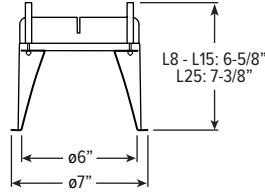


6DR dim to WARM 6" Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

TrimLock™

- Williams TrimLock reflector retention system eliminates trim sag
- Dim to warm from 1800K to 3000K CCT, minimum 95 CRI
- Beam angles ranging from 10° narrow to 65° wide for tailored performance
- Open reflector with 9 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

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 adjust for ceiling thickness from 1/2" - 1-7/16" (see options for additional ceiling thicknesses).
- 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, tempered glass lens.
- ELECTRICAL** – Five color, mid-power LED modules. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM). In-line spectral capture and storage results in consistent CRI and CCT across all arrays. 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 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.

ORDERING EXAMPLE:⁽¹⁾ 6DR - TL - L25/9DW - OPTIONS - DIM - UNV - OW - OF - CS - TRIM OPTIONS - N - F1

HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ⁽²⁾	COLOR	OPTIONS	DRIVER ⁽³⁾	VOLTAGE
6DR-TL	L8 800lm	9DW Dim to warm	SCA__ Sloped ceiling adapter ⁽⁴⁾	DIM Dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V
TrimLock	L15 1,500lm	(95 CRI, 1800K – 3000K)	ATH Airtight construction	LUT Lutron Ecosystem enabled	347 347V ⁽⁷⁾
	L25 2,500lm		F Fuse		
			CP Chicago plenum (CCEA) ⁽⁵⁾		
			EM/10W 10-watt emergency battery ⁽⁶⁾		
			EM/10W/ITS 10-watt emergency battery with integral test switch ⁽⁸⁾		
			SDT Stepdown transformer ⁽⁹⁾		
			TC Adjustable mounting arms for 1-1/2" – 2-1/4" thick ceilings		

TRIM

TRIM TYPE	DISTRIBUTION ⁽¹⁰⁾	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange ⁽¹⁵⁾
L Flush lens	65° Open	SF 1/4" mud-in flange ⁽¹⁴⁾	CS Clear semi-specular anodize	MB Regressed lens trim with texture black splay and white flange ⁽¹⁶⁾
R Regressed lens	55° Flush		SG Satin-glow anodize	IP IP65 rated trim ⁽¹⁷⁾
A Angled lens ⁽¹¹⁾	55° Regressed		GD Gold anodize	AD Diffuse acrylic lens ⁽¹⁸⁾
S Non-conductive flush lens for shower applications ⁽¹²⁾	M Medium		CG Champagne gold anodize	WET/CC Wet location, covered ceiling listed ⁽¹⁹⁾
	35° Open		PW Pewter anodize	
	35° Flush		SPC Clear specular anodize	
	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 ⁽¹³⁾		WH White texture powder coat	
			BL Black texture powder coat	

MOUNTING

MOUNTING TYPE ⁽²⁰⁾	MOUNTING HARDWARE ⁽²¹⁾
N Open pan for new construction	F1 2-Position fixed pan bracket, universal bar hanger included
I IC-rated enclosure for new construction ⁽²²⁾	F2 2-Position fixed pan bracket, t-bar bar hanger included
R Remodel kit ⁽²³⁾	BA1 Adjustable butterfly pan bracket, bar hanger not included ⁽²⁴⁾
	BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included ⁽²⁵⁾
	CA1 Adjustable caterpillar pan bracket, universal bar hanger included
	CA2 Adjustable caterpillar pan bracket, t-bar hanger included

NOTES

- Housing, trim, and mounting ship separately.
- Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for ADDITIONAL DRIVER OPTIONS.
- 11-1/2" aperture, specify degrees of slope in 5° increments, 05°-30°, see page 4 for SLOPED CEILING ADAPTOR DETAILS. N Mounting Type only.
- I Mounting Type required.
- N Mounting Type only.
- Not available with EM batteries
- Not available with WET/CC. N Mounting Type and O Trim Type only, requires alternate construction and trim retention, see page 5 for MOUNTING TYPE DETAILS.
- May be required for 347V, see product builder at hew.com
- Beam angle based on CS or WH reflector finish.
- Available with WW Distribution only.
- W Distribution, OF Flange Type, WH Reflector Finish only. Only available with AD diffuse acrylic lens, standard. 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 3 for FLANGE TYPE DETAILS, not available with CP, ATH or IP options.
- O Trim Type and OF Flange Type only. Not available with WH Reflector Finish.
- R Trim Type only.
- L and R trim types only.
- L and R Trim Types only. Wide distribution only.
- WET/CC option reduces lumen output, consult factory.
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- Specify for N and I Mounting Types only, see page 5 for MOUNTING HARDWARE DETAILS.
- L15 lumen package max.
- Also used in new construction sheetrock ceilings.
- N Mounting Type only.
- N Mounting Type only.



