

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

TrimLock[®]

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Dim to warm from 1800K to 3000K CCT, minimum 95 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

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>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.

ORDERING EXAMPLE: 6PR - TL - L23/9DW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ⁽¹⁾	COLOR	OPTIONS	CONTROL	VOLTAGE
6PR-TL	L8 800lm	9DW Dim to warm	EM/7W	DIM	UNV 120-277V
TrimLock	L14 1,400lm	(95 CRI, 1800K – 3000K)	EM/10W	(0-10V signal to control dimming and CCT)	347 347V ⁽⁷⁾
	L23 2,300lm		EM/10W/RTS	LUT	
			ATH	Lutron Ecosystem enabled	
			CP		
			F		
			SDT		

TRIM ⁽⁸⁾

TRIM TYPE	DISTRIBUTION ⁽⁹⁾	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 ⁽¹⁰⁾	M 35° Medium	SF 1/4" mud-in flange ⁽¹²⁾	WH White texture powder coat	AD Diffuse acrylic lens ⁽¹³⁾
S Non-conductive flush lens for shower applications ⁽¹¹⁾	N 25° Narrow		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ⁽¹⁴⁾
				WET/CC Wet location, covered ceiling listed
				AM Anti-microbial ⁽¹⁵⁾

MOUNTING

MOUNTING TYPE ⁽¹⁶⁾

- N Open pan for new construction
- I IC-rated enclosure for new construction ⁽¹⁸⁾
- R Remodel kit ⁽¹⁹⁾

MOUNTING HARDWARE ⁽¹⁷⁾

- F1 Integral 2-position fixed pan bracket, universal bar hanger included ⁽²⁰⁾
- BA1 Adjustable butterfly pan bracket, bar hanger not included ⁽²¹⁾
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included ⁽²²⁾

NOTES

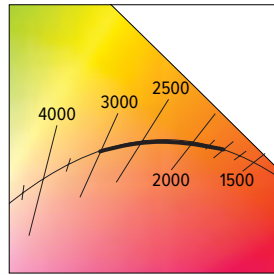
- Lumen output based on full light output, L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- N and R Mounting Types only.
- N and R Mounting Types only.
- Not available with WET/CC, ATH or IP options. N and R Mounting Types only. See page 4 for EM/10W/RTS DETAILS.
- I Mounting Type required.
- May be required for 347V, see product builder at hew.com/product-builder.
- Not available with EM batteries.
- Trim ships separately.
- Beam angle based on WH reflector finish and L Trim Type only.
- Wide distribution only. Diffuse acrylic lens standard.
- W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. 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 ATH or IP options.
- L Trim Type only. W distribution only.
- W distribution only.
- WH and BL Reflector Finishes only. Not available with S Trim Type.
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- L8 and L14 lumen packages only.
- Also used in new construction sheetrock ceilings.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.

6PR dim to WARM

6" Shallow Plenum Downlight – Round

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	806	3000K	1800K	14.0	57.6
	M	817			14.0	58.4
	N	825			14.0	58.9
L14	W	1413			23.4	60.4
	M	1433			23.4	61.2
	N	1446			23.4	61.8
L23	W	2314			37.7	61.4
	M	2347			37.7	62.3
	N	2369			37.7	62.8



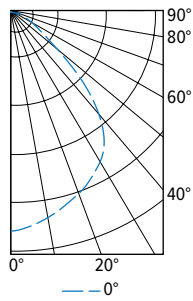
MULTIPLIER TABLE

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85

- 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 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

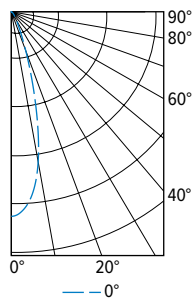
6PR-TL-L23/9DW-DIM-UNV-LW-OF-WH Total Luminaire Output: 2314 lumens; 37.7 Watts | Efficacy: 61.4 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1225	
	5	1203	114
	15	1127	318
	25	1036	477
	35	901	557
	45	582	442
	55	233	218
	65	116	117
	75	53	57
	85	12	15
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1466	63
	0 - 60	2126	92
	0 - 90	2314	100
	0 - 180	2314	100

