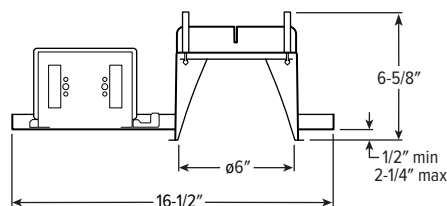


6DR dim to **WARM** 6" Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 6DR - TL - L25/9DW - OPTIONS - DIM1 - UNV - OW - OF - CS - TRIM OPTIONS - N - F1

HOUSING TRIM MOUNT



HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	DRIVER	VOLTAGE
6DR-TL	L8 800lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	See page 3 for EMERGENCY BATTERY OPTIONS.	DIM1 1% dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V
TrimLock	L15 1,500lm			LUT Lutron Ecosystem enabled ^[5]	347 347V ^[6]
	L25 2,500lm		SCA Sloped ceiling adapter ^[2]		
			ATH Airtight construction		
			F Fuse		
			CP Chicago plenum (CCEA) ^[3]		
			SDT Stepdown transformer ^[4]		

TRIM ^[7]

TRIM TYPE	DISTRIBUTION ^[8]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange ^[14]
L Flush lens	65° Open	SF 1/4" mud-in flange ^[12]	CS Clear semi-specular anodize	IP IP65 rated trim ^[15]
R Regressed lens	55° Flush		SG Satin-glow anodize	AD Diffuse acrylic lens ^[16]
A Angled lens ^[9]	55° Regressed		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[17]
S Non-conductive flush lens for shower applications ^[10]	M Medium		CG Champagne gold anodize	TD Diffuse polycarbonate lens media at top of open reflector ^[18]
	35° Open		PW Pewter anodize	WET/CC Wet location, covered ceiling listed ^[19]
	35° Flush		SPC Clear specular anodize	AM Anti-microbial ^[20]
	35° Regressed		RG Rose gold anodize	
	N Narrow		WH White texture powder coat	
	10° Open		BL Black texture powder coat	
	25° Flush			
	25° Regressed		Lens trim types	
	WW Wall wash ^[11]		CS Clear semi-specular powder coat	
			WH White texture powder coat	
			BL Black texture powder coat	
			MB Black texture splay with white flange ^[13]	

MOUNTING

MOUNTING TYPE ^[21]	MOUNTING HARDWARE ^[22]
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[25]
I IC-rated enclosure for new construction ^[23]	BA1 Adjustable butterfly pan bracket, bar hanger not included ^[26]
R Remodel kit ^[24]	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[27]

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3000K/95CRI. Actual lumens 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.
- May be required for 347V, see product builder at hew.com/product-builder.
- Not available with I Mounting Type.
- Not available with EM batteries.
- Trim ships separately.
- Beam angle based on CS or WH reflector finish.
- 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.
- Not available with WH Reflector Finish, L or S Trim Types.
- L and R trim types only.
- Not available with O trim type. W and WW distributions only.
- Not available with O trim type. W and WW distributions only.
- O Trim Type only. WET/CC standard unless ordered with EM/RTS.
- Not available with PD trim option.
- 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.
- L8 and L15 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 requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



6DR dim to WARM 6" Downlight – Round

FEATURES

TrimLock®

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Beam angles ranging from 10° narrow to 65° wide for tailored performance
- Open reflector with nine finishes complements any interior style
- Die-cast trim choices include flush, regressed, or angled lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Sloped adapter accommodates vaulted ceilings
- Optional non-conductive lens for shower applications
- IP65-rated die-cast trim includes easy-to-clean flush lens

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 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 or TD options.
 - 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.
 - 24 | JA8 compliance.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

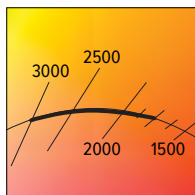
					OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
CCT AT 100% (FULL OUTPUT)		CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L8	3000K	1800K	W	14.0	887	63	739	53	716	51
			M	14.0	860	61	797	57	775	55
			N	14.0	823	59	802	57	781	56
L15			W	23.4	1554	66	1296	55	1254	54
			M	23.4	1508	64	1397	60	1359	58
			N	23.4	1442	62	1405	60	1370	59
L25			W	37.7	2471	66	2123	56	2054	55
			M	37.7	2465	65	2284	61	2226	59
			N	37.7	2518	67	2302	61	2243	60

