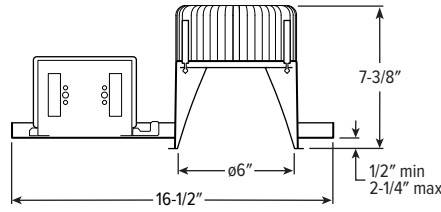
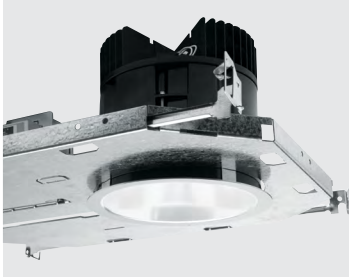


6DR tunable RGBW 6" Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



TrimLock®

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 6DR - TL - L33/RGB940 - OPTIONS - DMX - UNV - FW - OF - CS - TRIM OPTIONS - N - F1
HOUSING TRIM MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR/CRI	CCT	OPTIONS	CONTROL ^[2]	VOLTAGE
6DR - TL TrimLock	L33 3,300lm	RGB9 90	27 2700K	EM/10W 10-watt emergency battery ^[3]	DMX DMX512/RDM	UNV 120-277V
			30 3000K	EM/10W/RTS 10-watt emergency battery with regressed test switch ^[4]		
			35 3500K	EM/10W/IPRTS 10-watt emergency battery with IP65 rated regressed test switch ^[5]		
			40 4000K	ATH Airtight construction		

TRIM ^[6]

TRIM TYPE	DISTRIBUTION ^[7]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
F Open reflector with frosted top diffuser ^[8]	W Wide 70° Open	OF 1/2" standard flange	CS Clear semi-specular powder coat	MWT Smooth matte white trim flange ^[13]
L Flush lens ^[9]	55° Flush	SF 1/4" mud-in flange ^[11]	WH White texture powder coat ^[12]	IP IP65 rated trim ^[14]
R Regressed lens ^[10]	55° Regressed		BL Black texture powder coat	AD Diffuse acrylic lens ^[15]
	M Medium 35° Open			PD Diffuse 1/8" polycarbonate lens ^[16]
	N Narrow 20° Open			WET/CC Wet location, covered ceiling listed
				AM Anti-microbial ^[17]

MOUNTING

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

NOTES

- ¹ Lumen output based on F Trim Type, W Distribution, CS Reflector Finish, 90 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² See page 3 for CONTROL DETAILS.
- ³ Not available with IP or WET/CC Options. Specify CEC in the option code when California Energy Commission regulations are required. White output only in emergency mode.
- ⁴ Not available with IP or WET/CC Options. Specify CEC in the option code when California Energy Commission regulations are required. White output only in emergency mode.
- ⁵ Must specify IP or WET/CC Trim Options. Specify CEC in the option code when California Energy Commission regulations are required. White output only in emergency mode.
- ⁶ Trim ships separately.
- ⁷ Beam angle based on CS or WH Reflector Finish.
- ⁸ WET/CC standard unless ordered with EM/RTS.
- ⁹ W Distribution only.
- ¹⁰ W Distribution only.
- ¹¹ For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for FLANGE TYPE DETAILS. Not available with ATH or IP Options.
- ¹² W Distribution only.
- ¹³ Not available with WH Reflector Finish or L Trim Type.
- ¹⁴ L and R Trim Types only.
- ¹⁵ L and R Trim Types only. W Distribution only.
- ¹⁶ L and R Trim Types only. W Distribution only.
- ¹⁷ WH and BL Reflector Finishes only.
- ¹⁸ Mounting Hardware required for N Mounting Type, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹⁹ Additional Mounting Hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- ²⁰ Also used in new construction sheetrock ceilings. Pan-less installation.
- ²¹ N Mounting Type only.
- ²² N Mounting Type only.
- ²³ N Mounting Type only.

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

FEATURES

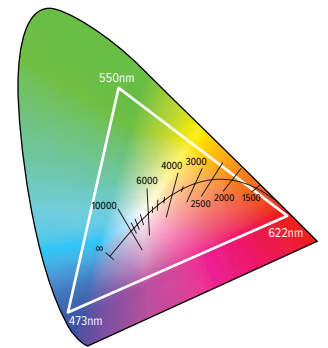
- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Create rich, vibrant designs with lasting visual impact using the full visible light spectrum
- Beam angles ranging from 20° narrow to 70° wide for tailored performance
- New construction mounting pan or pan-less remodel kit available
- Fully room-side accessible
- 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
- 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 with top diffuser. Clear semi-specular finish standard.
- **LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- **ELECTRICAL** – High-performance Class 2 CSP RGBW LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>60,000 hours (all colors). Reported L90: Red: >23,000 hours, Green: >44,000 hours, Blue: >60,000 hours, White: >48,000 hours
- **CONTROL** – DMX enabled; controllers provided by others.
- **MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction. Remodel kit option includes receiver bracket hardware. Minimum 24" O.C. marked spacing required.
- **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.
 - 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