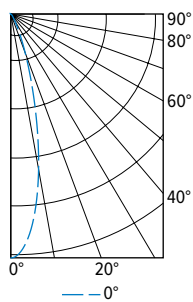
6PR-TL-L23/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2347 lumens; 37.7 Watts | Efficacy: 62.3 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5398	
	5	5188	476
	15	3397	913
	25	1074	512
	35	319	209
	45	140	110
	55	73	66
	65	37	37
	75	18	19
	85	3	4
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2110	90
	0 - 60	2286	97
	0 - 90	2347	100
	0 - 180	2347	100

6PR-TL-L23/9DW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2369 lumens; 37.7 Watts | Efficacy: 62.8 lm/W | 95.0 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	8749	
	5	7909	686
	15	3390	933
	25	808	392
	35	223	147
	45	112	88
	55	69	62
	65	38	38
	75	17	18
	85	3	4
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2159	91
	0 - 60	2308	97
	0 - 90	2369	100
	0 - 180	2369	100

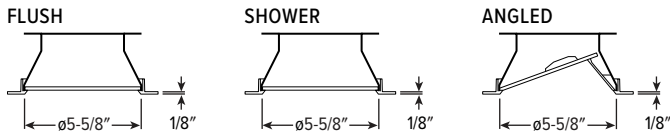


6PR dim to WARM 6" Shallow Plenum Downlight – Round

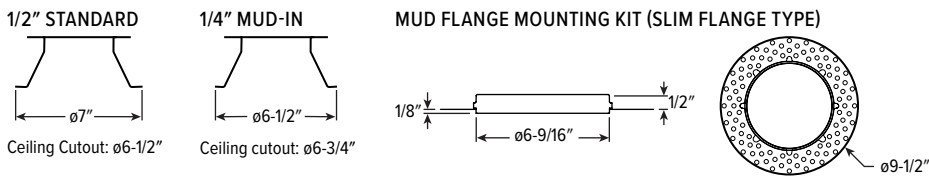
TRIMLOCK DETAILS



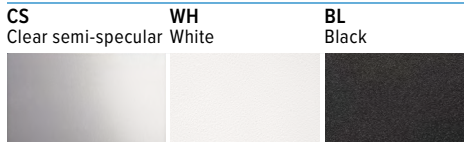
TRIM TYPE DETAILS



FLANGE TYPE DETAILS

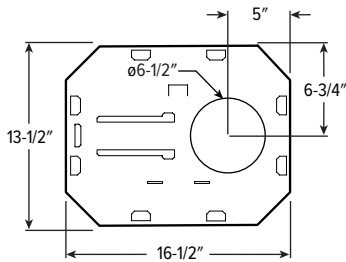


REFLECTOR FINISH DETAILS

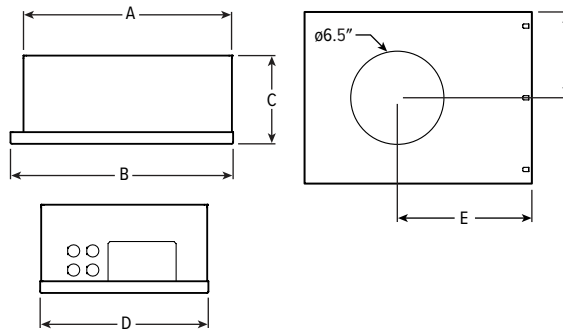


MOUNTING TYPE DETAILS

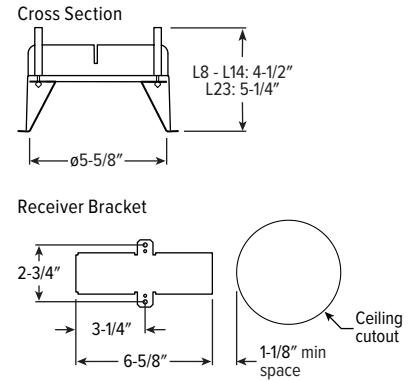
NEW CONSTRUCTION



IC-RATED

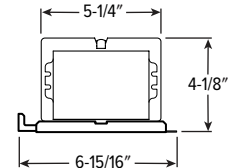


REMODEL

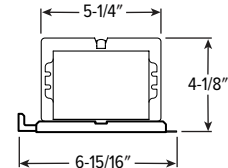


LUMENS	LENGTH					
	A	B	C	D	E	F
L8	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6-1/16"
L14	15-3/16"		6-3/8"			