6DR dim to WARM 6" Downlight – Round

FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	887	3000K	1800K	14.0	63.3
	M	860			14.0	61.5
	N	823			14.0	58.8
L15	W	1554			23.4	66.5
	M	1508			23.4	64.5
	N	1442			23.4	61.7
L25	W	2469			37.7	65.5
	M	2465			37.7	65.4
	N	2518			37.7	66.8

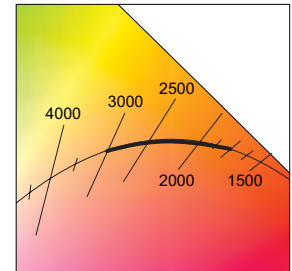
FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	739	3000K	1800K	14.0	52.8
	M	797			14.0	56.9
	N	802			14.0	57.3
L15	W	1296			23.4	55.5
	M	1397			23.4	59.8
	N	1405			23.4	60.1
L25	W	2123			37.7	56.3
	M	2284			37.7	60.6
	N	2302			37.7	61.1

REGRESSED LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	716	3000K	1800K	14.0	51.1
	M	775			14.0	55.4
	N	781			14.0	55.8
L15	W	1254			23.4	53.7
	M	1359			23.4	58.2
	N	1370			23.4	58.6
L25	W	2054			37.7	54.5
	M	2226			37.7	59.1
	N	2243			37.7	59.5

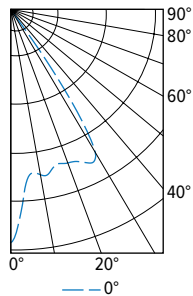
OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79



- 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 table to calculate additional options.

PHOTOMETRY

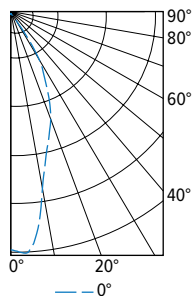
6DR-TL-L25/9DW-DIM-UNV-OW-OF-CS Total Luminaire Output: 2469 lumens; 37.7 Watts | Efficacy: 65.5 lm/W | 95.0 CRI; 3598K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	3006	
	5	2246	214
	15	2092	598
	25	2164	999
	35	755	551
	45	82	66
	55	32	30
	65	9	10
	75	2	2
	85	0	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2361	96
	0 - 60	2457	100
	0 - 90	2469	100
	0 - 180	2469	100

6DR-TL-L25/9DW-DIM-UNV-OM-OF-CS Total Luminaire Output: 2465 lumens; 37.7 Watts | Efficacy: 65.4 lm/W | 95.0 CRI; 3579K CCT



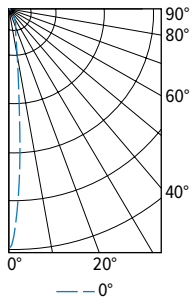
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4988	
	5	4937	430
	15	2890	814
	25	1755	806
	35	492	341
	45	57	51
	55	17	16
	65	5	5
	75	1	2
	85	0	0
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2391	97
	0 - 60	2458	100
	0 - 90	2465	100
	0 - 180	2465	100



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

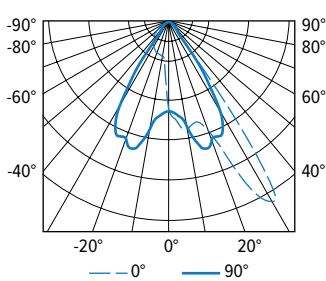
6DR-TL-L25/9DW-DIM-UNV-ON-OF-CS Total Luminaire Output: 2518 lumens; 37.7 Watts | Efficacy: 66.8 lm/W | 95.0 CRI; 3578K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	27346	
	5	12219	934
	15	2526	738
	25	1269	604
	35	301	222
	45	16	13
	55	5	5
	65	1	2
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2498	99
	0 - 60	2516	100
	0 - 90	2518	100
	0 - 180	2518	100

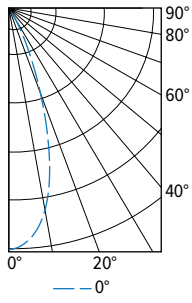
6DR-TL-L25/9DW-DIM-UNV-OWW-OF-CS Total Luminaire Output: 1255 lumens; 37.7 Watts | Efficacy: 33.3 lm/W | 95.0 CRI; 3568K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	960	960	960	960	960	
	5	1085	1048	1000	615	501	82
	15	1108	1084	1402	342	363	232
	25	1929	1149	1306	298	341	423
	35	670	497	466	256	291	262
	45	53	45	109	207	230	98
	55	26	25	67	144	152	74
	65	20	18	40	87	89	50
	75	8	6	19	48	48	27
	85	0	0	3	13	10	7
	90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	999	80
	0 - 60	1170	93
	0 - 90	1255	100
	0 - 180	1255	100

