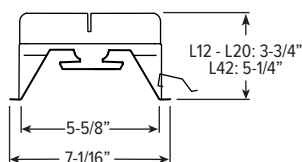


6PS tunable WHITE 6" Shallow Plenum Downlight – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

- Slim 5" depth for minimal plenum space applications
- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- 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** – 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>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.
- **MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Remodel kit option includes receiver bracket hardware. Minimum 24" O.C. marked spacing required for L42 lumen package.
- **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.

ORDERING EXAMPLE:⁽¹⁾ 6PS - L20/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ⁽²⁾	COLOR	OPTIONS	CONTROL	VOLTAGE
6PS	L12 1,200lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/10W 10-watt emergency battery ⁽³⁾	DALI Driver prewired for DALI applications	UNV 120-277V 347 347V ⁽⁷⁾
	L20 2,000lm		ATH Airtight construction ⁽⁴⁾	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	
	L42 4,200lm		CP Chicago plenum (CCEA) ⁽⁵⁾	F Fuse kit	DMX Driver prewired for DMX applications
			SDT Stepdown transformer ⁽⁶⁾		

TRIM

TRIM TYPE	DISTRIBUTION ⁽⁸⁾	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	SF 1/4" mud-in flange ⁽⁹⁾	WH White texture powder coat	AD Diffuse acrylic lens ⁽¹⁰⁾
	N 30° Narrow		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ⁽¹¹⁾
				WET/CC Wet location, covered ceiling listed ⁽¹²⁾

MOUNTING

MOUNTING TYPE ⁽¹³⁾	MOUNTING HARDWARE ⁽¹⁴⁾
N Open pan for new construction	F1 2-Position fixed pan bracket, universal bar hanger included
I IC-rated enclosure for new construction ⁽¹⁵⁾	F2 2-Position fixed pan bracket, t-bar bar hanger included
R Remodel kit ⁽¹⁶⁾	BA1 Adjustable butterfly pan bracket, bar hanger not included ⁽¹⁷⁾
	BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included ⁽¹⁸⁾
	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 L trim type, W distribution and WH finish, 4000K/80CRI. 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.
- 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.
- W distribution only.
- Reduces lumen output, use .85 multiplier.
- 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 4 for MOUNTING HARDWARE DETAILS.
- L20 lumen package max.
- Also used in new construction sheetrock ceilings.
- N Mounting Type only.
- N Mounting Type only.

6PS tunable WHITE

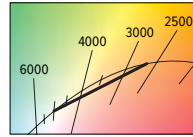
6" Shallow Plenum Downlight – Square

FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L12	W	1267	14.6	87.0
	M	1203	14.6	82.7
	N	1154	14.6	79.3
L20	W	2205	24.0	91.9
	M	2098	24.0	87.4
	N	2018	24.0	84.1
L42	W	4466	46.7	95.6
	M	4243	46.7	90.8
	N	4067	46.7	87.0

MULTIPLIER TABLE

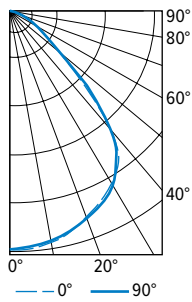
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03



- 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 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

PHOTOMETRY

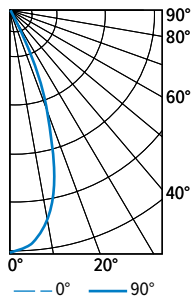
6PS-L20/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 2205 lumens; 24.0 Watts | Efficacy: 91.9 lm/W | 80.0 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1091	1091	1091	
	5	1091	1085	1082	103
	15	1052	1044	1047	295
	25	978	968	976	449
	35	868	867	847	533
	45	518	654	513	440
	55	196	307	188	223
	65	94	114	94	104
	75	41	44	42	47
	85	8	7	8	10
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	848	38
	0 - 40	1380	63
	0 - 60	2043	93
	0 - 90	2205	100
	0 - 180	2205	100

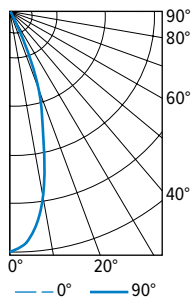
6PS-L20/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2098 lumens; 24.0 Watts | Efficacy: 87.4 lm/W | 80.0 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4312	4312	4312	
	5	4225	4197	4169	387
	15	2964	2989	3007	803
	25	967	1014	1011	495
	35	289	305	306	203
	45	121	130	129	102
	55	61	68	61	59
	65	30	33	30	31
	75	12	13	12	14
	85	1	2	1	3
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1686	80
	0 - 40	1889	90
	0 - 60	2050	98
	0 - 90	2098	100
	0 - 180	2098	100

