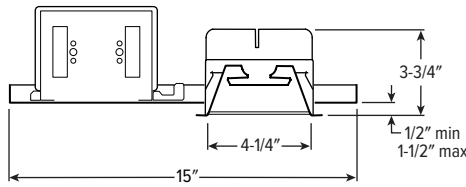


4PS tunable WHITE 4.5" Shallow Plenum Downlight – Square



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 4PS - L20/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING
TRIM
MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL ^[2]	VOLTAGE
4PS	L11 1,100lm L20 2,000lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/7W 7-watt emergency battery ^[3] EM/10W 10-watt emergency battery ^[4] EM/10W/RTS 10-watt emergency battery with regressed test switch ^[5] ATH Airtight construction CP Chicago plenum (CCEA) ^[6] F Fuse kit	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 PSQ Lutron T-Series 2-channel tunable white 1%. ^[7]	UNV 120-277V

TRIM ^[8]

TRIM TYPE	DISTRIBUTION ^[9]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 75° Wide M 35° Medium N 30° Narrow	OF 1/2" standard flange SF 1/4" mud-in flange ^[10]	CS Clear semi-specular powder coat WH White texture powder coat BL Black texture powder coat	IP IP65 rated trim AD Diffuse acrylic lens ^[11] PD Diffuse 1/8" polycarbonate lens ^[12] WET/CC Wet location, covered ceiling listed ^[13] AM Anti-microbial ^[14]

MOUNTING

MOUNTING TYPE ^[15]	MOUNTING HARDWARE ^[16]
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[18]
I IC-rated enclosure for new construction	BA1 Adjustable butterfly pan bracket, bar hanger not included ^[19]
R Remodel kit ^[17]	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[20]

NOTES

- ¹ 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.
- ² See page 4 for CONTROL DETAILS.
- ³ N and R Mounting Types only. Not available with ATH or IP options.
- ⁴ N and R Mounting Types only. Not available with ATH or IP options.
- ⁵ Not available with WET/CC, ATH or IP options. N and R Mounting Types only. See page 4 for EM/10W/RTS DETAILS.
- ⁶ I Mounting Type required.
- ⁷ Not available with I Mounting Type.
- ⁸ Trim ships separately.
- ⁹ Beam angle based on WH reflector finish.
- ¹⁰ 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.
- ¹¹ W distribution only.
- ¹² W distribution only.
- ¹³ Not available with PD trim option.
- ¹⁴ WH and BL Reflector Finishes only.
- ¹⁵ Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- ¹⁶ Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- ¹⁷ Also used in new construction sheetrock ceilings. Pan-less installation.
- ¹⁸ N and I Mounting Types only. I Mounting requires external brackets.
- ¹⁹ N Mounting Type only.
- ²⁰ N Mounting Type only.

4PS tunable WHITE 4.5" Shallow Plenum Downlight – Square

FEATURES

- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- Beam angles ranging from 30° narrow to 75° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Slim 5 inch depth for minimal plenum space applications
- 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
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- IP65-rated die-cast trim includes easy-to-clean flush lens
- 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, 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.
 - 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.

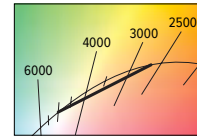
FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L11	W	1156	14.6	79.4
	M	1197	14.6	82.2
	N	1158	14.6	79.6
L20	W	2016	24.0	84.0
	M	2087	24.0	87.0
	N	2019	24.0	84.1

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

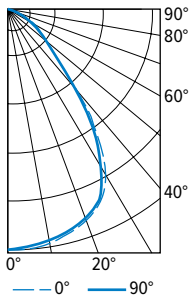
TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85



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

PHOTOMETRY

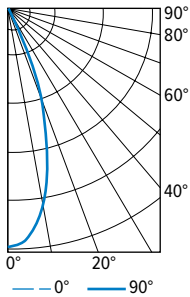
4PS-L20/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 2016 lumens; 24.0 Watts | Efficacy: 84.0 lm/W | 80.0 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1134	1134	1134	
5	1134	1128	1128	107
15	1093	1088	1084	307
25	1022	1025	1011	466
35	726	864	706	485
45	327	504	315	315
55	187	210	180	179
65	102	100	99	102
75	43	43	43	47
85	6	6	5	9
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	880	44
	0 - 40	1365	68
	0 - 60	1858	92
	0 - 90	2016	100
	0 - 180	2016	100