		F TRIM TYPE (CS REFLECTOR FINISH)									
		WHITE LED ONLY			RED ONLY		GREEN ONLY		BLUE ONLY		
	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS	
L33	W	55.4	3262	59	17.8	176	14.4	772	18.3	332	
	M	55.4	3358	61	17.8	181	14.4	794	18.3	342	
	N	55.4	3377	61	17.8	188	14.4	822	18.3	354	



MULTIPLIER TABLES

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.92
3000K	0.94
3500K	0.96
4000K	1.00

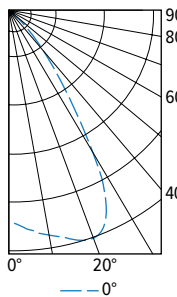
		REFLECTOR FINISH	
		CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS		1.00
	WH ⁽¹⁾		0.89
	BL ⁽¹⁾		0.47
R TRIM	WH		1.00
	CS		0.98
	BL		0.79

		TRIM OPTIONS	
		CATALOG NUMBER	CONVERSION FACTOR
	F		1.00
	L		0.85
	R		0.80
	AD		0.99
	PD		0.99

- Distribution will also be affected, consult factory.
 - Photometrics tested in accordance with IESNA LM-79. Results based on F Trim Type, W Distribution, CS Reflector Finish, 90 CRI/4000K CCT, 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.

PHOTOMETRY

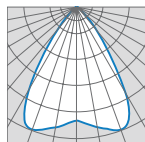
6DR-TL-L33/RGB940-DMX-UNV-FW-OF-CS (White Only) Total Luminaire Output: 3262 lumens; 55.4 Watts | Efficacy: 59 lm/W | 90 CRI; 4000K CCT



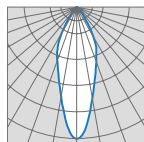
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2402	
	5	2490	241
	15	2678	763
	25	2617	1164
	35	1148	742
	45	350	280
	55	46	60
	65	8	9
	75	2	2
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2910	89
	0 - 60	3250	100
	0 - 90	3262	100
	0-180	3262	100

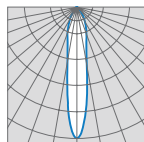
OPEN (F)



70° Wide

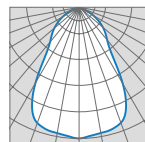


35° Medium



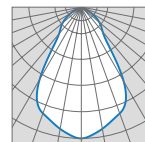
20° Narrow

FLUSH (L)



55° Wide

REGRESSED (R)

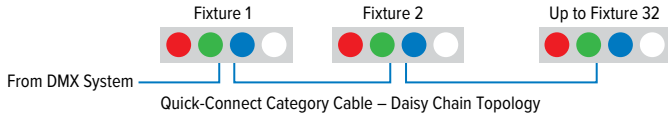


55° Wide



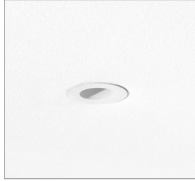
6DR tunable **RGBW** 6" Downlight – Round

CONTROL DETAILS



Note: Fixtures ship with DMX starting address of 1. (Red: 1, Green: 2, Blue: 3, White: 4). Terminator resistor (by others) is recommended at the end of each DMX run.

EMERGENCY BATTERY DETAILS

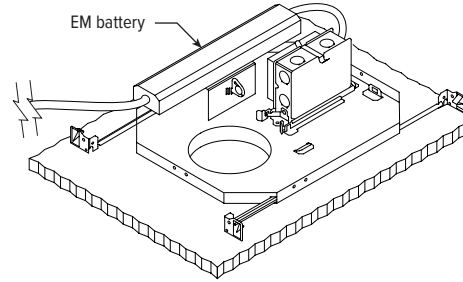
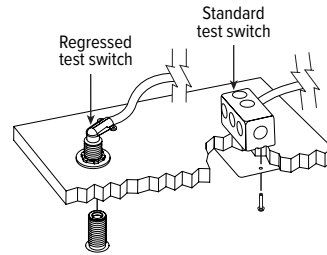


Regressed test switch
ø1-3/4"



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

Max remote distance is 50', connection by others.



