

CATALOG #: _ PROJECT:









NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: ,4DR - TL - L31/RGB940 - OPTIONS - DMX - UNV,-,FW - OF - CS - TRIM OPTIONS,-— HOUSING —

HOUSING

SERIES	LUMENS [1]	COLOR/CRI	ССТ	OPTIONS		CONTROL [2]	VOLTAGE
4DR - TL	L31 3,100lm	RGB9 90	27 2700K	EM/10W	10-watt emergency battery [3]	DMX DMX512/RDM	UNV 120-277V
TrimLock			30 3000K	EM/10W/RTS			
			35 3500K		regressed test switch [4]		
			40 4000K	EM/10W/IPRTS	\$ 10-watt emergency battery with		
					IP65 rated regressed test switch [5]		
				ATH	Airtight construction		

TRIM [6] TRIM TYPE

• •	I I I L
F	Open reflector with frosted top diffuser [8

L Flush lens [9]

R Regressed lens [10]

DISTRIBUTION [7]

W Wide 60° Open 50° Flush

50° Regressed Medium 50° Open

Narrow 25° Open

FLANGE TYPE OF 1/2" standard flange SF 1/4" mud-in flange [11]

REFLECTOR FINISH

CS Clear semi-specular powder coat WH White texture powder coat [12]

BL Black texture powder coat

TRIM OPTIONS

Smooth matte white trim flange $^{[13]}$ MWT IP65 rated trim [14] Diffuse acrylic lens [15] ΑD

PD Diffuse 1/8" polycarbonate lens [16] WET/CC Wet location, covered ceiling listed AM Anti-microbial [17]

MOUNTING

MOUNTING TYPE [18]

N Open pan for new construction R Remodel kit [20]

MOUNTING HARDWARE [19]

F1 Integral 2-position fixed pan bracket, universal bar hanger included [21]

BA1 Adjustable butterfly pan bracket, bar hanger not included [22]

CA1 Adjustable caterpillar pan bracket, universal bar hanger included [23]

NOTES

- 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.
 See page 3 for CONTROL DETAILS.

- See page 3 for CONTROL DETAILS.

 Not available with IP Option. Specify CEC in the option code when California Energy Commission regulations are required. White output only in emergency mode.

 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.
 Must specify IP Trim Option. Specify CEC in the option code when California Energy Commission regulations are required. White output only in emergency mode.
- Trim ships separately.
- Beam angle based on CS or WH Reflector Finish. WET/CC standard unless ordered with EM/RTS.
- W Distribution only.

- W Distribution only.
 W Distribution 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 ATH or IP Options.
 W Distribution only.
 Not available with WH Reflector Finish or L Trim Type.
 Load D Trim Types only.

- Not available with win Reflector Final 14
 L and R Trim Types only.
 L and R Trim Types only. W Distribution only.
 L and R Trim Types only. W Distribution only.
 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.

 Additional Mounting Hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- Also used in new construction sheetrock ceilings. Pan-less installation.
- 1 N Mounting Type only.
 N Mounting Type only.
 N Mounting Type only.
 N Mounting Type only.



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
- 4 inch aperture is unobtrusive in small scale spaces
- Beam angles ranging from 25° narrow to 60° 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 microprismatic, 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 GRE		EN ONLY	BLUE ONLY	
	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS
	W	55.4	3098	56	17.9	206	14.4	1090	18.2	327
5	М	55.4	3219	58	17.9	214	14.4	1132	18.2	340
	N	55.4	2907	53	17.9	201	14.4	1063	18.2	319

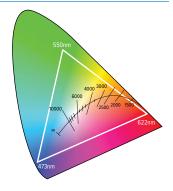
MULTIPLIER TABLES

COLOR TEMPERATURE				
CONVERSION FACTOR				
0.92				
0.94				
0.96				
1.00				

		REFLECTOR FINISH				
		CATALOG NUMBER	CONVERSIO FACTOR			
	F TRIM	CS	1.00			
		WH ^[1]	0.89			
		BL ^[1]	0.47			
	R TRIM	WH	1.00			
		CS	0.98			
		BL	0.79			