MULTIPLIER TABLES

	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
	WH ¹	0.89
R TRIM	BL ¹	0.47
	WH	1.00
	CS	0.98
	BL	0.79

BEAM ANGLE

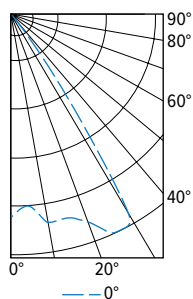
	TRIM TYPE		
	FLUSH	OPEN	REGRESSED
W	65°	55°	55°
M	35°	35°	35°
N	10°	25°	25°



- Distribution will also be affected, consult factory.
 - Use multiplier when specified with O Trim Type.
- 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/95CRI, actual lumens 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

6DR-TL-L25/9DW-DIM1-UNV-OW-OF-CS Total Luminaire Output: 2471 lumens; 37.7 Watts | Efficacy: 65.5 lm/W | 95.0 CRI; 3000K CCT

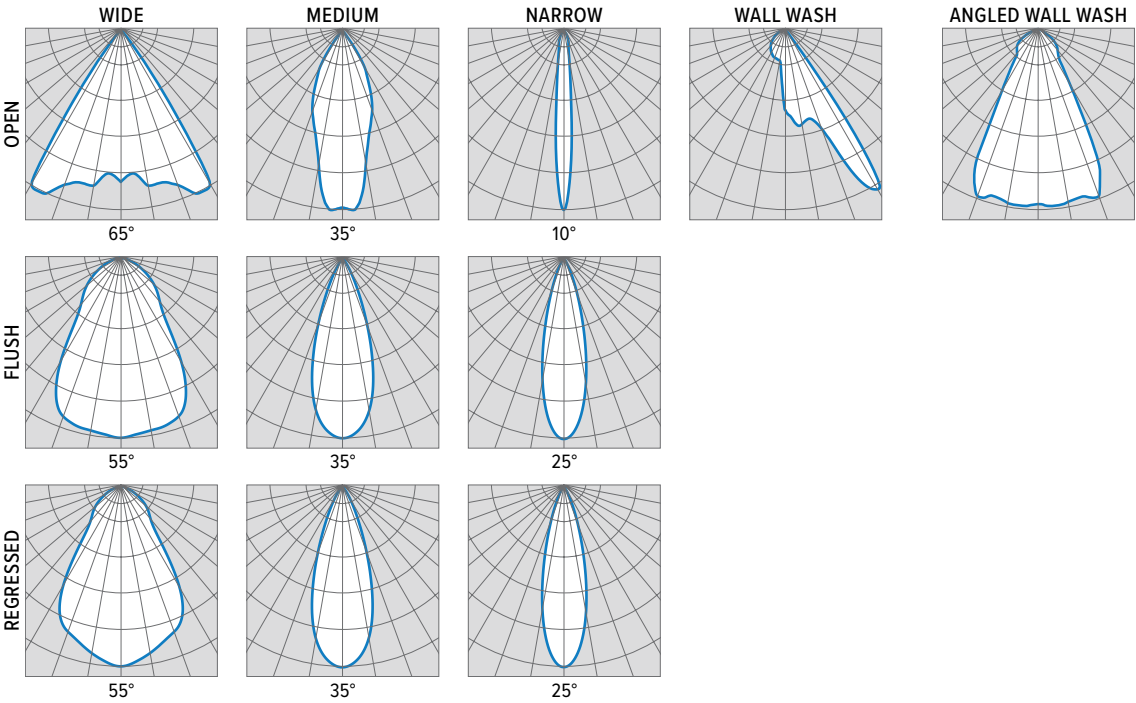


	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	2078	
	5	1963	187
	15	2157	611
	25	2464	1140
	35	751	472
	45	57	44
	55	16	15
	65	2	2
	75	0	0
	85	0	0
	90	0	0

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 40	2410	98
	0 - 60	2470	100
	0 - 90	2471	100
	0 - 180	2471	100