4PS-L20/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2087 lumens; 24.0 Watts | Efficacy: 87.0 lm/W | 80.0 CRI; 4000K CCT



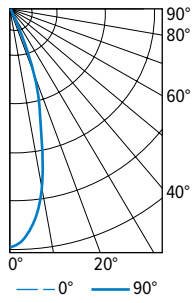
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	4486	4486	4486	
5	4338	4326	4340	397
15	2970	2970	2949	802
25	1027	1023	1024	503
35	300	302	318	205
45	111	120	117	93
55	49	54	51	48
65	24	26	26	25
75	10	10	12	11
85	0	1	1	2
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1702	82
	0 - 40	1907	91
	0 - 60	2049	98
	0 - 90	2087	100
	0 - 180	2087	100



4PS tunable **WHITE** 4.5" Shallow Plenum Downlight – Square

4PS-L20/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2019 lumens; 24.0 Watts | Efficacy: 84.1 lm/W | 80.0 CRI; 4051K CCT

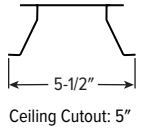


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5270	5270	5270	
5	4963	4920	4907	443
15	2782	2815	2767	775
25	858	934	912	441
35	238	256	270	173
45	102	108	112	86
55	58	63	61	55
65	28	33	31	31
75	11	13	13	13
85	0	1	1	2
90	0	0	0	

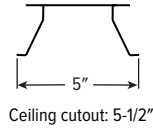
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1659	82
	0 - 40	1831	91
	0 - 60	1973	98
	0 - 90	2019	100
	0 - 180	2019	100

FLANGE TYPE DETAILS

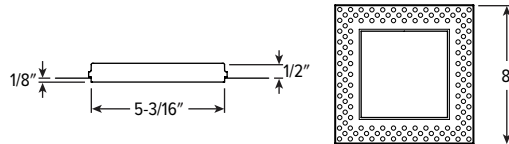
1/2" STANDARD



1/4" MUD-IN

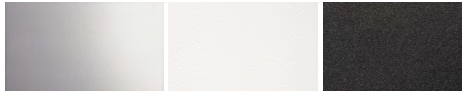


MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



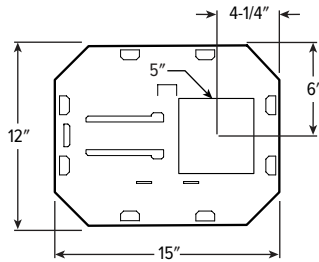
REFLECTOR FINISH DETAILS

CS Clear semi-specular
WH White
BL Black

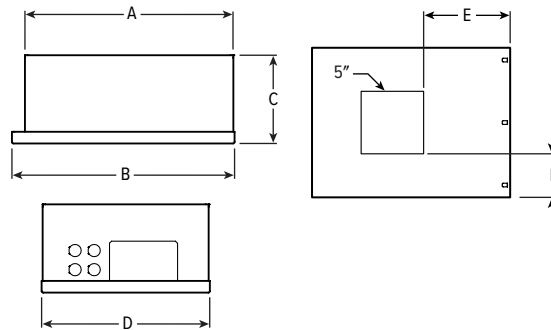


MOUNTING TYPE DETAILS

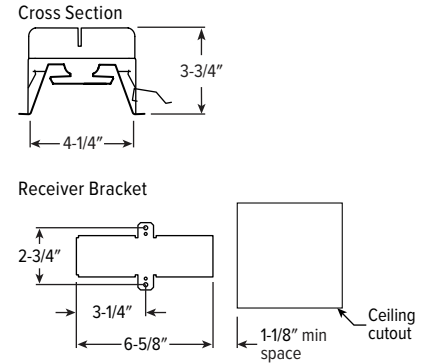
NEW CONSTRUCTION



IC-RATED

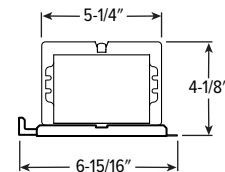


REMODEL



LUMENS	LENGTH					
	A	B	C	D	E	F
L11	15-1/16"	16"	4-1/2"	12-1/8"	7"	3-9/16"
L20			6-3/8"			

v Driver and Junction Box



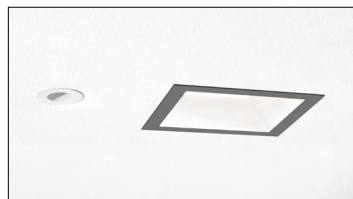
4PS tunable WHITE 4.5" Shallow Plenum Downlight – Square

