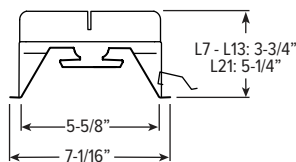


# 6PS dim to WARM 6" Shallow Plenum Downlight – Square



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

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

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

## NEW CONSTRUCTION AND REMODEL

### FEATURES

- Dim to warm from 1800K to 3000K CCT, minimum 95 CRI
- 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
- Die cast trim with flush lens provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible

### SPECIFICATIONS

- **HOUSING** – Formed steel housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2" – 1-1/2" (consult factory for additional ceiling thicknesses).
- **LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass lens.
- **ELECTRICAL** – Five color, mid-power LED modules. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM). In-line spectral capture and storage results in consistent CRI and CCT across all arrays. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- **MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Remodel kit option includes receiver bracket hardware.
- **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> **6PS - L21/9DW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1**

### HOUSING

SERIES	LUMENS <sup>[2]</sup>	COLOR	OPTIONS	CONTROL	VOLTAGE
6PS	L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	EM/10W 10-watt emergency battery <sup>[3]</sup>	DIM Dimming driver (0-10V signal to control dimming and CCT) LUT Lutron Ecosystem enabled	UNV 120-277V 347 347V <sup>[7]</sup>
	L13 1,300lm		ATH Airtight construction <sup>[4]</sup>		
	L21 2,100lm		CP Chicago plenum (CCEA) <sup>[5]</sup> F Fuse kit SDT Stepdown transformer <sup>[6]</sup>		

### TRIM

TRIM TYPE	DISTRIBUTION <sup>[8]</sup>	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 85° Wide M 35° Medium N 30° Narrow	OF 1/2" standard flange SF 1/4" mud-in flange <sup>[9]</sup>	WH White texture powder coat BL Black texture powder coat	IP IP65 rated trim AD Diffuse acrylic lens <sup>[10]</sup> WET/CC Wet location, covered ceiling listed

### MOUNTING

#### MOUNTING TYPE<sup>[11]</sup>

- N Open pan for new construction
- I IC-rated enclosure for new construction<sup>[13]</sup>
- R Remodel kit<sup>[14]</sup>

#### MOUNTING HARDWARE<sup>[12]</sup>

- F1 2-Position fixed pan bracket, universal bar hanger included
- F2 2-Position fixed pan bracket, t-bar bar hanger included
- BA1 Adjustable butterfly pan bracket, bar hanger not included<sup>[15]</sup>
- BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included<sup>[16]</sup>
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included
- CA2 Adjustable caterpillar pan bracket, t-bar hanger included

### NOTES

- Housing, trim, and mounting ship separately.
- Lumen output based on full light output, L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- N Mounting Type only.
- I Mounting Type required.
- I Mounting Type required.
- May be required for 347V, see product builder at [hew.com](http://hew.com).
- Not available with EM batteries.
- 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 CP, ATH or IP options.

- W distribution only
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- Specify for N and I Mounting Types only, see page 3 for MOUNTING HARDWARE DETAILS.
- L13 lumen package max.
- Also used in new construction sheetrock ceilings.
- N Mounting Type only.
- N Mounting Type only.

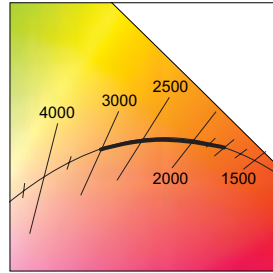


# 6PS dim to WARM

## 6" Shallow Plenum Downlight – Square

### FIXTURE PERFORMANCE DATA

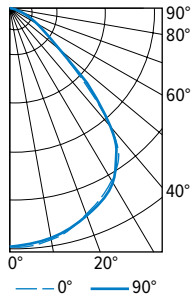
LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	825	3000K	1800K	14.0	59.0
	M	784			14.0	56.0
	N	752			14.0	53.7
L13	W	1447			23.4	61.9
	M	1374			23.4	58.8
	N	1318			23.4	56.4
L21	W	2141			37.7	56.8
	M	2030			37.7	53.8
	N	1948			37.7	51.6



- 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 3000K, 95 CRI, full output, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

