4PR tunable WHITE
4.5″ Shallow Plenum Downlight – Round

Williams

4-3/16″
4-9/16″
1/2″ min to 1-1/4″ max
ø4-1/4″
15″

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

BUY AMERICAN ACT COMPLIANT · CCEA Approved · IP65 Rated · Low UGR · WET/CC · TrimLock®

ORDERING EXAMPLE: 4PR - TL - L18/8TW - OPTIONS - CONTROL/DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

|————— HOUSING —————| |——— TRIM ———| |MOUNT.|

HOUSING

SERIES	LUMENS [1]	COLOR	OPTIONS	CONTROL	DRIVER	VOLTAGE
4PR-TL TrimLock	**L11** 1,100lm **L18** 1,800lm	**8TW** Tunable white (80 CRI, 2700K-5000K)	*See page 3 for EMERGENCY BATTERY OPTIONS.* *See page 3 for APERTURE ADAPTOR ORDERING INFO.* **ATH** Airtight construction **CP** Chicago plenum (CCEA) [2] **F** Fuse kit	**–** None **AWNR** Lutron Athena wireless node integral fixture control, RF only [3]	*See page 3 for DRIVER DETAILS.* **DALI** Driver prewired for DALI applications **DIM** Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT **DMX** Driver prewired for DMX applications **LD2** Lutron DALI-2 digital driver, 1% [4]	**UNV** 120-277V

TRIM [5]

TRIM TYPE	DISTRIBUTION [6]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens **A** Angled lens [7] **S** Non-conductive flush lens for shower applications [8]	**W** 65° Wide **M** 35° Medium **N** 25° Narrow	**OF** 1/2″ standard flange **SF** 1/4″ mud-in flange [9]	**CS** Clear semi-specular powder coat **WH** White texture powder coat **BL** Black texture powder coat	**IP** IP65 rated trim **AD** Diffuse acrylic lens [10] **PD** Diffuse 1/8″ polycarbonate lens [11] **WET/CC** Wet location, covered ceiling listed **AM** Anti-microbial [12]

MOUNTING

MOUNTING TYPE [13]	MOUNTING HARDWARE [14]
N Open pan for new construction **I** IC-rated enclosure for new construction [15] **R** Remodel kit [16]	**F1** Integral 2-position fixed pan bracket, universal bar hanger included [17] **BA1** Adjustable butterfly pan bracket, bar hanger not included [18] **CA1** Adjustable caterpillar pan bracket, universal bar hanger included [19]

NOTES

1. Lumen output based on L Trim Type, M Distribution and WH Reflector Finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
2. I Mounting Type required.
3. LD2 Driver only.
4. Not available with I Mounting Type.
5. Trim ships separately.
6. Beam angle based on WH Reflector Finish and L Trim Type.
7. W Distribution only. AD Trim Option standard.
8. W Distribution, OF Flange Type, WH Reflector Finish only. AD, IP and WET/CC Trim Options standard.
9. For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 4 for FLANGE TYPE DETAILS. Not available with ATH or IP options.
10. L Trim Type only. W Distribution only.
11. W Distribution only.
12. WH and BL Reflector Finishes only. Not available with S Trim Type.
13. Mounting Hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
14. Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
15. Not available with EM batteries.
16. Also used in new construction sheetrock ceilings. Pan-less installation.
17. N and I Mounting Types only. I Mounting Type requires external brackets.
18. N Mounting Type only.
19. N Mounting Type only.

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4PR tunable WHITE
4.5" Shallow Plenum Downlight – Round

FEATURES

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 4 inch aperture is unobtrusive in small scale spaces
- Slim 5 inch depth for minimal plenum space applications
- Beam angles ranging from 25º narrow to 65º wide for tailored performance
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Die-cast trim with flush or angled lens provides glare-free illumination for a soft ceiling appearance
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Optional non-conductive lens for shower applications
- Fully room-side accessible
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

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, acrylic lens.
- ELECTRICAL – High-performance Class 2 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 dry and 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.
  - IP65 rated trim when specified with IP 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.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/buy-american
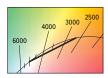- WARRANTY – 5-year limited warranty, see hew.com/warranty

FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L11	W	1025	14.6	70
	M	1193	14.6	82
	N	1184	14.6	81
L18	W	1664	24.0	69
	M	1936	24.0	81
	N	1922	24.0	80

MULTIPLIER TABLES

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

TRIM OPTIONS

CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85

- Photometrics tested in accordance with IESNA LM-79. Results based on L Trim Type, WH Reflector Finish, M Distribution, 80 CRI/4000K CCT, average wattage for 120V input, and 25ºC ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
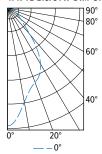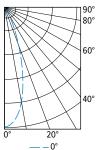- Use multiplier tables to calculate additional options.

