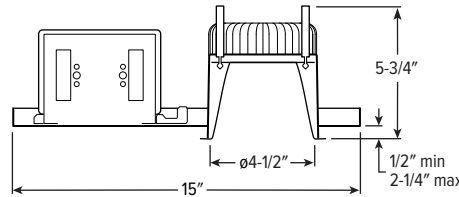
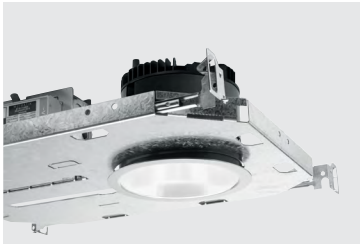


4DR tunable WHITE 4.5" Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL



TrimLock®

ORDERING EXAMPLE: 4DR - TL - L13/8TW - OPTIONS - CONTROL/DIM - UNV - OW - OF - CS - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	DRIVER	VOLTAGE
4DR-TL	L13 1,300lm	8TW Tunable white (80 CRI, 2700K-5000K)	See page 3 for EMERGENCY BATTERY OPTIONS.	– None	See page 3 for DRIVER DETAILS.	UNV 120-277V
TrimLock	L22 2,200lm		See page 3 for APERTURE ADAPTOR ORDERING INFO.	AWNR Lutron Athena wireless node integral fixture control, RF only ^[4]	DALI Driver prewired for DALI applications	
			SCA _ _ Sloped ceiling adaptor ^[2]		DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	
			ATH Airtight construction		DMX Driver prewired for DMX applications	
			F Fuse kit		LD2 Lutron DALI-2 digital driver, 1% ^[5]	
			CP Chicago plenum (CCEA) ^[3]			

TRIM ^[6]

TRIM TYPE	DISTRIBUTION	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	See page 2 for BEAM ANGLE.	OF 1/2" standard flange	Open trim types	MWT Smooth matte white trim flange ^[13]
F Open reflector with frosted top diffuser ^[7]		SF 1/4" mud-in flange ^[11]	CS Clear semi-specular anodize	IP IP65 rated trim ^[14]
L Flush lens	W Wide		SG Satin-glow anodize	AD Diffuse acrylic lens ^[15]
R Regressed lens	M Medium		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[16]
A Angled lens ^[8]	N Narrow		CG Champagne gold anodize	WET/CC Wet location, covered ceiling listed
S Non-conductive flush lens for shower applications ^[9]	WW Wall wash ^[10]		PW Pewter anodize	AM Anti-microbial ^[17]
			SPC Clear specular anodize	
			RG Rose gold anodize	
			WH White texture powder coat	
			BL Black texture powder coat	
			Lens trim types	
			CS Clear semi-specular powder coat	
			WH White texture powder coat	
			BL Black texture powder coat	
			MB Black texture splay with white flange ^[12]	

MOUNTING

MOUNTING TYPE ^[18]	MOUNTING HARDWARE ^[19]
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[22]
I IC-rated enclosure for new construction ^[20]	BA1 Adjustable butterfly pan bracket, bar hanger not included ^[23]
R Remodel kit ^[21]	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[24]

NOTES

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- 9" aperture, specify degrees of slope in 5° increments, 05°-30°. Not available with I Mounting Type, S Trim Type, ATH, IP, or WET/CC Options. Painted white. Other colors available, consult factory. See page 4 for SLOPED CEILING ADAPTOR DETAILS.
- I Mounting Type required.
- LD2 Driver only.
- Not available with I Mounting Type.
- Trim ships separately.
- WET/CC standard unless ordered with EM/RTS or SCA Options.
- Available with WW Distribution only.
- W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC Options standard.
- O and A Trim Types only.
- 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.
- R Trim Type only. Not available with MWT Trim Option.
- Not available with WH Reflector Finish, L or S Trim Types.
- L and R Trim Types only.
- Not available with O or F Trim Types. W and WW Distributions only.
- Not available with O or F Trim Types. W and WW Distributions 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 5 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 5 for MOUNTING TYPE DETAILS.
- Not available with EM batteries.
- Also used in new construction sheetrock ceilings. Pan-less installation.
- N and I Mounting Types only. I Mounting Type requires external brackets.
- N Mounting Type only.
- N Mounting Type only.