Receiver Bracket

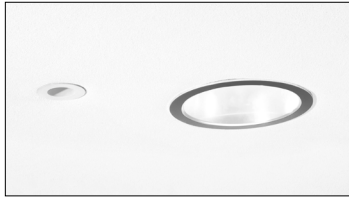


Driver and Junction Box

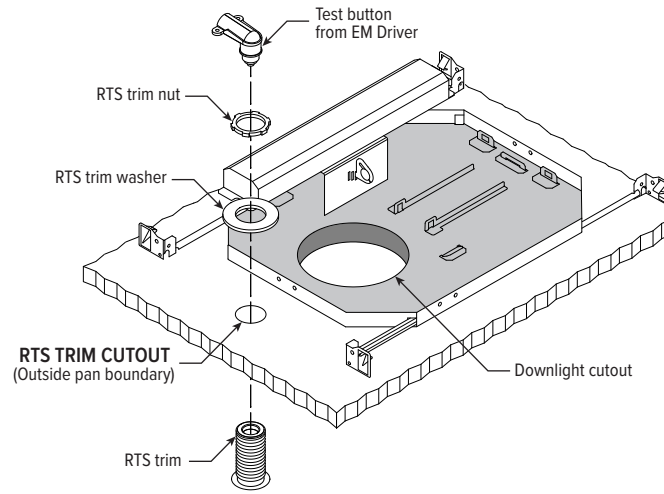


6PR dim to **WARM** 6" Shallow Plenum Downlight – Round

EM/10W/RTS DETAILS

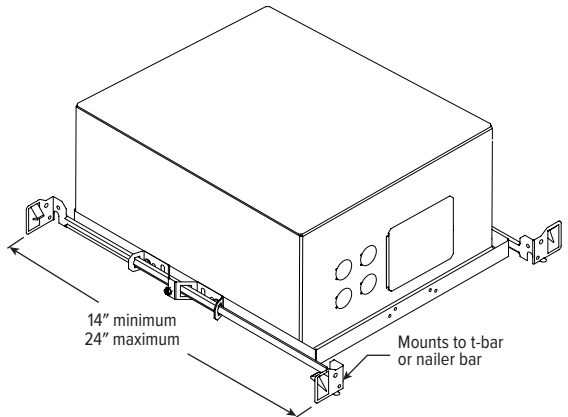
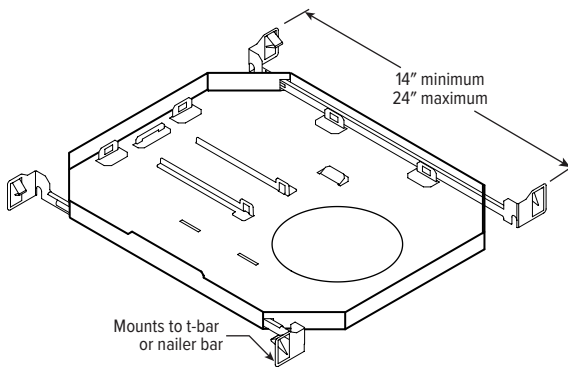


Shown Installed



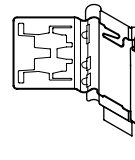
MOUNTING HARDWARE DETAILS

F1 Integral 2-position fixed pan bracket, universal bar hanger included

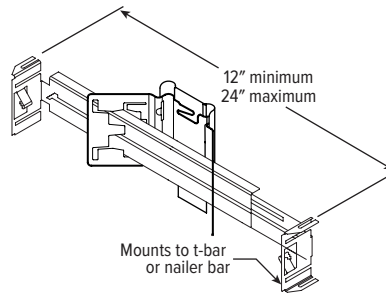


F1 with I Mounting Type

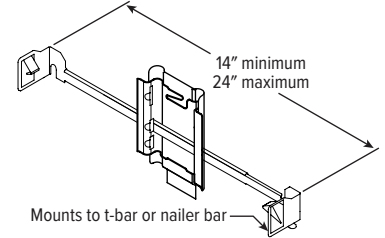
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

