

PROJECT: _____



TrimLock®

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

SERIES	LUMENS ^[1]	COLOR	OPTIONS	DRIVER	VOLTAGE
6DR-TL	L8 800lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	<i>See page 3 for EMERGENCY BATTERY OPTIONS.</i>	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 Steardown transformer ^[4]		

TRIM TYPE	DISTRIBUTION	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	<i>See page 2 for BEAM ANGLE.</i>	OF 1/2" standard flange	Open trim types	MWT Smooth matte white trim flange ^[14]
F Open reflector with frosted top diffuser ^[8]		SF 1/4" mud-in flange ^[12]	CS Clear semi-specular anodize	IP IP65 rated trim ^[15]
L Flush lens	W Wide		SG Satin-glow anodize	AD Diffuse acrylic lens ^[16]
R Regressed lens	M Medium		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[17]
A Angled lens ^[9]	N Narrow		CG Champagne gold anodize	WET/CC Wet location, covered ceiling listed
S Non-conductive flush lens for shower applications ^[10]	WW Wall wash ^[11]		PW Pewter anodize	AM Anti-microbial ^[18]
			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 ^[13]	

MOUNTING TYPE ^[19]		MOUNTING HARDWARE ^[20]	
N	Open pan for new construction	F1	Integral 2-position fixed pan bracket, universal bar hanger included ^[23]
I	IC-rated enclosure for new construction ^[21]	BA1	Adjustable butterfly pan bracket, bar hanger not included ^[24]
R	Remodel kit ^[22]	CA1	Adjustable caterpillar pan bracket, universal bar hanger included ^[25]

- 1 Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95CRI/3000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
 - 2 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 3 for SLOPED CEILING ADAPTOR DETAILS.
 - 3 I Mounting Type required.
 - 4 May be required for 347V, see product builder at hew.com/product-builder
 - 5 Not available with I Mounting Type.
 - 6 Not available with EM batteries.
 - 7 Trim ships separately.
 - 8 WET/CC standard unless ordered with EM/RTS or SCA Options.
 - 9 Available with WW Distribution only.
 - 10 W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD, IP and WET/CC Trim Options.
 - 11 O and A Trim Types only.
 - 12 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.
 - 13 R Trim Type only. Not available with MWT.
 - 14 Not available with WH Reflector Finish, L or S Trim Types.
 - 15 L and R Trim Types only.
 - 16 Not available with O or F Trim Types. W and WW Distributions only.
 - 17 Not available with O or F Trim Types. W and WW Distributions only.
 - 18 WH and BL Reflector Finishes only. Not available with S Trim Type.
 - 19 Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
 - 20 Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
 - 21 L8 and L15 lumen packages only. Not available with EM batteries.
 - 22 Also used in new construction sheetrock ceilings. Pan-less installation.
 - 23 N and I Mounting Types only. I Mounting requires external brackets.
 - 24 N Mounting Type only.
 - 25 N Mounting Type only.

6DR dim to WARM 6" Downlight – Round

FEATURES

- 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
- Made Right Here® in the USA

SPECIFICATIONS

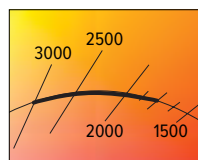
- HOUSING** – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms field adjust for ceiling thickness from 1/2" – 2-1/4".
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the 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 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 or F trim type.
- IC-rated for direct contact with insulation when specified with I Mounting Type.
- City of Chicago Environmental Air approved when specified with CP option.
- IP65 rated trim when specified with IP 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		FLUSH LENS		REGRESSED LENS	
					DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L8	3000K	1800K	DIST.	WATTAGE	887	63	739	53	716	51
			W <td>14.0</td> <td>860</td> <td>61</td> <td>797</td> <td>57</td> <td>775</td> <td>55</td>	14.0	860	61	797	57	775	55
			M <td>14.0</td> <td>823</td> <td>59</td> <td>802</td> <td>57</td> <td>781</td> <td>56</td>	14.0	823	59	802	57	781	56
L15			W <td>23.4</td> <td>1554</td> <td>66</td> <td>1296</td> <td>55</td> <td>1254</td> <td>54</td>	23.4	1554	66	1296	55	1254	54
			M <td>23.4</td> <td>1508</td> <td>64</td> <td>1397</td> <td>60</td> <td>1359</td> <td>58</td>	23.4	1508	64	1397	60	1359	58
			N <td>23.4</td> <td>1442</td> <td>62</td> <td>1405</td> <td>60</td> <td>1370</td> <td>59</td>	23.4	1442	62	1405	60	1370	59
L25			W <td>37.7</td> <td>2471</td> <td>66</td> <td>2123</td> <td>56</td> <td>2054</td> <td>55</td>	37.7	2471	66	2123	56	2054	55
			M <td>37.7</td> <td>2465</td> <td>65</td> <td>2284</td> <td>61</td> <td>2226</td> <td>59</td>	37.7	2465	65	2284	61	2226	59
			N <td>37.7</td> <td>2518</td> <td>67</td> <td>2302</td> <td>61</td> <td>2243</td> <td>60</td>	37.7	2518	67	2302	61	2243	60



- 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 and CS Reflector Finish, 95 CRI/3000K 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.