PHOTOMETRY

4PR-TL-L18/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1664 lumens; 24.0 Watts | Efficacy: 69.3 lm/W | 80.0 CRI; 4000K CCT

VERTICAL ANGLE	HORIZONTAL ANGLE 0º	ZONAL LUMENS
0	1332	
5	1241	113
15	961	272
25	842	384
35	602	369
45	276	221
55	161	145
65	94	94
75	47	50
85	12	14
90	2	

ZONE	LUMENS	% FIXTURE
0 - 40	1138	68
0 - 60	1505	90
0 - 90	1664	100
0-180	1664	100

4PR-TL-L18/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 1936 lumens; 24.0 Watts | Efficacy: 80.7 lm/W | 80.0 CRI; 4000K CCT
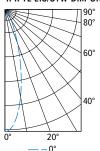
VERTICAL ANGLE	HORIZONTAL ANGLE 0º	ZONAL LUMENS
0	4549	
5	4319	392
15	2698	732
25	915	433
35	274	179
45	113	90
55	59	53
65	34	34
75	17	19
85	4	5
90	1	

ZONE	LUMENS	% FIXTURE
0 - 40	1736	90
0 - 60	1879	97
0 - 90	1936	100
0-180	1936	100

PHOTOMETRY CONTINUED ON NEXT PAGE

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4PR-TL-L18/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1922 lumens; 24.0 Watts | Efficacy: 80.1 lm/W | 80.0 CRI; 4000K CCT

CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	6450	
	5	5825	508
	15	2730	746
	25	729	351
	35	202	133
	45	95	75
	55	57	52
	65	34	34
	75	17	18
	85	4	5
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1738	90
	0 - 60	1864	97
	0 - 90	1922	100
	0-180	1922	100

DRIVER DETAILS

DIM
DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI
DALI +
DALI -
Fixture 1

DMX
RJ45 Ports (IN/OUT)
Fixture (Master)

LD2
DA +
DA -
Fixture 1

EMERGENCY BATTERY OPTIONS

Additional limitations apply, see page 1. Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery [1]
EM/7W/RTS	7-watt emergency battery with regressed test switch [2]
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch [3]
EM/10W	10-watt emergency battery [1]
EM/10W/RTS	10-watt emergency battery with regressed test switch [2]
EM/10W/IPRTS	10-watt emergency battery with IP65 rated regressed test switch [3]

[1] Not available with S Trim Type or IP Trim Option.
[2] Not available with S Trim Type, IP or WET/CC Trim Options.
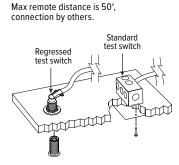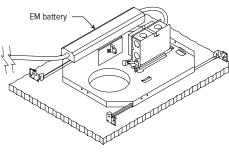[3] Must specify IP Trim Option.

MOUNTING DETAILS

Regressed test switch
ø1-3/4″

Standard test switch
2-3/4″ x 4-1/2″

Max remote distance is 50′, connection by others.

Regressed test switch

Standard test switch

EM battery

APERTURE ADAPTOR ORDERING INFO

ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR 4DR 6DR 4DS 6DS 4PR 6PR 4PS 6PS 8DR	GR	Specify ceiling cutout in 1/8″ increments. Example: 5.75″ = **0575** See Kit Components for application limits.	CS Clear semi-specular powder coat WH White texture powder coat BL Black texture powder coat

Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.

Additional finishes available, consult factory.

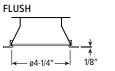For limitations and instructions, see hew.com/aperture-adaptor.pdf
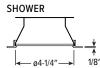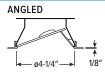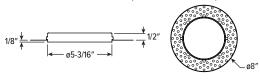
TRIMLOCK DETAILS

TWIST

PULL

RELEASE

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TRIM TYPE DETAILS

FLUSH

ø4-1/4" 1/8"

SHOWER

ø4-1/4" 1/8"

ANGLED

ø4-1/4" 1/8"

FLANGE TYPE DETAILS

1/2" STANDARD

ø5-1/2"

Ceiling Cutout: ø5"

1/4" MUD-IN

ø5"

Ceiling Cutout: ø5-1/2"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)

1/8" 1/2" ø5-3/16" ø8"

REFLECTOR FINISH DETAILS

CS
Clear semi-specular

WH
White

BL
Black

MOUNTING TYPE DETAILS

NEW CONSTRUCTION

4-1/4" ø5" 6" 12" 15"

IC-RATED

A C B D E F ø5"

REMODEL

CROSS SECTION

4-9/16" ø4-1/4"

DRIVER & JUNCTION BOX

5-1/4" 4-1/8" 6-15/16"

RECEIVER BRACKET

2-3/4" 3-1/4" 6-5/8"

1-1/8" min space Ceiling cutout

LENGTH						
LUMENS	A	B	C	D	E	F
L11	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6-1/16"
L18			6-3/8"			
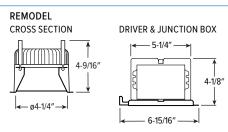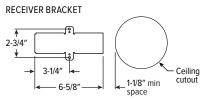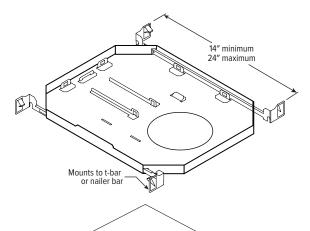
MOUNTING DETAILS CONTINUED ON NEXT PAGE.

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4PR tunable WHITE
4.5″ Shallow Plenum Downlight – Round

MOUNTING HARDWARE DETAILS

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

14″ minimum
24″ maximum

Mounts to t-bar
or nailer bar

14″ minimum
24″ maximum

Mounts to t-bar
or nailer bar

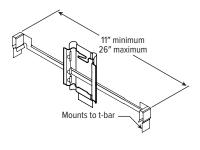F1 with I Mounting Type
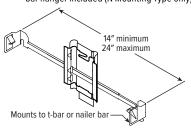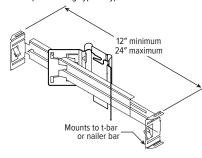
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)

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

12″ minimum
24″ maximum

Mounts to t-bar
or nailer bar

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

14″ minimum
24″ maximum

Mounts to t-bar or nailer bar

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

11″ minimum
26″ maximum

Mounts to t-bar

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