6DR dim to **WARM** 6" Downlight – Round



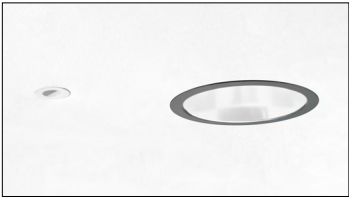
EMERGENCY BATTERY OPTIONS

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

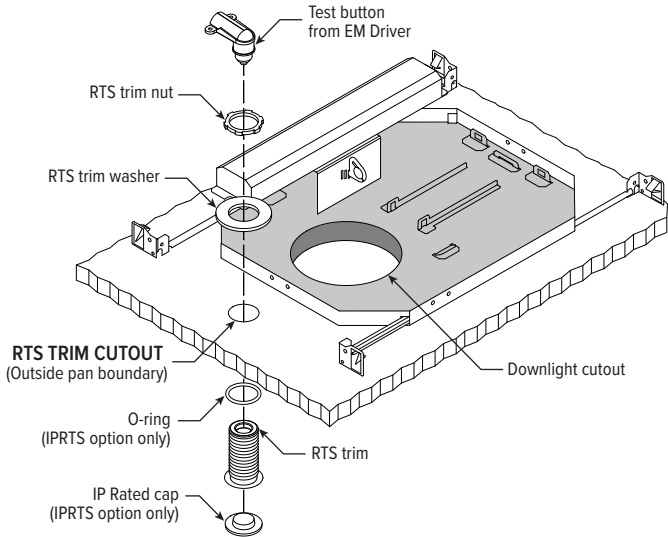
CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery ^[1]
EM/7W/RTS	7-watt emergency battery with regressed test switch ^[2]
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch
EM/10W	10-watt emergency battery ^[1]
EM/10W/RTS	10-watt emergency battery with regressed test switch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

- 1
- Not available with S Trim Type or IP Option.
- 2
- Not available with S Trim Type, IP or WET/CC Options.

REGRESSED TEST SWITCH DETAILS



Shown Installed



6DR dim to **WARM** 6" Downlight – Round

TRIMLOCK DETAILS

TWIST



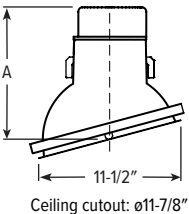
PULL



RELEASE



SLOPED CEILING ADAPTOR DETAILS

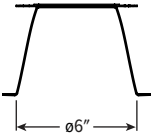


A (HEIGHT)						PLENUM HEIGHT
5°	10°	15°	20°	25°	30°	
10-11/16"	10-7/8"	10-15/16"	10-7/8"	10-13/16"	10-5/8"	11-1/4"

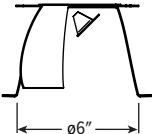
15° Shown

TRIM TYPE DETAILS

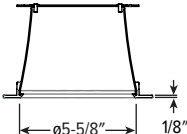
OPEN



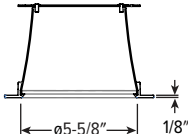
OPEN (WALL WASH)



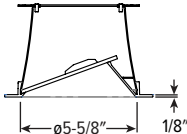
FLUSH



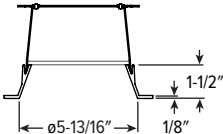
SHOWER



ANGLED

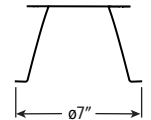


REGRESSED



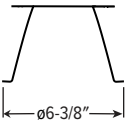
FLANGE TYPE DETAILS

1/2" STANDARD



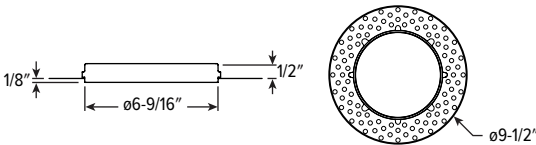
Ceiling Cutout: ø6-1/2"

1/4" MUD-IN



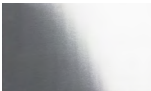
Ceiling cutout: ø7"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)

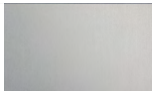


REFLECTOR FINISH DETAILS

SPC
Clear specular



SG
Satin glow



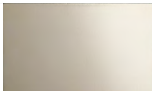
PW
Pewter



GD
Gold



CG
Champagne gold



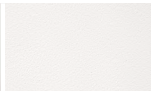
RG
Rose gold



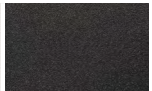
CS
Clear semi-specular



WH
White



BL
Black



APERTURE ADAPTOR ORDERING INFO

ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 4DR 4DS 4PR 4PS 8DR	6AR 6DR 6DS 6PR 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

