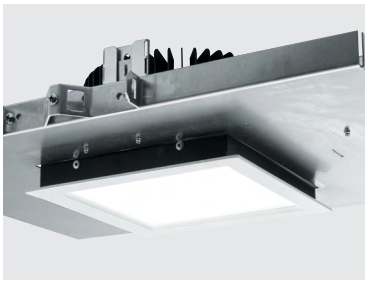
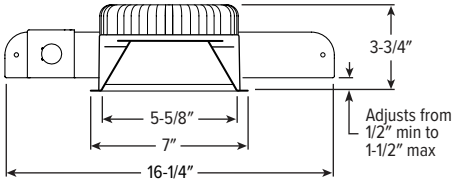
M6PS dim to WARM
6″ MRI Shallow Plenum Downlight – Square





Ceiling cutout ø6-1/2″

CATALOG #:

TYPE:

PROJECT:

BUY AMERICAN ACT COMPLIANT | CCEA Approved | IP65 Rated | Low UGR | WET/CC

ORDERING EXAMPLE: M6PS - L21/9DW - OPTIONS - LW - OF - WH - TRIM OPTIONS - N - F1M
(HOUSING | TRIM | MOUNT.)

HOUSING

SERIES	LUMENS [1]	COLOR	OPTIONS
M6PS	**L7** 700lm	**9DW** Dim to warm (95 CRI, 1800K – 3000K)	**ATH** Airtight construction
	L13 1,300lm		**CP** Chicago plenum (CCEA) [2]
	L21 2,100lm		

TRIM [3]

TRIM TYPE	DISTRIBUTION [4]	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 [5]
	N 30° 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]

N Open pan for new construction
I IC-rated enclosure for new construction [10]

MOUNTING HARDWARE [9]

F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included [11]
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: M6PS - RDBDW1 - L21 - OPTIONS - DIM1 - UNV

SERIES	DRIVER BOX	DRIVER QTY.	LUMENS	OPTIONS	CONTROL [15]	VOLTAGE
M6PS	**RDBDW** Remote driver enclosure	**1** **7** **2** **8** **3** **9** **4** **10** **5** **11** **6** **12**	**L7** 700lm **L13** 1,300lm **L21** 2,100lm	**EM/10W** 10-watt emergency battery [16] **F** Fuse kit **SDT** Stepdown transformer [17]	**DIM1** 1% dimming driver (0-10V signal to control dimming and CCT) **LUT** Lutron Ecosystem enabled [18]	**UNV** 120-277V **347** 347V [19]

NOTES

1 Lumen output based on full light output, W 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 L13 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/product-builder.
18 Not available with I Mounting Type.
19 Not available with EM batteries.

M6PS dim to WARM
6″ MRI Shallow Plenum Downlight – Square

FEATURES

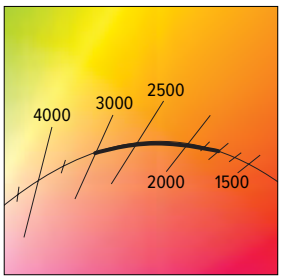
- Mimic the comfortable, welcoming glow of incandescents with warm-dimming technology
- Designed with non-ferrous materials for MRI imaging suites
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Slim 5″ depth for minimal plenum space applications
- Beam angles ranging from 30° narrow to 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
- 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″.
- 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. 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	825	3000K	1800K	14.0	59
	M	784			14.0	56
	N	752			14.0	54
L13	W	1447			23.4	62
	M	1374			23.4	59
	N	1318			23.4	56
L21	W	2141			37.7	57
	M	2030			37.7	54
	N	1948			37.7	52



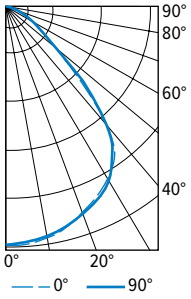
MULTIPLIER TABLE

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, WH Reflector Finish, W Distribution, 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

M6PS-L21/9DW-DIM1-UNV-LW-OF-WH Total Luminaire Output: 2141 lumens; 37.7 Watts | Efficacy: 56.8 lm/W | 95.0 CRI; 3000K CCT



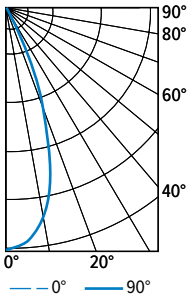
CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	1059	1059	1059	
5	1059	1054	1050	100
15	1021	1014	1017	287
25	950	940	948	436
35	843	842	822	517
45	503	635	498	427
55	190	298	183	217
65	91	110	92	101
75	40	43	40	45
85	8	7	8	9
90	0	0	0	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	823	38
0 - 40	1340	63
0 - 60	1984	93
0 - 90	2141	100
0 - 180	2141	100

M6PS-L21/9DW-DIM1-UNV-LM-OF-WH Total Luminaire Output: 2030 lumens; 37.7 Watts | Efficacy: 53.8 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	4173	4173	4173	
5	4090	4062	4036	375
15	2869	2893	2910	777
25	936	981	979	480
35	280	295	296	197
45	117	125	124	99
55	59	66	59	57
65	29	32	29	30
75	12	12	12	13
85	1	2	1	3
90	0	0	0	