4DR tunable WHITE 4.5" 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
- Beam angles ranging from 10° narrow to 65° wide for tailored performance
- Die cast trim choices include flush, regressed or angled lens
- Fully room-side accessible
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Sloped adapter accommodates vaulted ceilings
- Open reflector with nine finishes complements any interior style
- Optional non-conductive lens for shower applications
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

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".
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.
- OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- 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 or F trim type.
- IC-rated for direct contact with insulation when specified with I Mounting Type.
- IP65 rated trim when specified with IP option.
- 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

		OPEN REFLECTOR TRIM TYPE		
	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)
L13	W	14.6	1283	88
	M	14.6	1281	88
	N	14.6	1283	88
L22	W	24.0	2289	95
	M	24.0	2198	92
	N	24.0	2097	87

		FLUSH LENS TRIM TYPE	
		DELIVERED LUMENS	EFFICACY (lm/W)
		1029	71
		1148	79
		1175	81
		1781	74
		2020	84
		2033	85

		REGRESSED LENS TRIM TYPE	
		DELIVERED LUMENS	EFFICACY (lm/W)
		1040	71
		1149	79
		1181	81
		1799	75
		2026	84
		2043	85

MULTIPLIER TABLES

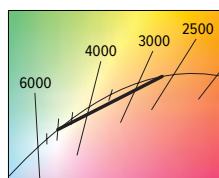
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG ^[1]	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH ^[1]	0.89
BL ^[1]	0.47

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
S	0.85
AD	0.85
PD	0.85
WET/CC	0.85

R TRIM	
CATALOG NUMBER	CONVERSION FACTOR
WH	1.00
CS	0.98
BL	0.79

- Distribution will also be affected, consult factory.
 - Beam angle based on CS or WH Reflector Finish.
- Photometrics tested in accordance with IESNA LM-79. Results based on O Trim Type, W Distribution, CS Reflector Finish, 80 CRI/4000K CCT, average wattage for 120V input, and 25°C 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.

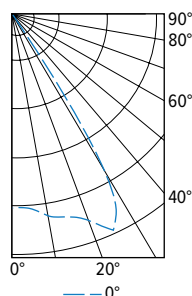


BEAM ANGLE

TRIM TYPE ^[2]				
	O	F	L	R
W	65°	60°	50°	50°
M	45°	50°	35°	30°
N	10°	25°	25°	25°

PHOTOMETRY

4DR-TL-L13/8TW-DIM-UNV-OW-OF-CS Total Luminaire Output: 1283 lumens; 14.6 Watts | Efficacy: 87.9 lm/W | 80.0 CRI; 4037K CCT



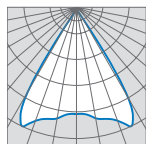
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1158	
	5	1193	114
	15	1254	356
	25	1428	660
	35	196	124
	45	28	22
	55	7	6
	65	1	1
	75	0	0
	85	0	0
	90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	1254	98
	0 - 60	1283	100
	0 - 90	1283	100
	0-180	1283	100

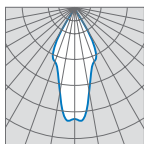
PHOTOMETRY CONTINUED ON NEXT PAGE

4DR tunable WHITE 4.5" Downlight – Round

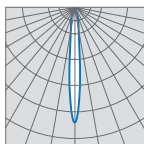
OPEN (O)



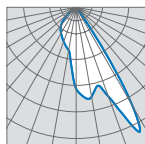
65° Wide



45° Medium

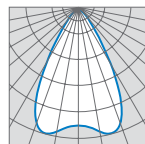


10° Narrow

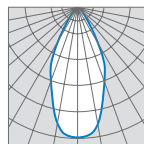


Wall Wash

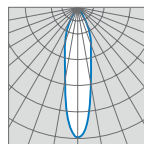
OPEN TOP DIFFUSER (F)