APERTURE ADAPTOR ORDERING INFO

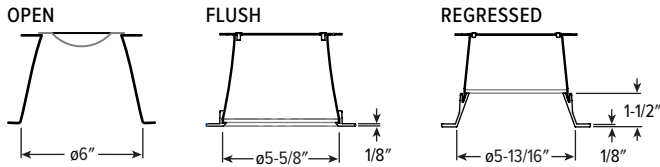
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT			
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR 6AR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575	CS Clear semi-specular powder coat
4DR 6DR			WH White texture powder coat
4DS 6DS			BL Black texture powder coat
4PR 6PR			
4PS 6PS			
8DR			

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

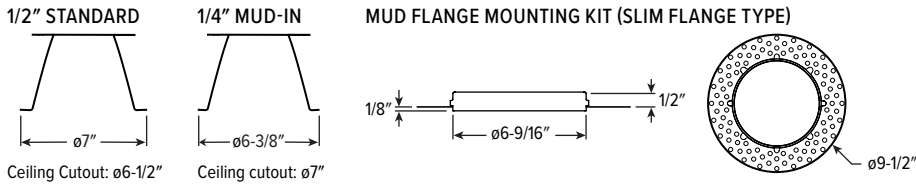
Additional finishes available, consult factory.

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

TRIM TYPE DETAILS



FLANGE TYPE DETAILS

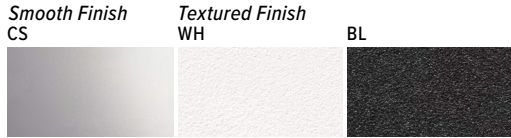


6DR tunable **RGBW** 6" Downlight – Round

TRIMLOCK DETAILS

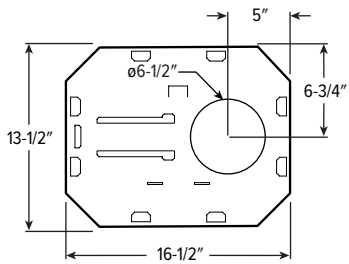


REFLECTOR FINISH DETAILS

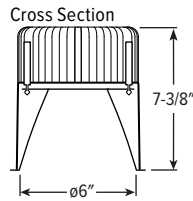


MOUNTING TYPE DETAILS

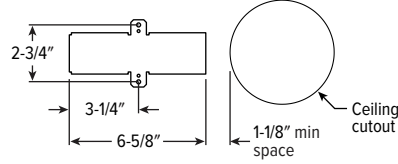
NEW CONSTRUCTION



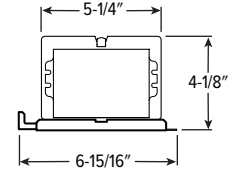
REMODEL



Receiver Bracket

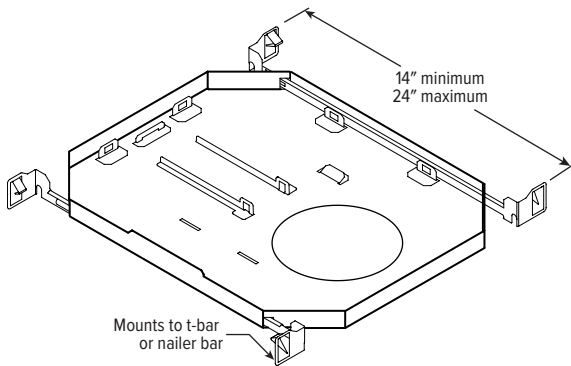


Driver and Junction Box

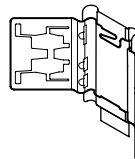


MOUNTING HARDWARE DETAILS

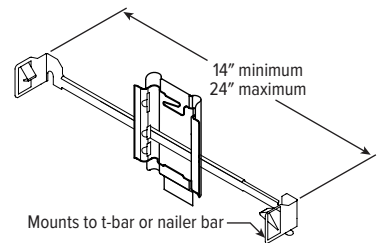
F1 Integral 2-position fixed pan bracket, universal bar hanger included



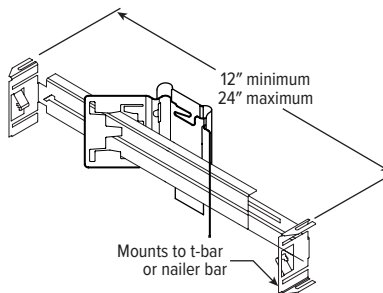
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