APERTURE ADAPTOR ORDERING INFO

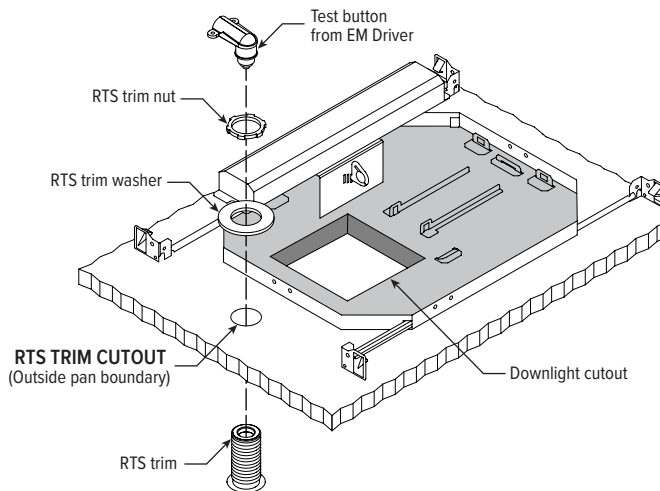
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT				
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH	
4AR	6AR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575	CS Clear semi-specular powder coat	
4DR	6DR		WH White texture powder coat	
4DS	6DS		See Kit Components for application limits.	BL Black texture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

Additional finishes available, consult factory. For use with remodel downlights. For limitations and instructions, see hew.com/aperture-adaptor.pdf

EM/10W/RTS DETAILS



Shown Installed



CONTROL DETAILS

DIM



DALI



DMX



LUTRON T-SERIES

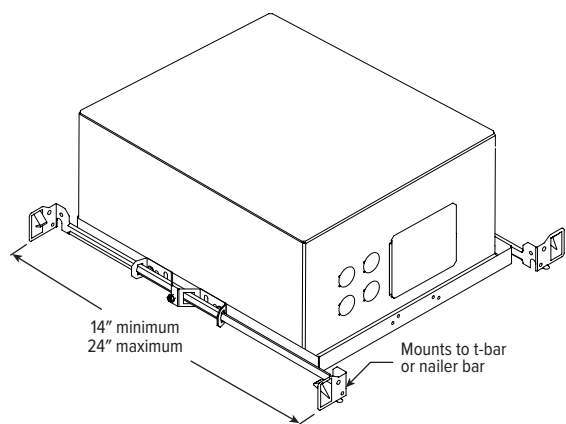
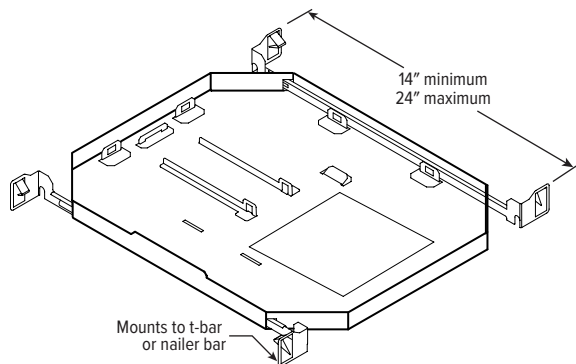


4PS tunable WHITE

4.5" Shallow Plenum Downlight – Square

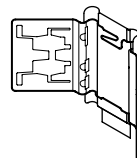
MOUNTING HARDWARE DETAILS

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

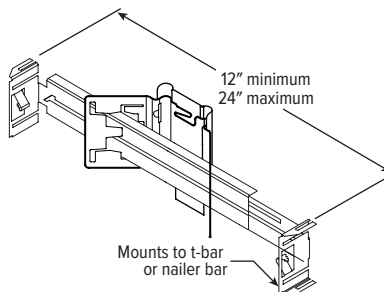


F1 with I Mounting Type

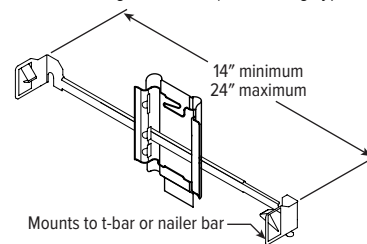
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