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

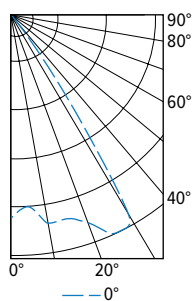
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
S	0.85
AD	0.85
PD	0.85
WET/CC	0.85

BEAM ANGLE

	TRIM TYPE ^[2]			
	O	F	L	R
W	65°	70°	55°	55°
M	35°	35°	35°	35°
N	10°	20°	25°	25°

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	

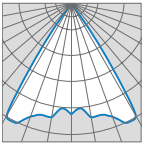
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2410	98
	0 - 60	2470	100
	0 - 90	2471	100
	0 - 180	2471	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

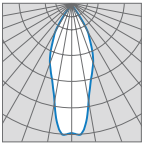


6DR dim to **WARM** 6" Downlight – Round

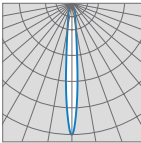
OPEN (O)



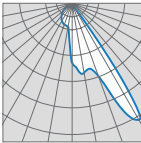
65° Wide



35° Medium

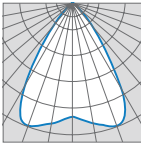


10° Narrow

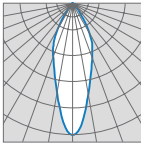


Wall Wash

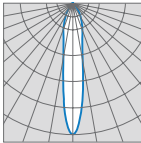
OPEN TOP DIFFUSER (F)



70° Wide

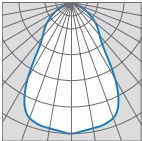


35° Medium

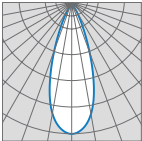


20° Narrow

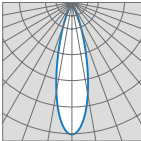
FLUSH (L)



55° Wide

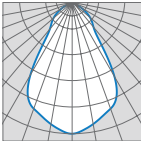


35° Medium

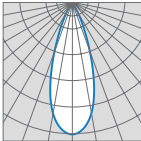


25° Narrow

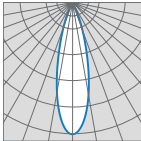
REGRESSED (R)



55° Wide

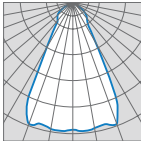


35° Medium



25° Narrow

ANGLED (A)



Wall Wash

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

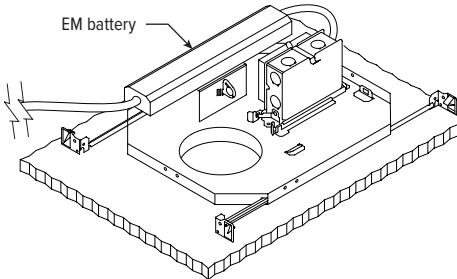
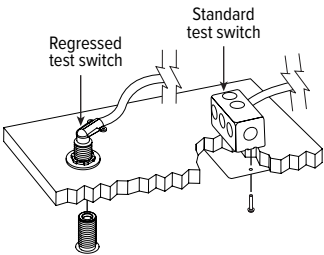


Regressed test switch
ø1-3/4"



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

Max remote distance is 50',
connection by others.



APERTURE ADAPTOR ORDERING INFO

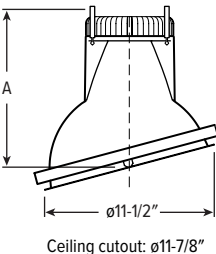
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR 4DR 6DR 4DS 6DS 4PR 6PR 4PS 6PS 8DR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575 See Kit Components for application limits.	CS Clear semi-specular powder coat WH White texture powder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

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



H.E. Williams, Inc.

Carthage, Missouri

www.hew.com

417-358-4065

Designed and Manufactured in the USA

Information contained herein is subject to change without notice.

REV.01/10/25.JL

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

TRIMLOCK DETAILS

TWIST



PULL

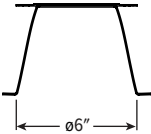


RELEASE

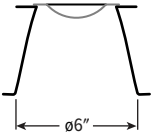


TRIM TYPE DETAILS

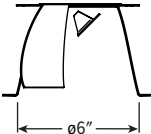
OPEN



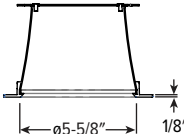
OPEN TOP DIFFUSER



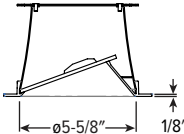
OPEN (WALL WASH)



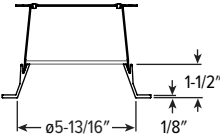
FLUSH | SHOWER



ANGLED

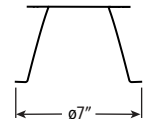


REGRESSED



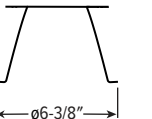
FLANGE TYPE DETAILS

1/2" STANDARD



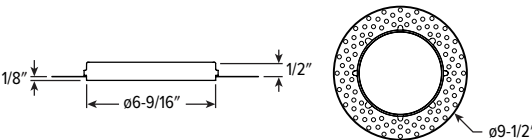
Ceiling Cutout: $\phi 6-1/2"$

1/4" MUD-IN



Ceiling cutout: $\phi 7"$

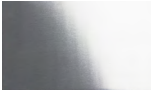
MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