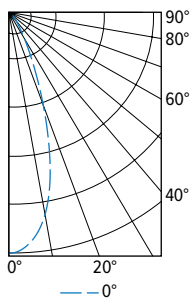
6DR-TL-L25/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2284 lumens; 37.7 Watts | Efficacy: 60.6 lm/W | 95.0 CRI; 3549K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5392	
	5	5181	475
	15	3391	912
	25	1053	502
	35	275	183
	45	111	88
	55	66	59
	65	39	39
	75	20	21
	85	4	5
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2072	91
	0 - 60	2218	97
	0 - 90	2284	100
	0 - 180	2284	100

6DR-TL-L25/9DW-DIM-UNV-RM-OF-WH Total Luminaire Output: 2215 lumens; 37.7 Watts | Efficacy: 58.8 lm/W | 95.0 CRI; 3549K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5361	
	5	5135	470
	15	3318	893
	25	1052	501
	35	279	184
	45	94	76
	55	51	46
	65	28	28
	75	12	13
	85	3	4
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2048	92
	0 - 60	2170	98
	0 - 90	2215	100
	0 - 180	2215	100

TRIMLOCK DETAILS

TWIST



PULL

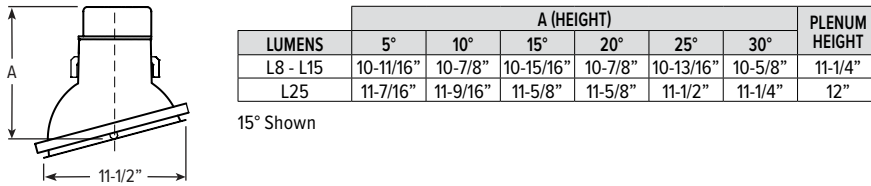


RELEASE

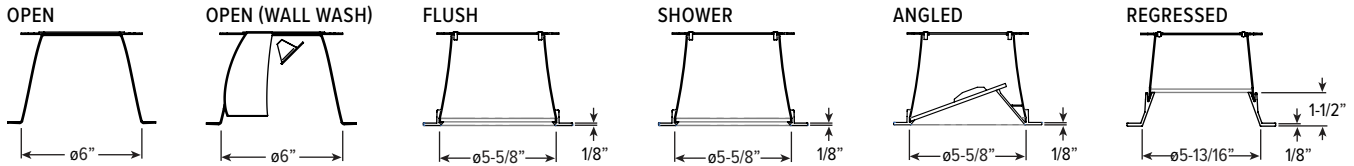


