

4DS dim to WARM

4.5" Downlight – Square

FEATURES

- Dim to warm from 1800K to 3000K CCT, minimum 95 CRI
- Beam angles ranging from 25° narrow to 60° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Square shape accentuates architectural styles
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Open reflector with 7 finishes to complement any interior style
- Die-cast trim choices include flush, regressed or angled lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Spring clip retention system eliminates trim sag
- Fully room-side accessible

SPECIFICATIONS

- HOUSING – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms field adjust for ceiling thickness from 1/2" – 2-1/4".
- OPEN REFLECTOR – Low-iridescent anodized aluminum with top diffuser.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic, acrylic 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 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

OPEN REFLECTOR TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	629	3000K	1800K	14.0	44.9
	M	694			14.0	49.6
	N	709			14.0	50.6
L13	W	1102			23.4	47.2
	M	1216			23.4	52.0
	N	1243			23.4	53.2
L21	W	1805			37.7	47.9
	M	1991			37.7	52.8
	N	2035			37.7	54.0

FLUSH LENS TRIM TYPE

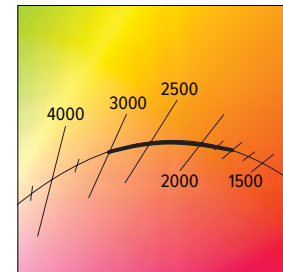
	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	681	3000K	1800K	14.0	48.6
	M	751			14.0	53.6
	N	759			14.0	54.2
L13	W	1193			23.4	51.1
	M	1316			23.4	56.3
	N	1330			23.4	56.9
L21	W	1956			37.7	51.9
	M	2147			37.7	56.9
	N	2180			37.7	57.8

REGRESSED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	654	3000K	1800K	14.0	46.7
	M	738			14.0	52.7
	N	751			14.0	53.6
L13	W	1147			23.4	49.1
	M	1293			23.4	55.3
	N	1316			23.4	56.3
L21	W	1878			37.7	49.8
	M	2116			37.7	56.1
	N	2155			37.7	57.2

MULTIPLIER TABLES

OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79

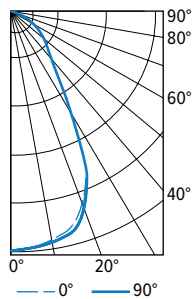


TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- 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 3000K, 95 CRI, full output, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

PHOTOMETRY

4DS-L21/9DW-DIM1-UNV-LW-OF-WH Total Luminaire Output: 1956 lumens; 37.7 Watts | Efficacy: 51.9 lm/W | 95.0 CRI; 3000K CCT



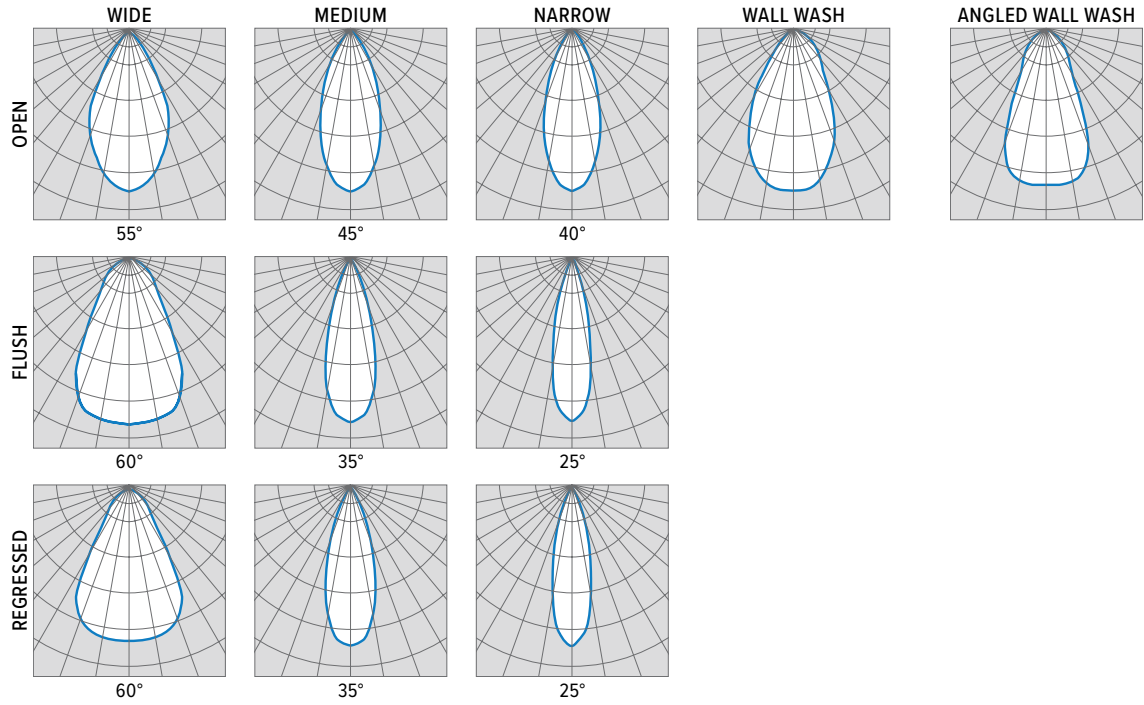
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1454	1454	1454	
5	1441	1441	1442	137
15	1359	1379	1388	386
25	1055	1194	1058	502
35	477	726	468	368
45	302	328	299	246
55	183	188	182	169
65	96	93	94	97
75	40	39	40	43
85	5	4	6	8
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1025	52
	0 - 40	1393	71
	0 - 60	1807	92
	0 - 90	1956	100
	0 - 180	1956	100