60° Wide

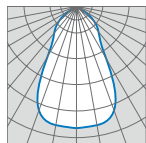


50° Medium

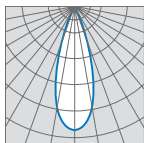


25° Narrow

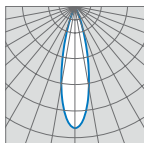
FLUSH (L)



50° Wide

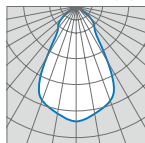


35° Medium

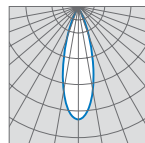


25° Narrow

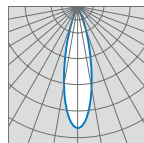
REGRESSED (R)



50° Wide

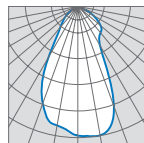


30° Medium



25° Narrow

ANGLED (A)



Wall Wash

DRIVER DETAILS

DIM



DALI



DMX



LD2



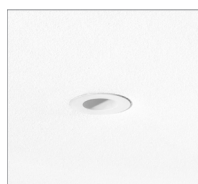
EMERGENCY BATTERY OPTIONS

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

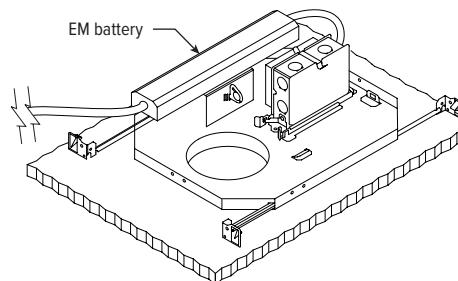
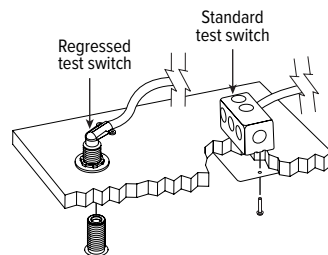


Regressed test switch
ø1-3/4"



Standard test switch
2-3/4" x 4-1/2"

Max remote distance is 50',
connection by others.



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 WH BL	Clear semi-specular powder coat White texture powder coat Black texture powder coat

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

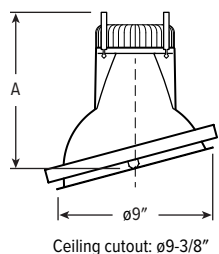
Additional finishes available, consult factory.

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



4DR tunable **WHITE** 4.5" Downlight – Round

SLOPED CEILING ADAPTOR DETAILS

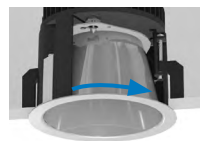


A (HEIGHT)						PLENUM HEIGHT
5°	10°	15°	20°	25°	30°	
8-13/16"	8-15/16"	9"	8-15/16"	8-7/8"	8-11/16"	9-1/4"

15° Shown

TRIMLOCK DETAILS

TWIST



PULL

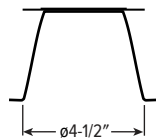


RELEASE

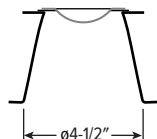


TRIM TYPE DETAILS

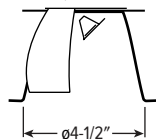
OPEN



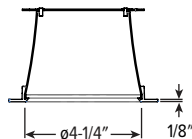
OPEN TOP DIFFUSER



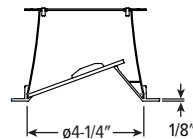
OPEN (WALL WASH)



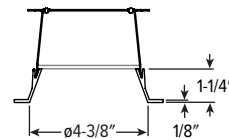
FLUSH | SHOWER



ANGLED

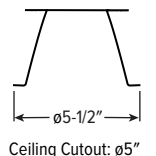


REGRESSED



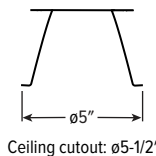
FLANGE TYPE DETAILS

1/2" STANDARD



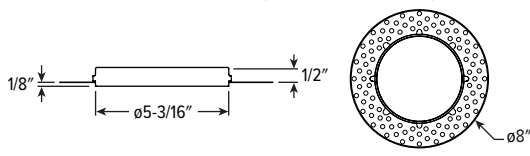
Ceiling Cutout: ø5"