6DR dim to WARM 6" Downlight – Round

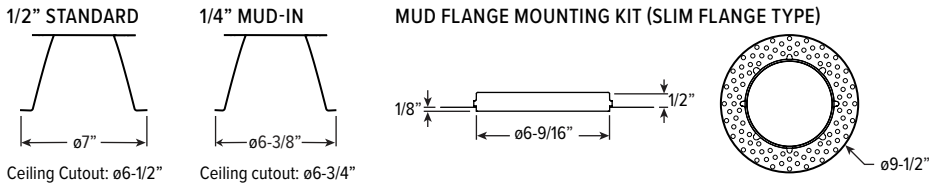
SLOPED CEILING ADAPTOR DETAILS



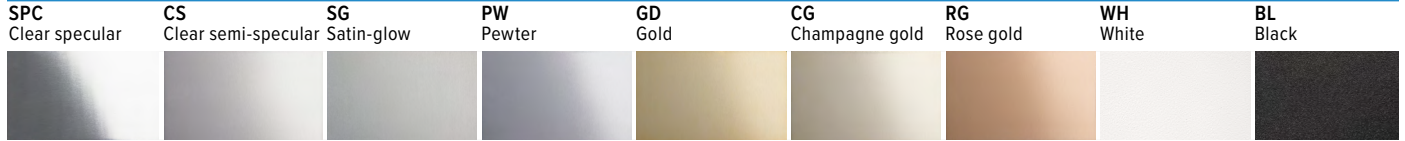
TRIM TYPE DETAILS



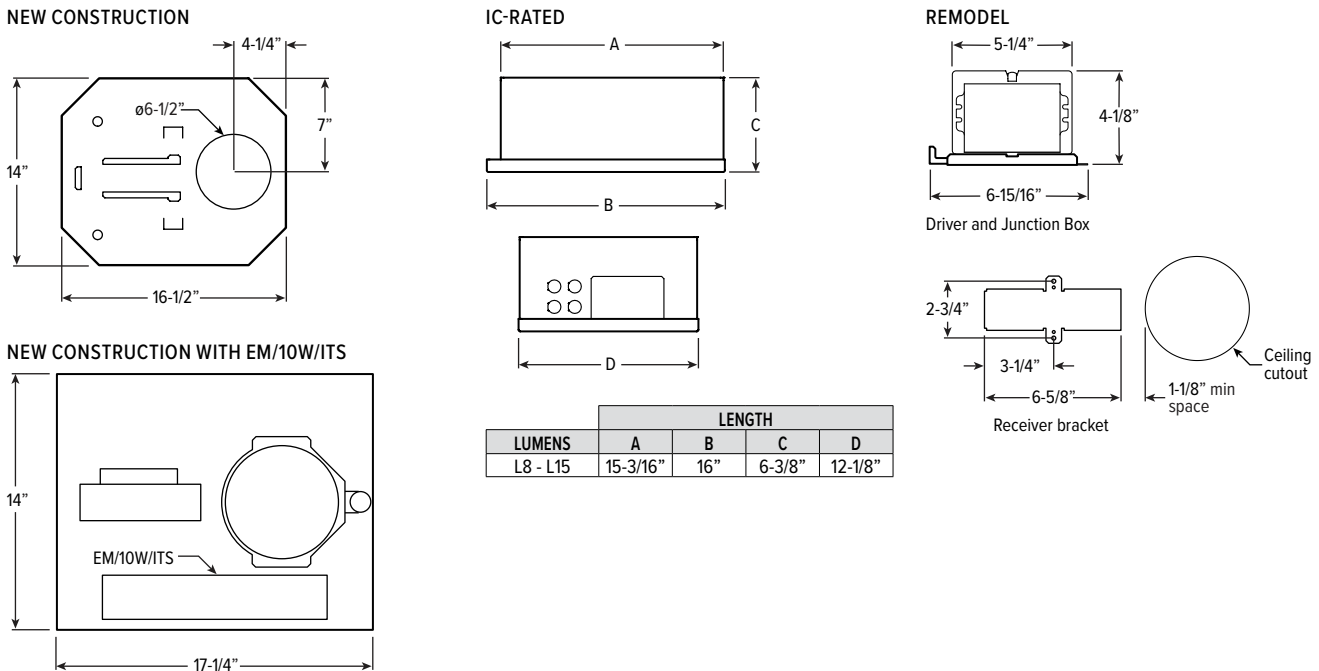
FLANGE TYPE DETAILS



REFLECTOR FINISH DETAILS



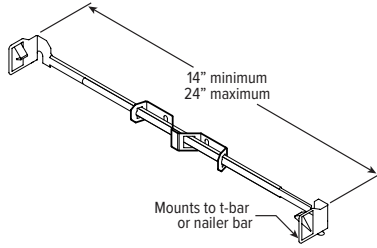
MOUNTING TYPE DETAILS



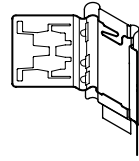
6DR dim to **WARM** 6" Downlight – Round

MOUNTING HARDWARE DETAILS

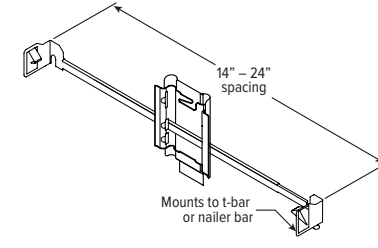
F1 2-Position fixed pan bracket, universal bar hanger included



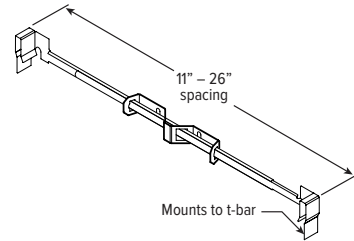
BA1 Adjustable butterfly pan bracket, bar hanger not included



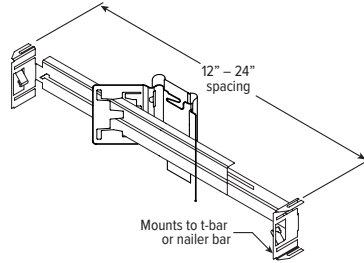
CA1 Adjustable caterpillar pan bracket, universal bar hanger included



F2 2-Position fixed pan bracket, t-bar bar hanger included



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included



CA2 Adjustable caterpillar pan bracket, t-bar hanger included