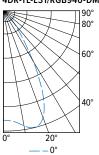
	TRIM OPTIONS				
	CATALOG NUMBER	CONVERSION FACTOR			
	F	1.00			
	L	0.76			
	R	0.74			
	AD	0.94			
	PD	0.94			

- 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

4DR-TL-L31/RGB940-DMX-UNV-FW-OF-CS (White Only) Total Luminaire Output: 3098 lumens; 55.4 Watts | Efficacy: 56 lm/W | 90 CRI; 4000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS	
	VERTICAL ANGLE	0°	ZUNAL LUMENS	
징	0	2942		
5	5	2993	291	
	15	3248	906	
S	25	2499	1107	
8	35	864	563	
CANDLEPOWER DISTRIBUTION	45	250	196	
	55	23	28	
릴	65	6	6	
[5	75	1	1	
	85	0	0	
	90	0		

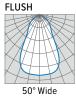
MARY	ZONE	LUMENS	% FIXTURE
≥	0 - 40	2866	93
LUMEN SUMMARY	0 - 60	3090	100
	0 - 90	3098	100
=	0-180	3098	100

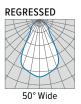
OPEN





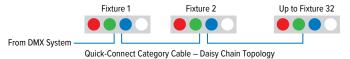








CONTROL DETAILS



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.

See DMX/RDM System Overview for details: hew.com/dmx-rdm

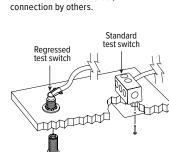
EMERGENCY BATTERY DETAILS



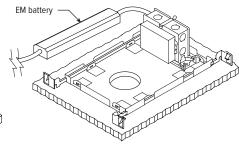
Regressed test switch ø1-3/4"



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



Max remote distance is 50',



APERTURE ADAPTOR ORDERING INFO

	ORDERING EXAMPLE: 4DR - GR - 0575 - WHT							
SERIES		CATALOG NUMBER	CEILING CUTOUT	FINISH				
4AR 4DR 4DS 4PR 4PS	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 WH BL	Clear semi-specular powder coat White texture powder coat Black texture powder coat			

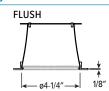
Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.

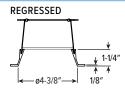
Additional finishes available, consult factory.

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

TRIM TYPE DETAILS







FLANGE TYPE DETAILS

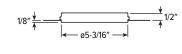


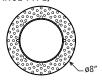
Ceiling Cutout: ø5"

1/4" MUD-IN ø5′

Ceiling cutout: ø5-1/2"

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)





TRIMLOCK DETAILS

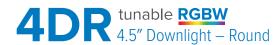
TWIST







RELEASE



REFLECTOR FINISH DETAILS

Smooth Finish CS

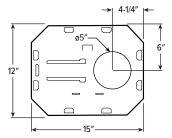
Textured Finish WH

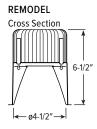


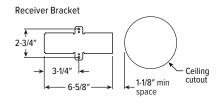


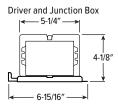
MOUNTING TYPE DETAILS

NEW CONSTRUCTION



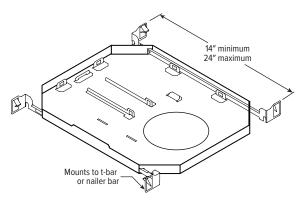






MOUNTING HARDWARE DETAILS

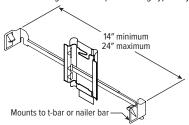
Integral 2-position fixed pan bracket, universal bar hanger included



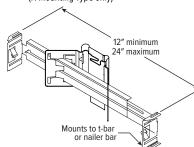
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