6PS-L20/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2018 lumens; 24.0 Watts | Efficacy: 84.1 lm/W | 80.0 CRI; 4000K CCT



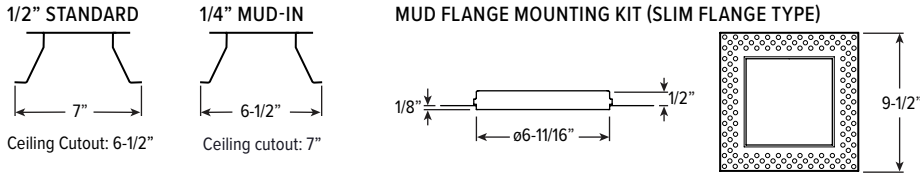
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4898	4898	4898	
	5	4658	4622	4619	418
	15	2723	2748	2731	749
	25	849	907	892	436
	35	252	266	271	180
	45	120	130	129	100
	55	74	85	77	72
	65	41	46	42	44
	75	15	17	15	18
	85	1	1	1	3
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1603	79
	0 - 40	1783	88
	0 - 60	1954	97
	0 - 90	2018	100
	0 - 180	2018	100

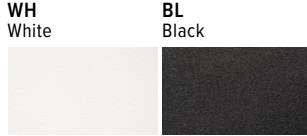


6PS tunable WHITE 6" Shallow Plenum Downlight – Square

FLANGE TYPE DETAILS

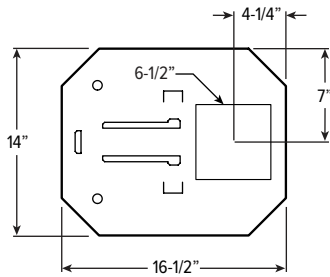


REFLECTOR FINISH DETAILS

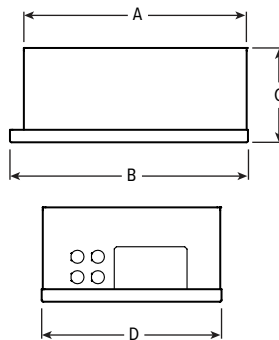


MOUNTING TYPE DETAILS

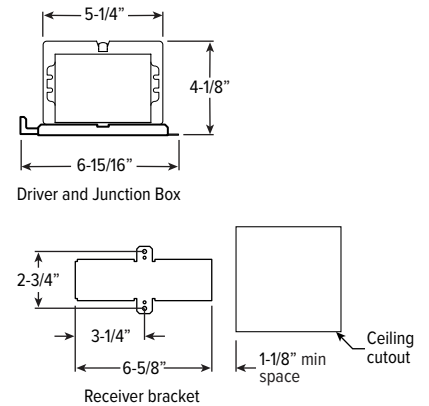
NEW CONSTRUCTION



IC-RATED



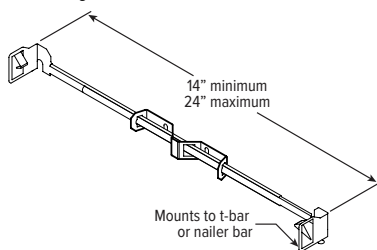
REMODEL



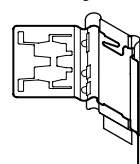
LUMENS	LENGTH			
	A	B	C	D
L12	15-3/16"	16"	4-1/2"	12-1/8"
L20	15-3/16"	16"	6-3/8"	12-1/8"

MOUNTING HARDWARE DETAILS

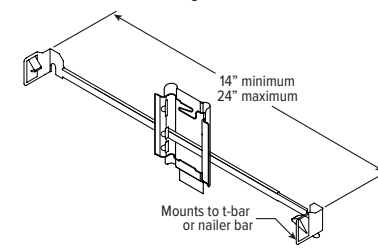
F1 2-Position fixed pan bracket, universal bar hanger included



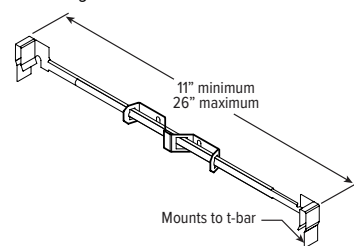
BA1 Adjustable butterfly pan bracket, bar hanger not included



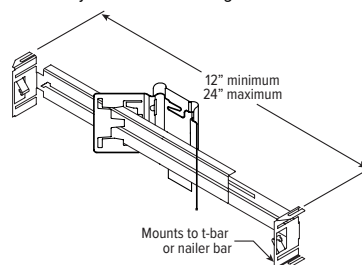
CA1 Adjustable caterpillar pan bracket, universal bar hanger included



F2 2-Position fixed pan bracket, t-bar bar hanger included



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included



CA2 Adjustable caterpillar pan bracket, t-bar hanger included