1/4" MUD-IN



Ceiling cutout: ø5-1/2"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



REFLECTOR FINISH DETAILS

SPC Clear specular	SG Satin glow	PW Pewter	GD Gold	CG Champagne gold	RG Rose gold	CS Clear semi-specular	WH White	BL Black

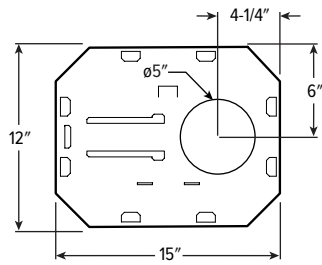
SEE NEXT PAGE FOR MOUNTING DETAILS



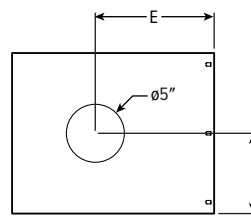
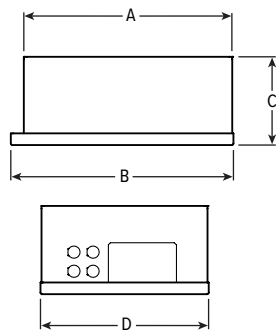
4DR tunable **WHITE** 4.5" Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION



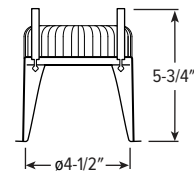
IC-RATED



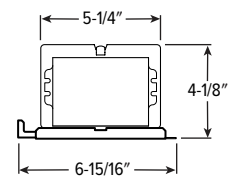
LUMENS	LENGTH					
	A	B	C	D	E	F
L13	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L22	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"

REMODEL

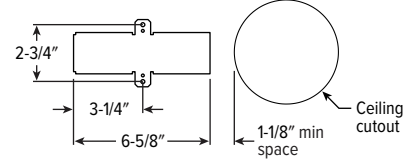
CROSS SECTION



DRIVER & JUNCTION BOX

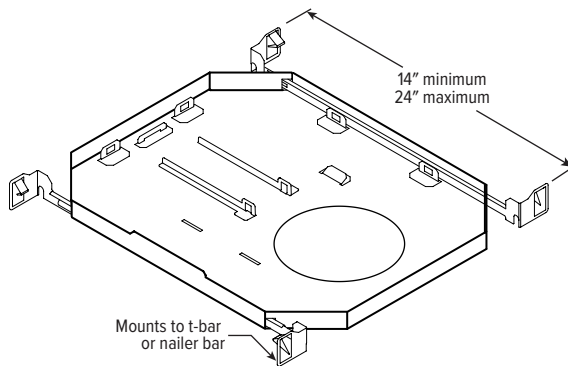


RECEIVER BRACKET

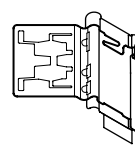


MOUNTING HARDWARE DETAILS

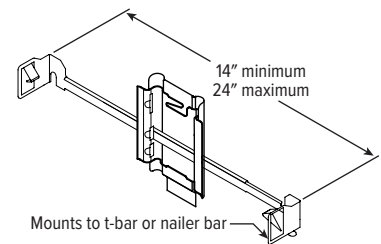
F1 Integral 2-position fixed pan bracket, universal bar hanger included



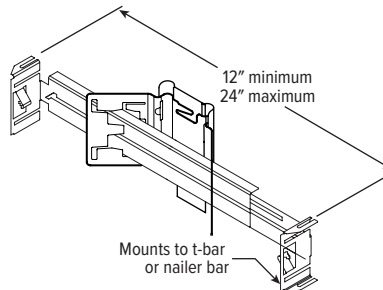
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



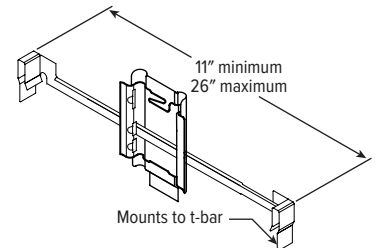
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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



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



F1 with I Mounting Type