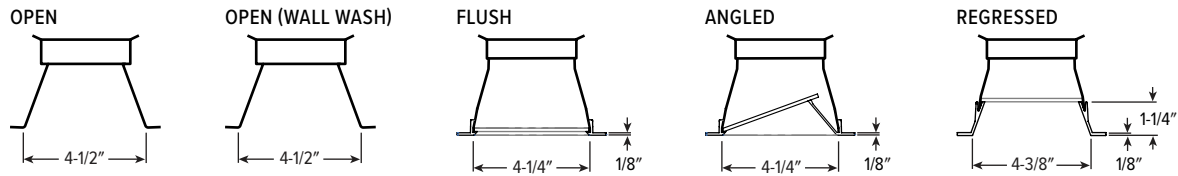


4DS dim to WARM

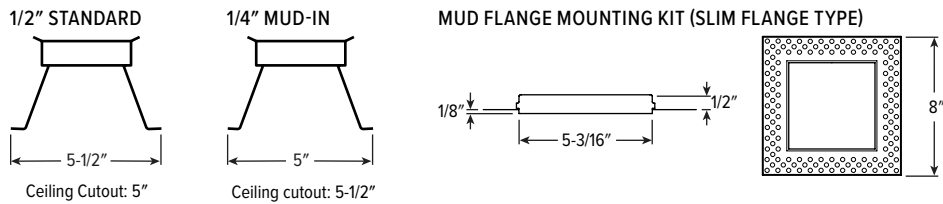
4.5" Downlight – Square



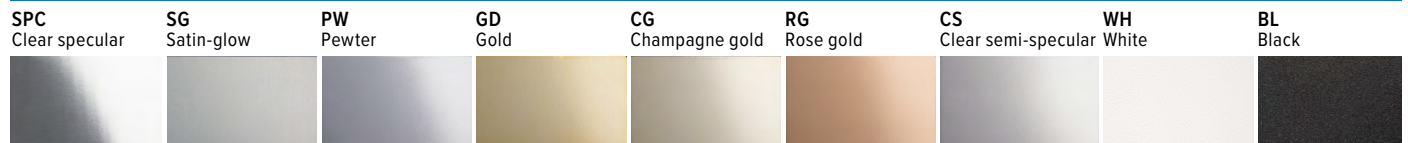
TRIM TYPE DETAILS



FLANGE TYPE DETAILS



REFLECTOR FINISH DETAILS

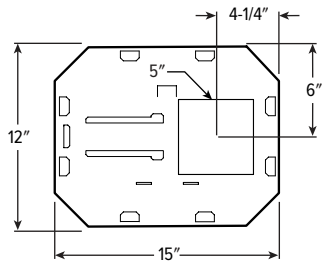


4DS dim to WARM

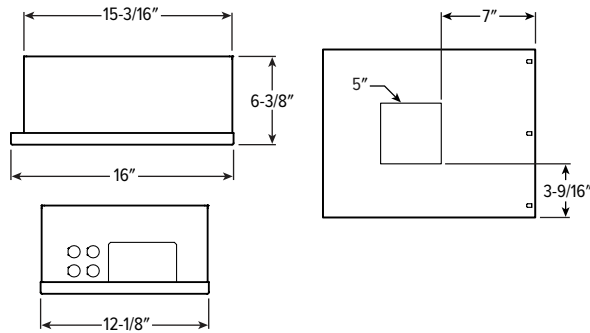
4.5" Downlight – Square

MOUNTING TYPE DETAILS

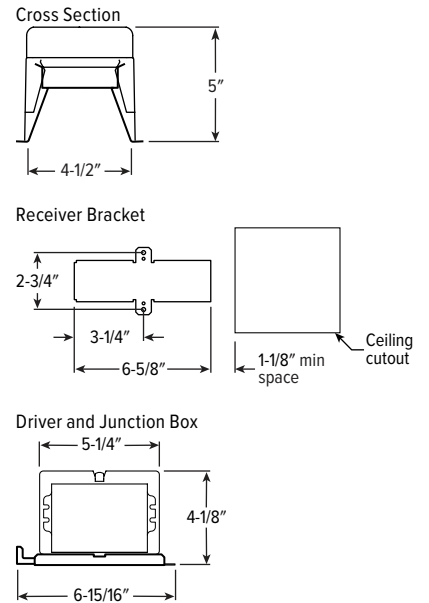
NEW CONSTRUCTION



IC-RATED



REMODEL

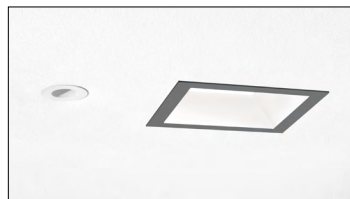


APERTURE ADAPTOR ORDERING INFO

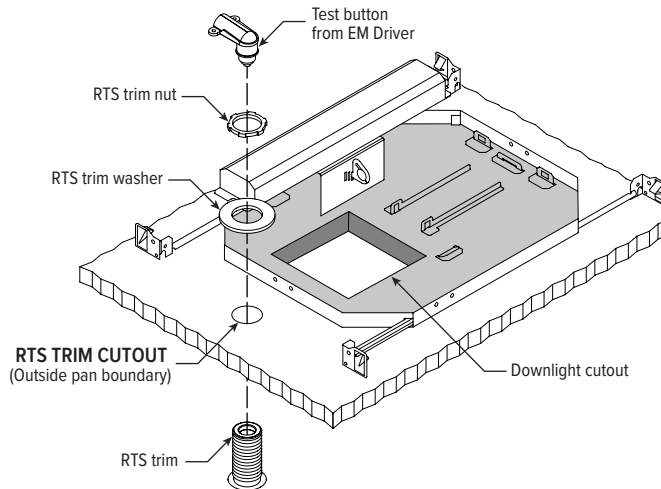
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR	6AR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575