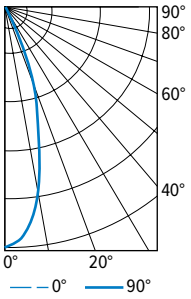
LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	1632	80
0 - 40	1828	90
0 - 60	1984	98
0 - 90	2030	100
0 - 180	2030	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

M6PS dim to WARM
6″ MRI Shallow Plenum Downlight – Square

M6PS-L21/9DW-DIM1-UNV-LN-OF-WH Total Luminaire Output: 1948 lumens; 37.7 Watts | Efficacy: 51.7 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	4728	4728	4728	
5	4496	4461	4458	404
15	2628	2652	2636	723
25	820	875	861	421
35	244	257	261	174
45	115	126	124	96
55	72	82	74	69
65	39	44	41	42
75	15	17	15	17
85	1	1	1	3
90	0	0	v0	

LUMEN SUMMARY

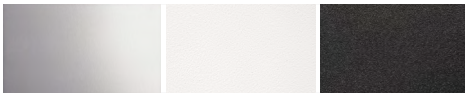
ZONE	LUMENS	% FIXTURE
0 - 30	1547	79
0 - 40	1721	88
0 - 60	1886	97
0 - 90	1948	100
0 - 180	1948	100

REFLECTOR FINISH DETAILS

CS Clear semi-specular

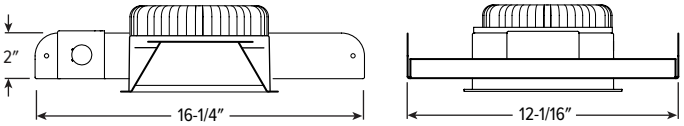
WH White

BL Black

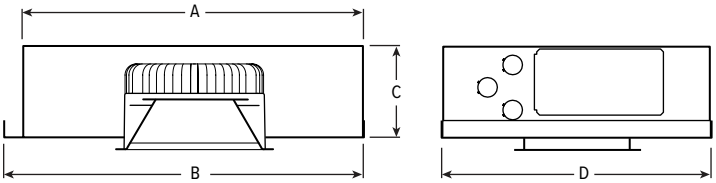


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



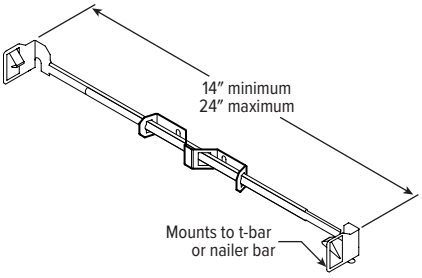
IC-RATED



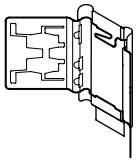
LUMENS	LENGTH A	B	C	D
L7	15-3/16″	16″	4-1/8″	12-1/8″
L13	15-3/16″	16″	5-7/8″	12-1/8″

MOUNTING HARDWARE DETAILS

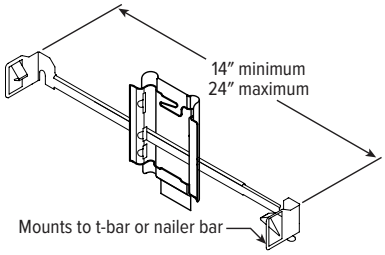
F1M Factory-installed 2-position fixed pan bracket, universal bar hanger included



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



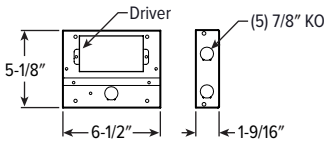
CA1M Adjustable caterpillar pan bracket, aluminum, universal bar hanger included (N Mounting Type only)



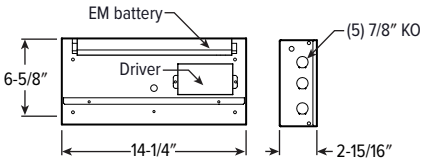
M6PS dim to WARM
6″ MRI Shallow Plenum Downlight – Square

REMOTE DRIVER ENCLOSURE DETAILS (ORDERED & SHIPPED SEPARATELY)

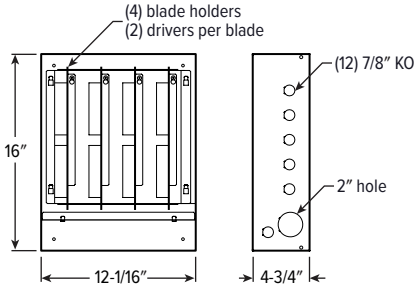
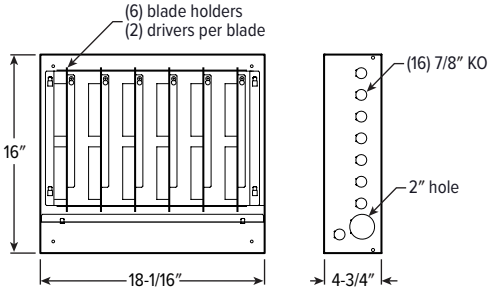
REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE



REMOTE DRIVER ENCLOSURE FOR SINGLE FIXTURE WITH EMERGENCY BATTERY



REMOTE DRIVER ENCLOSURE FOR 2 - 8 FIXTURES



REMOTE DRIVER ENCLOSURE FOR 9 - 12 FIXTURES