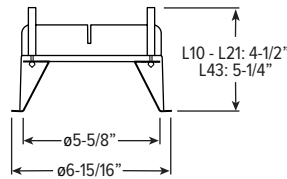


6PR tunable WHITE

6" Shallow Plenum Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

- Williams TrimLock reflector retention system eliminates trim sag
- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- Slim 5" depth for minimal plenum space applications
- Beam angles ranging from 25° narrow to 85° wide for tailored performance
- Die cast trim with flush lens provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible

TrimLock™

ORDERING EXAMPLE:⁽¹⁾ 6PR - TL - L10/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ⁽²⁾	COLOR	OPTIONS	CONTROL	VOLTAGE
6PR-TL	L10 1,000lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/10W 10-watt emergency battery ⁽³⁾	DALI Driver prewired for DALI applications	UNV 120-277V
TrimLock	L21 2,100lm		ATH Airtight construction ⁽⁴⁾	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	347 347V ⁽⁷⁾
	L43 4,300lm		CP Chicago plenum (CCEA) ⁽⁵⁾	DMX Driver prewired for DMX applications	
			F Fuse kit		
			SDT Stepdown transformer ⁽⁶⁾		

SPECIFICATIONS

- HOUSING** – Spun housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2"–1-1/4" (consult factory for additional ceiling thicknesses).
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.
- 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.
- 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.

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
A Angled lens ⁽⁹⁾	M 35° Medium	SF 1/4" mud-in flange ⁽¹¹⁾	WH White texture powder coat	AD Diffuse acrylic lens ⁽¹²⁾
S Non-conductive flush lens for shower applications ⁽¹⁰⁾	N 25° Narrow		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ⁽¹³⁾
				WET/CC Wet location, covered ceiling listed ⁽¹⁴⁾

MOUNTING

MOUNTING TYPE ⁽¹⁵⁾	MOUNTING HARDWARE ⁽¹⁶⁾
N Open pan for new construction	F1 2-Position fixed pan bracket, universal bar hanger included
I IC-rated enclosure for new construction ⁽¹⁷⁾	F2 2-Position fixed pan bracket, t-bar bar hanger included
R Remodel kit ⁽¹⁸⁾	BA1 Adjustable butterfly pan bracket, bar hanger not included ⁽¹⁹⁾
	BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included ⁽²⁰⁾
	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 and L Trim Type.
- Wide distribution only.
- W Distribution, OF Flange Type, WH Reflector Finish only. Only available with AD diffuse acrylic lens, standard. IP and WET/CC options standard.
- 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.
- L Trim Type only. W distribution only.
- L Trim Type 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.
- L21 lumen package max.
- Also used in new construction sheetrock ceilings.
- N Mounting Type only.
- N Mounting Type only.



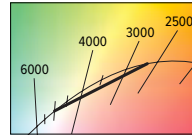
6PR tunable WHITE 6" Shallow Plenum Downlight – Round

FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1148	14.6	78.6
	M	1164	14.6	79.7
	N	1175	14.6	80.5
L21	W	2152	24.0	89.5
	M	2182	24.0	90.7
	N	2107	24.0	87.6
L43	W	4352	46.7	93.1
	M	4411	46.7	94.4
	N	4261	46.7	91.2

MULTIPLIER TABLE

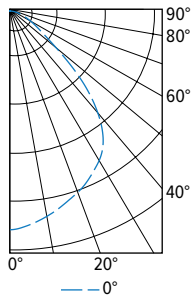
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03



- 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

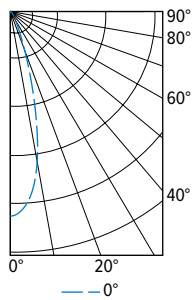
6PR-TL-L10/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1148 lumens; 14.6 Watts | Efficacy: 78.6 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	608	
	5	597	56
	15	559	158
	25	514	237
	35	447	276
	45	289	219
	55	116	108
	65	58	58
	75	26	28
	85	6	7
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	728	63
	0 - 60	1055	92
	0 - 90	1148	100
	0 - 180	1148	100

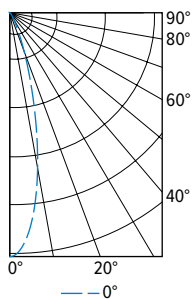
6PR-TL-L10/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 1164 lumens; 14.6 Watts | Efficacy: 79.7 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2679	
	5	2574	236
	15	1685	453
	25	533	254
	35	158	104
	45	70	55
	55	36	33
	65	19	19
	75	9	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1047	90
	0 - 60	1134	97
	0 - 90	1164	100
	0 - 180	1164	100

