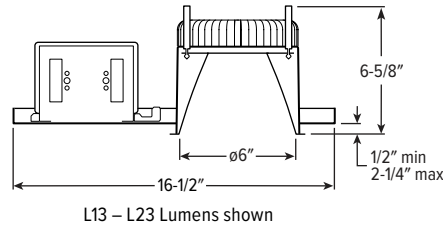
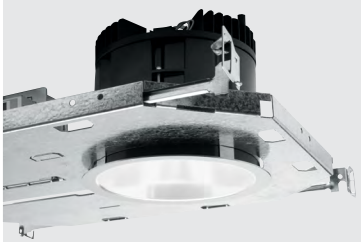


6DR tunable WHITE 6" Downlight – Round



L13 – L23 Lumens shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL



TrimLock®

ORDERING EXAMPLE: **6DR - TL - L13/8TW - OPTIONS - CONTROL/DIM - UNV - OW - OF - CS - TRIM OPTIONS - N - F1**

HOUSING TRIM MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	DRIVER	VOLTAGE
6DR-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	L23 2,300lm		See page 3 for APERTURE ADAPTOR ORDERING INFO .	AWNRLutron Athena wireless node integral fixture control, RF only ^[4]	DALI Driver prewired for DALI applications	
	L42 4,200lm		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	
			CP Chicago plenum (CCEA) ^[3]		LD2 Lutron DALI-2 digital driver, 1% ^[5]	
			F Fuse kit			

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 ^[15]
F Open reflector with frosted top diffuser ^[7]		SF 1/4" mud-in flange ^[13]	CS Clear semi-specular anodize	IP IP65 rated trim ^[16]
L Flush lens	W Wide		SG Satin-glow anodize	AD Diffuse acrylic lens ^[17]
R Regressed lens	M Medium ^[10]		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[18]
A Angled lens ^[8]	N Narrow ^[11]		CG Champagne gold anodize	WET/CC Wet location, covered ceiling listed
S Non-conductive flush lens for shower applications ^[9]	WW Wall wash ^[12]		PW Pewter anodize	AM Anti-microbial ^[19]
			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 ^[14]	

MOUNTING

MOUNTING TYPE^[20]

- N** Open pan for new construction
- I** IC-rated enclosure for new construction^[22]
- R** Remodel kit^[23]

MOUNTING HARDWARE^[24]

- F1** Integral 2-position fixed pan bracket, universal bar hanger included^[24]
- BA1** Adjustable butterfly pan bracket, bar hanger not included^[25]
- CA1** Adjustable caterpillar pan bracket, universal bar hanger included^[26]

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**.
- 11-1/2" 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, IP and WET/CC Trim Options.
- Not available with L42 lumen package when specified with L or R Trim Types.
- Not available with L42 lumen package when specified with L or R Trim Types.
- 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 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 HARDWARE DETAILS**.
- L13 and L23 lumen packages only. 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.



6DR tunable WHITE 6" 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
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Optional non-conductive lens for shower applications
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Die-cast trim includes flush, regressed or angled lens
- Open reflector with nine finishes complements any interior style
- Sloped adapter accommodates vaulted ceilings
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses
- 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. Minimum 24" O.C. marked spacing required for L42 lumen package.

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.
- 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.

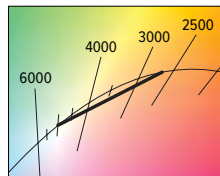
FIXTURE PERFORMANCE DATA

	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L13	W	14.6	1320	90	1135	78	1098	75
	M	14.6	1317	90	1220	84	1183	81
	N	14.6	1345	92	1231	84	1199	82
L23	W	24.0	2357	98	1964	82	1900	79
	M	24.0	2285	95	2117	88	2059	86
	N	24.0	2187	91	2129	89	2075	87
L42	W	44.9	4304	96	3596	80	3480	78
	M	44.9	4173	93	–	–	–	–
	N	44.9	3994	89	–	–	–	–

¹ Distribution will also be affected, consult factory.

² 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 and 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°	70°	55°	55°
M	35°	35°	35°	35°
N	10°	20°	25°	25°

MULTIPLIER TABLES

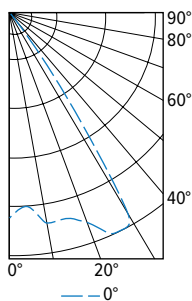
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

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

	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ^[1]	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
R TRIM	WH ^[1]	0.89
	BL ^[1]	0.47
	WH	1.00
	CS	0.98
	BL	0.79

PHOTOMETRY

6DR-TL-L13/8TW-DIM-UNV-OW-OF-CS Total Luminaire Output: 1320 lumens; 14.6 Watts | Efficacy: 90.4 lm/W | 80.0 CRI; 4037K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1110	
	5	1049	100
	15	1152	327
	25	1316	609
	35	401	252
	45	31	24
	55	9	8
	65	1	1
	75	0	0
	85	0	0
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1288	98
	0 - 60	1320	100
	0 - 90	1320	100
	0 - 180	1320	100

