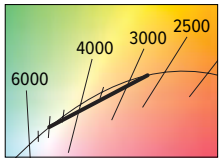
- Photometrics tested in accordance with IESNA LM-79. Results based on W Distribution, WH Reflector Finish, 80 CRI, 3500K for single CCT and 4000K for tunable white, wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

	COLOR TEMPERATURE		
	CCT	SINGLE CCT	TW
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	–
	3000K	0.79	–
	3500K	0.82	–
	4000K	0.84	–
	5000K	0.88	–

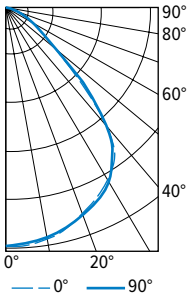
TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

TUNABLE WHITE



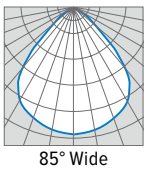
PHOTOMETRY

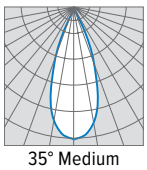
M6PS-L40/835-DIM-UNV-LW-OF-WH Total Luminaire Output: 4509 lumens; 44.5 Watts | Efficacy: 101.3 lm/W | 80 CRI; 3500K CCT

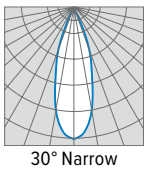


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	2230	2230	2230	
	5	2230	2218	2211	212
	15	2150	2134	2140	607
	25	1999	1979	1995	921
	35	1774	1772	1731	1109
	45	1058	1336	1048	915
	55	400	627	385	431
	65	192	232	193	207
	75	84	90	85	92
	85	17	15	17	16
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1739	39
	0 - 40	2848	63
	0 - 60	4194	93
	0 - 90	4509	100
	0 - 180	4509	100


85° Wide


35° Medium


30° Narrow

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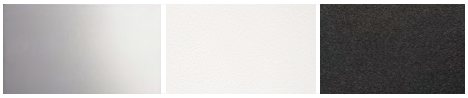
REFLECTOR FINISH DETAILS

CS Clear semi-specular

WH White

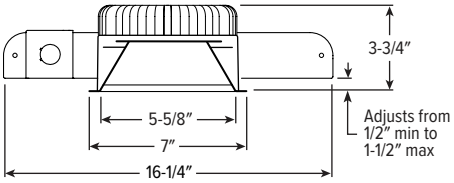
BL Black



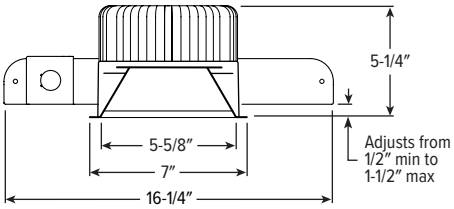
CROSS SECTIONS

Ceiling cutout ø6-1/2″

L10 – L30 LUMENS

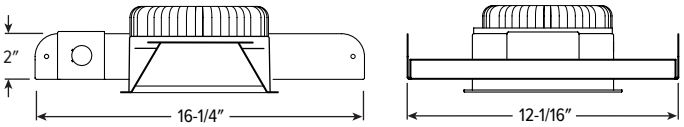


L40 – L50 LUMENS

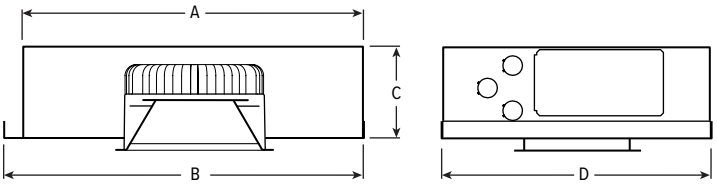


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



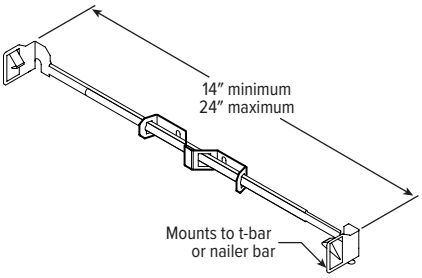
IC-RATED



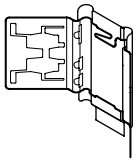
	LENGTH			
LUMENS	A	B	C	D
L10 - L30	15-3/16″	16″	4-1/8″	12-1/8″

MOUNTING HARDWARE DETAILS

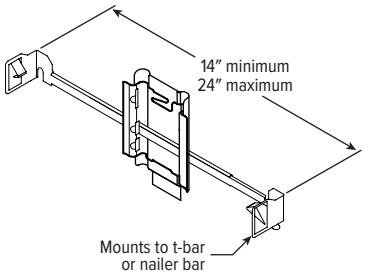
F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included



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)



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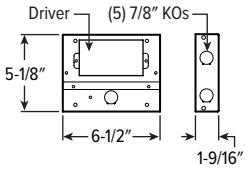
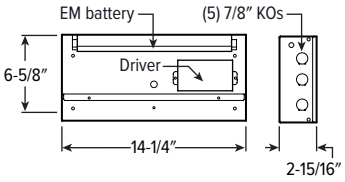
REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

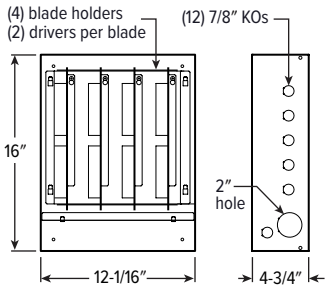
SINGLE FIXTURE



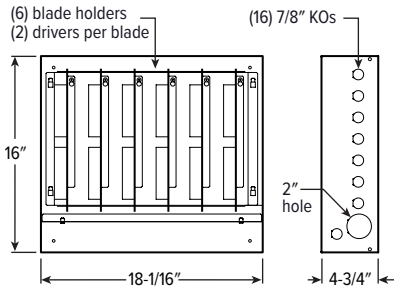
SINGLE FIXTURE WITH EM BATTERY



2 - 8 FIXTURES



9 - 12 FIXTURES



ADDITIONAL DRIVER OPTIONS

Restrictions may apply and 347V may require stepdown transformer, consult product builder at hew.com/product-builder. I Mounting Type not available with Lutron controls.

CATALOG NUMBER	DESCRIPTION
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls 0.1% dimming and (1) 0-10V signal controls CCT)
DIM1 [1]	1% driver with external dimming wires prewired for 0-10V low voltage applications
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%

1 Single CCT only.