4DR	6DR		
4DS	6DS		
4PR	6PR		
4PS	6PS		
	8DR		
			CS Clear semi-specular powder coat
			WH White texture powder coat
			BL Black texture powder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

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

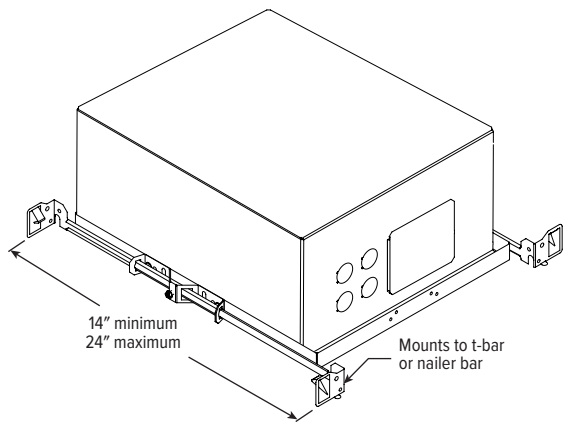
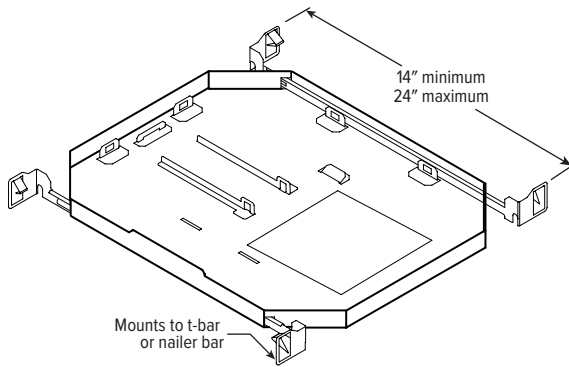


4DS dim to WARM

4.5" Downlight – Square

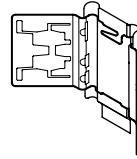
MOUNTING HARDWARE DETAILS

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

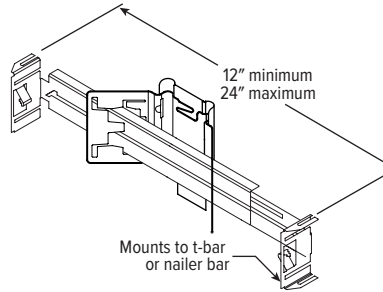


F1 with I Mounting Type

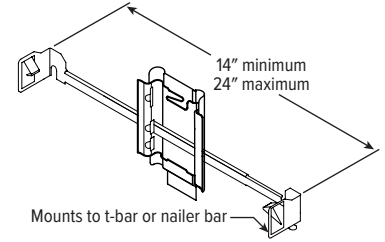
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