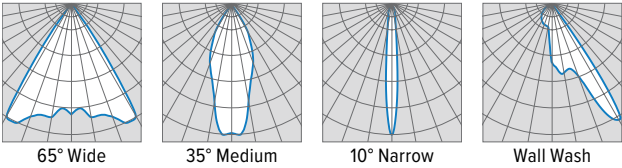
PHOTOMETRY CONTINUED ON NEXT PAGE



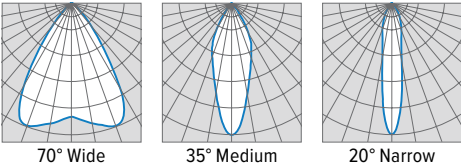
6DR tunable WHITE

6" Downlight – Round

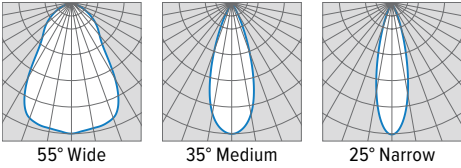
OPEN (O)



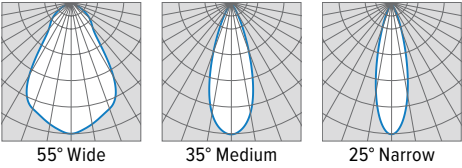
OPEN TOP DIFFUSER (F)



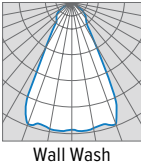
FLUSH (L)



REGRESSED (R)



ANGLED (A)



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.

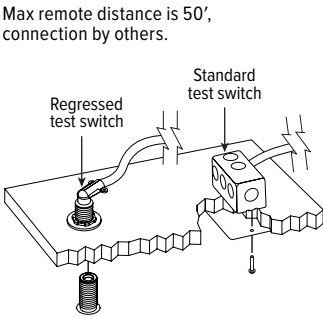
MOUNTING DETAILS



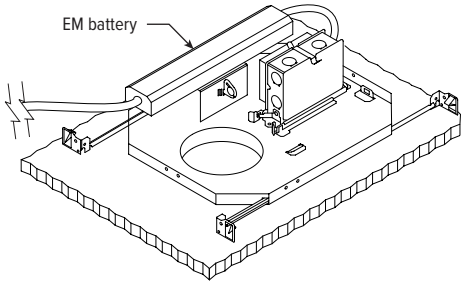
Regressed test switch
ø1-3/4"



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 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.

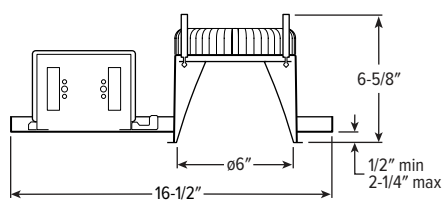
For limitations and instructions, see hew.com/aperture-adaptor.pdf

6DR tunable WHITE

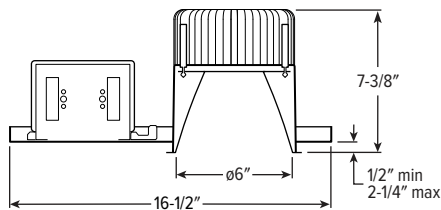
6" Downlight – Round

CROSS SECTIONS

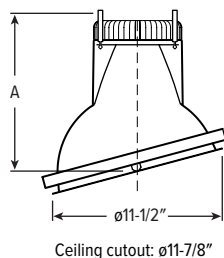
L13 – L23 LUMENS



L42 LUMENS



SLOPED CEILING ADAPTOR DETAILS

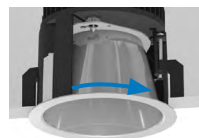


LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
L13 - L23	10-11/16"	10-7/8"	10-15/16"	10-7/8"	10-13/16"	10-5/8"	11-1/4"
L42	11-7/16"	11-9/16"	11-5/8"	11-5/8"	11-1/2"	11-1/4"	12"

15° Shown

TRIMLOCK DETAILS

TWIST



PULL

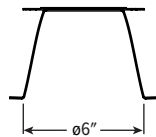


RELEASE

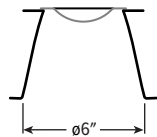


TRIM TYPE DETAILS

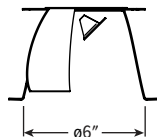
OPEN



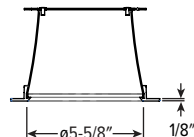
OPEN TOP DIFFUSER



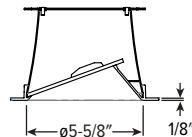
OPEN (WALL WASH)