REFLECTOR FINISH DETAILS

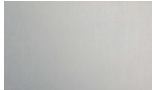
SPC

Clear specular



SG

Satin glow



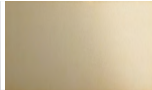
PW

Pewter



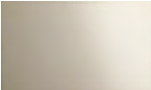
GD

Gold



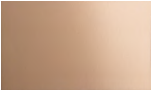
CG

Champagne gold



RG

Rose gold



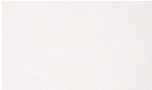
CS

Clear semi-specular White



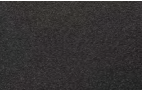
WH

White



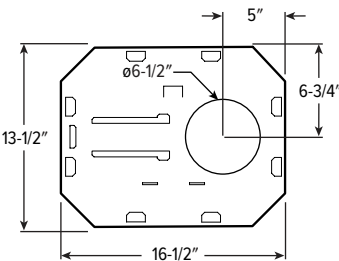
BL

Black

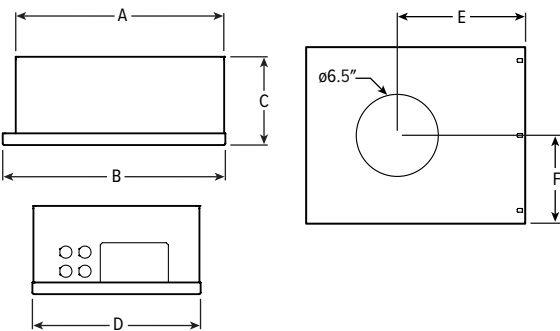


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



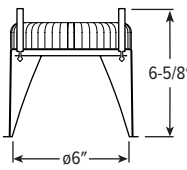
IC-RATED



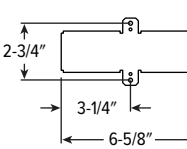
LUMENS	LENGTH					
	A	B	C	D	E	F
L8 - L15	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"

REMODEL

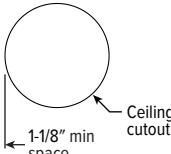
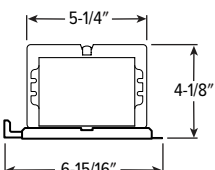
CROSS SECTION



RECEIVER BRACKET



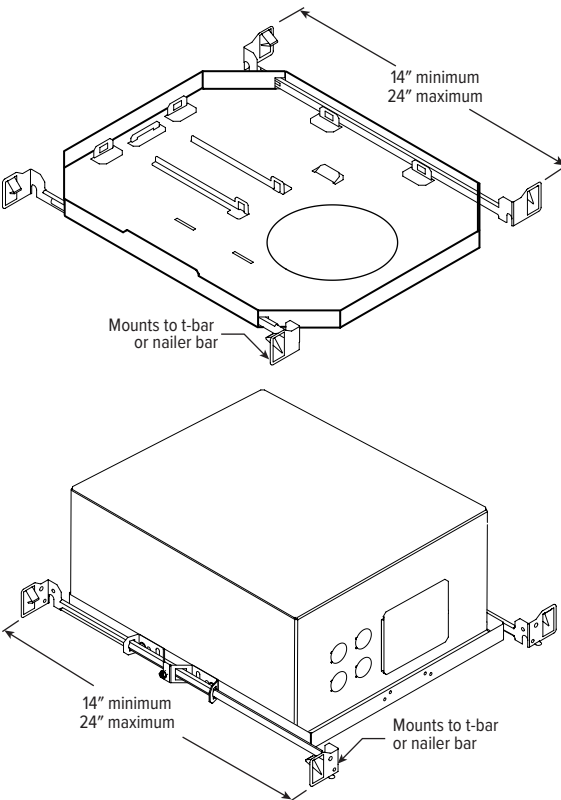
DRIVER & JUNCTION BOX



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

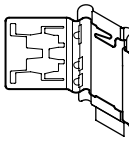
MOUNTING HARDWARE DETAILS

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

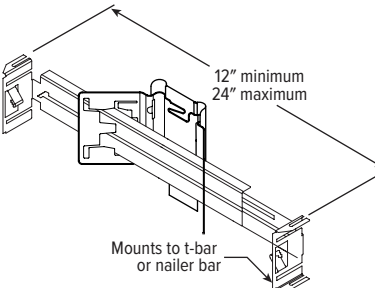


F1 with I Mounting Type

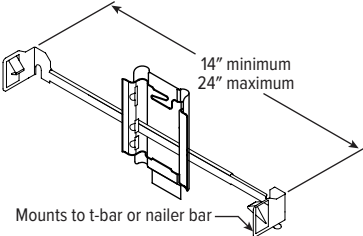
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