6PR-TL-L10/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1175 lumens; 14.6 Watts | Efficacy: 80.5 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4341	
	5	3924	341
	15	1682	463
	25	401	195
	35	110	73
	45	56	44
	55	34	31
	65	19	19
	75	8	9
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1071	91
	0 - 60	1145	97
	0 - 90	1175	100
	0 - 180	1175	100

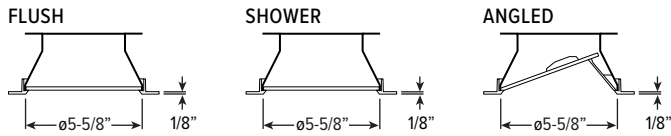


6PR tunable WHITE 6" Shallow Plenum Downlight – Round

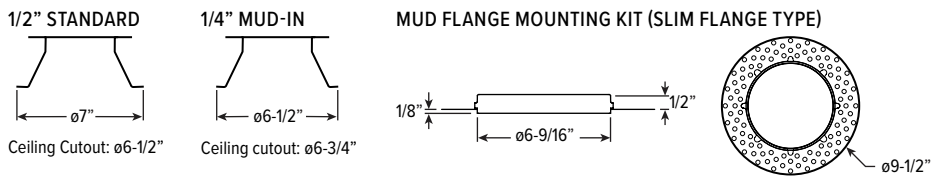
TRIMLOCK DETAILS



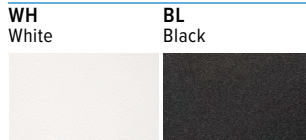
TRIM TYPE DETAILS



FLANGE TYPE DETAILS

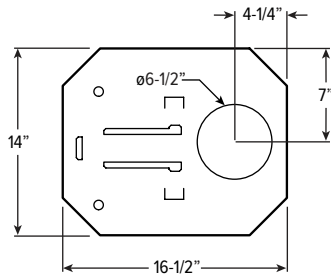


REFLECTOR FINISH DETAILS

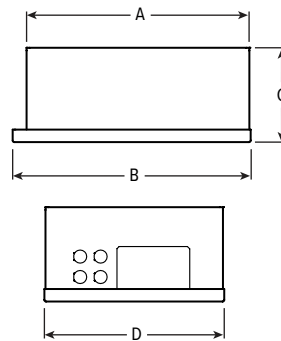


MOUNTING TYPE DETAILS

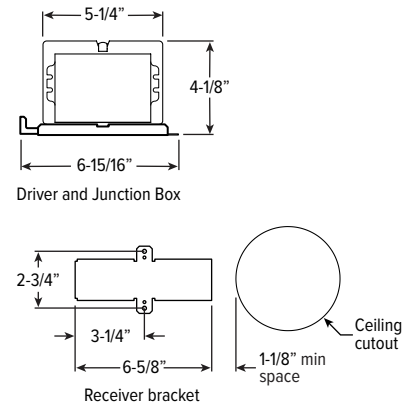
NEW CONSTRUCTION



IC-RATED



REMODEL



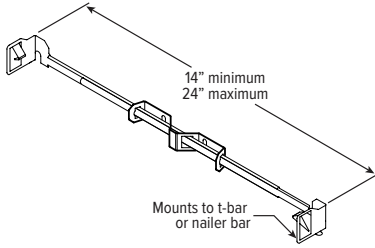
LUMENS	LENGTH			
	A	B	C	D
L10	15-1/16"	16"	4-1/2"	12-1/8"
L21	15-3/16"	16"	6-3/8"	12-1/8"

6PR tunable WHITE

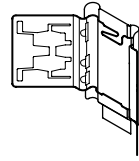
6" Shallow Plenum Downlight – Round

MOUNTING HARDWARE DETAILS

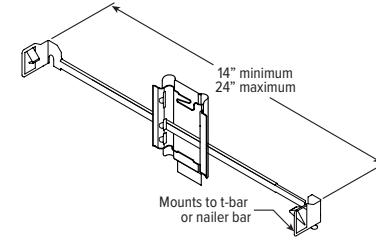
F1 2-Position fixed pan bracket, universal bar hanger included



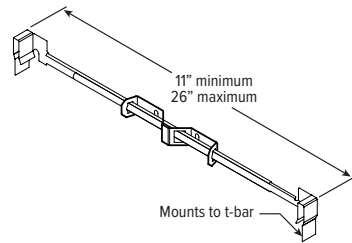
BA1 Adjustable butterfly pan bracket, bar hanger not included



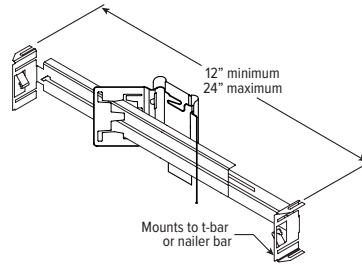
CA1 Adjustable caterpillar pan bracket, universal bar hanger included



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