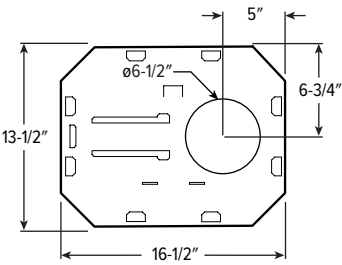
For use with remodel downlights. Additional finishes available, consult factory.
For limitations and instructions, see hew.com/aperture-adaptor.pdf



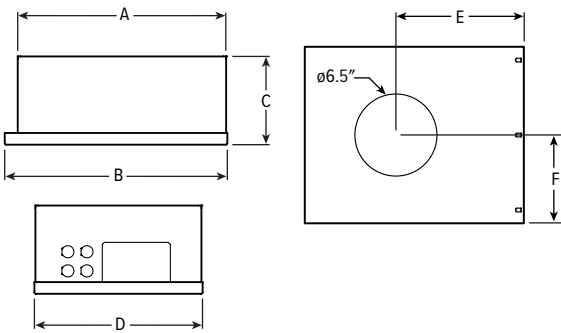
6DR dim to **WARM** 6" Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION

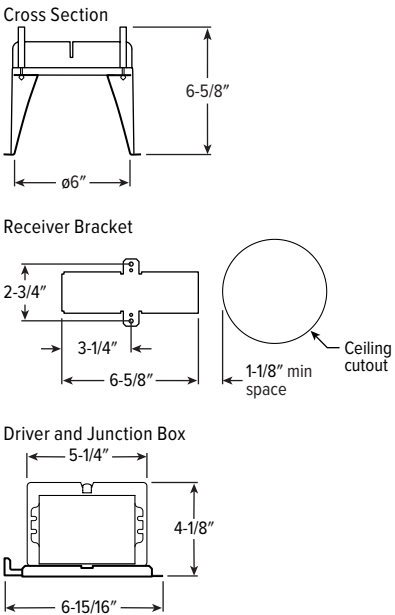


IC-RATED



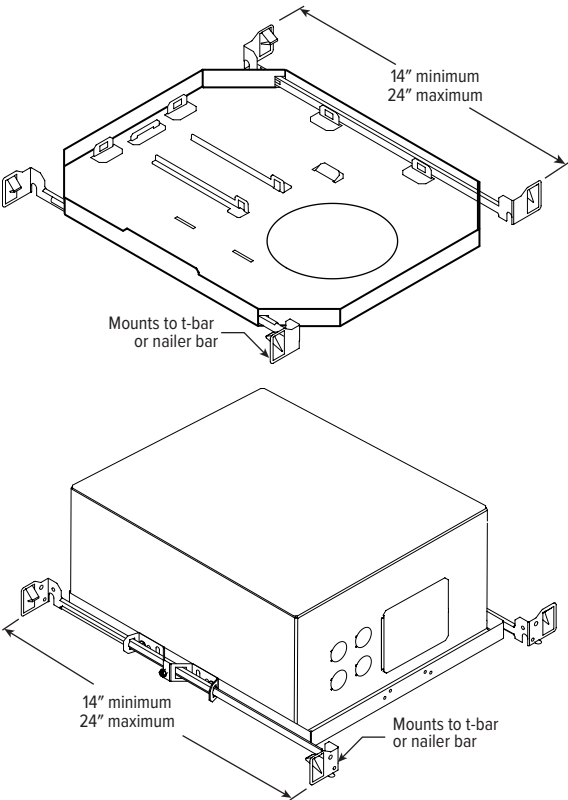
LUMENS	LENGTH					
	A	B	C	D	E	F
L8 - L15	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"

REMODEL



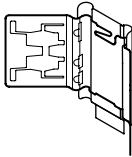
MOUNTING HARDWARE DETAILS

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

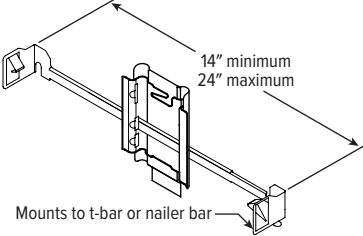


F1 with I Mounting Type

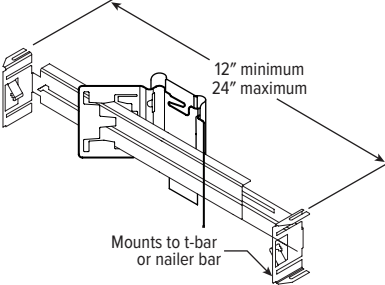
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