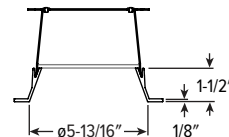
FLUSH | SHOWER



ANGLED

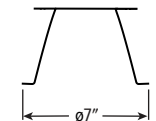


REGRESSED



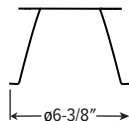
FLANGE TYPE DETAILS

1/2" STANDARD



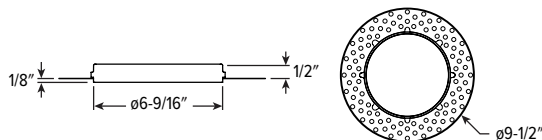
Ceiling Cutout: $\phi 6\text{--}1/2"$

1/4" MUD-IN



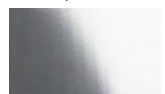
Ceiling cutout: $\phi 7"$

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)

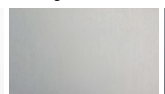


REFLECTOR FINISH DETAILS

SPC
Clear specular



SG
Satin glow



PW
Pewter



GD
Gold



CG
Champagne gold



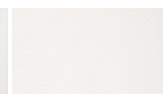
RG
Rose gold



CS
Clear semi-specular



WH
White



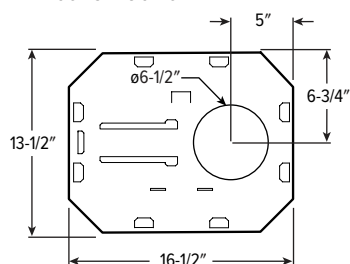
BL
Black



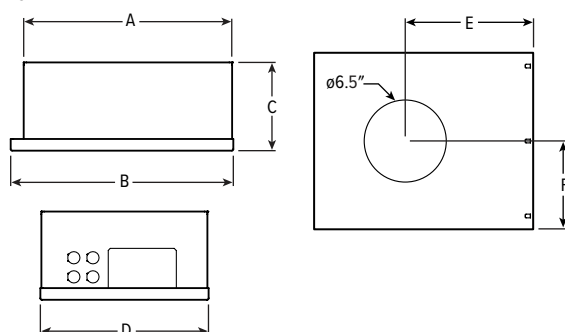
6DR tunable **WHITE** 6" Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION



IC-RATED

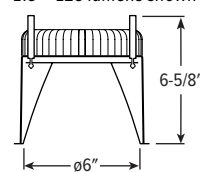


LUMENS	LENGTH					
	A	B	C	D	E	F
L13	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L23	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"

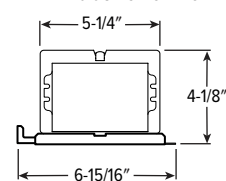
REMODEL

CROSS SECTION

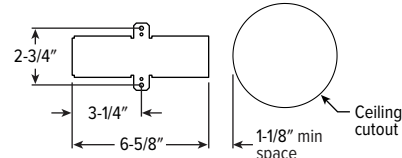
L13 – L23 lumens shown



DRIVER & JUNCTION BOX

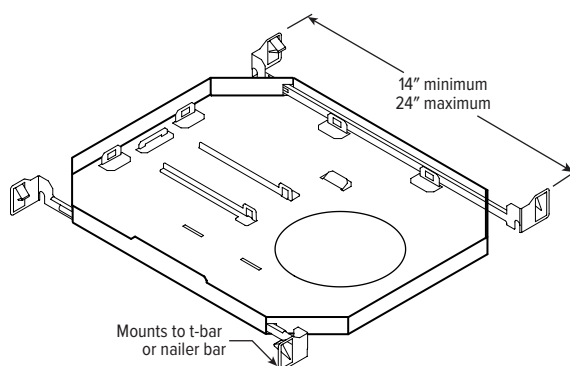


RECEIVER BRACKET

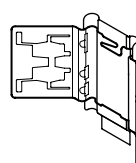


MOUNTING HARDWARE DETAILS

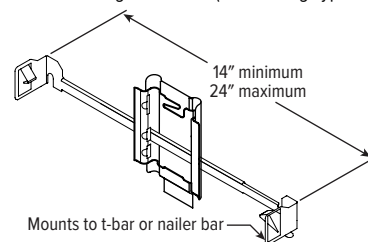
F1 Integral 2-position fixed pan bracket, universal bar hanger included



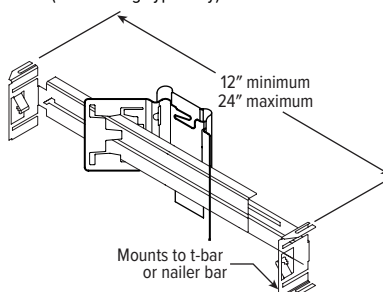
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



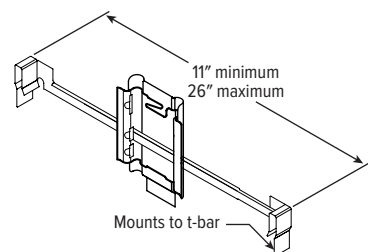
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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