### PHOTOMETRY

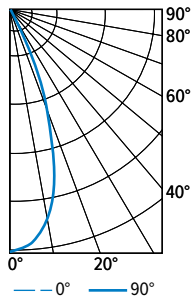
6PS-L21/9DW-DIM-UNV-LW-OF-WH Total Luminaire Output: 2141 lumens; 37.7 Watts | Efficacy: 56.8 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	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

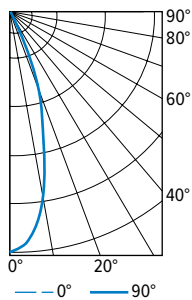
6PS-L21/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2030 lumens; 37.7 Watts | Efficacy: 53.8 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	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

6PS-L21/9DW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1948 lumens; 37.7 Watts | Efficacy: 51.6 lm/W | 95.0 CRI; 3000K CCT

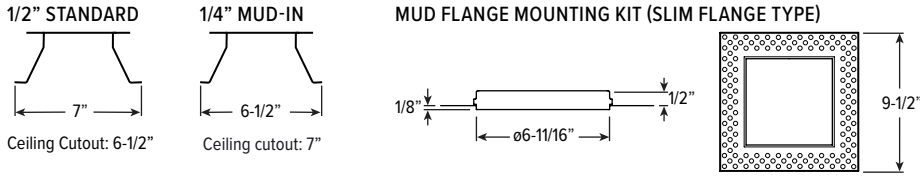


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4728	4728	4728	
	5	4496	4461	4458	404
	15	2628	2652	2636	723
	25	820	875	861	421
	35	244	257	261	174
	45	115	126	124	96
	55	72	82	74	69
	65	39	44	41	42
	75	15	17	15	17
	85	1	1	1	3
	90	0	0	v0	

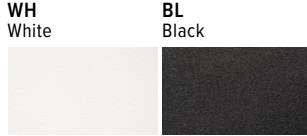
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1547	79
	0 - 40	1721	88
	0 - 60	1886	97
	0 - 90	1948	100
	0 - 180	1948	100

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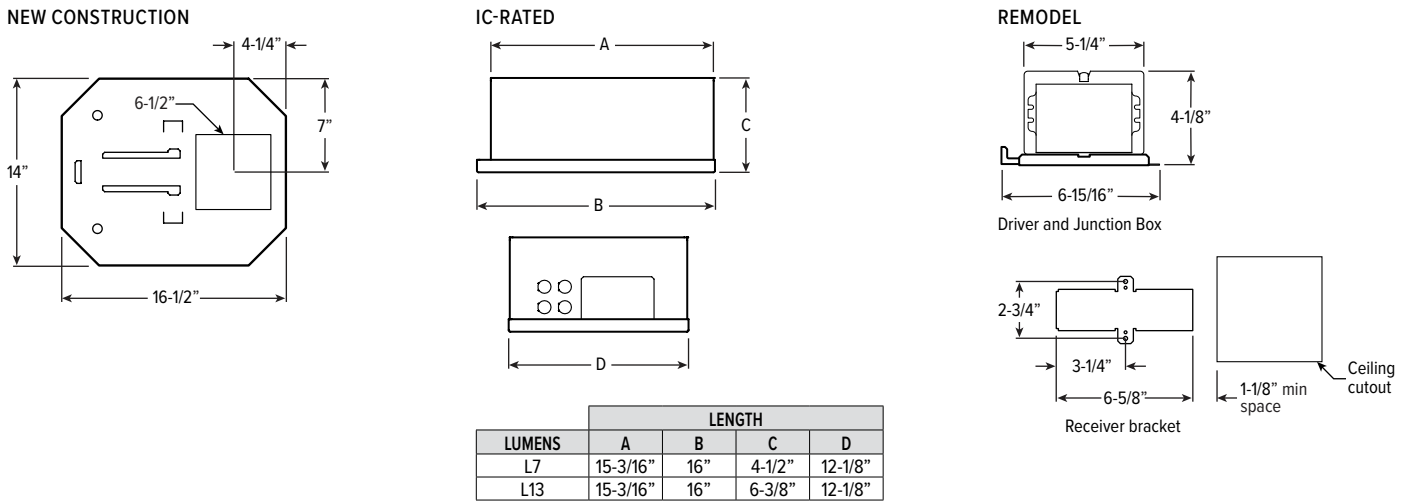
## FLANGE TYPE DETAILS



## REFLECTOR FINISH DETAILS



## MOUNTING TYPE DETAILS



## MOUNTING HARDWARE DETAILS

