

CATALOG #: \_ PROJECT:









### **NEW CONSTRUCTION AND REMODEL**

ORDERING EXAMPLE: GDR - TL - L33/RGB940 - OPTIONS - DMX - UNV - FW - OF - CS - TRIM OPTIONS - F1 HOUSING -TRIM

### **HOUSING**

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

### TRIM [6]

### **TRIM TYPE**

F Open reflector with frosted top diffuser [8]

L Flush lens [9] R Regressed lens [10] DISTRIBUTION [7]

W Wide 70° Open

55° Flush 55° Regressed Medium 35° Open

Narrow 20° Open

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

**FLANGE TYPE** 

# REFLECTOR FINISH

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

#### BL Black texture powder coat

### **TRIM OPTIONS**

MWT Smooth matte white trim flange [13] IP65 rated trim [14] ΙP Diffuse acrylic lens [15] ΑD

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

# **MOUNTING**

### MOUNTING TYPE [18]

# MOUNTING HARDWARE [19]

 ${\bf N}$  Open pan for new construction R Remodel kit [20]

Integral 2-position fixed pan bracket, universal bar hanger included [21] BA1 Adjustable butterfly pan bracket, bar hanger not included [22]

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. 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.
- 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
- 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.

   Whistribution only.

   Not available with WH Reflector Finish or L Trim Type.
   Land R Trim Types only.
   Land R Trim Types only. W Distribution only.
   Land R Trim Types only. W Distribution only.

- WH and BL Reflector Finishes only.
   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.
- <sup>20</sup> Also used in new construction sheetrock ceilings. Pan-less installation.
- 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
- Beam angles ranging from 20° narrow to 70° wide for tailored performance
- New construction mounting pan or pan-less remodel kit
- 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
- 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	D ONLY RED ONLY		D ONLY	GREEN ONLY		BLUE ONLY	
	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (Im/W)	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS	WATTAGE	MAX COLOR LUMENS
	W	55.4	3262	59	17.8	176	14.4	772	18.3	332
133	М	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

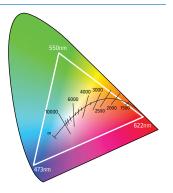
### **MULTIPLIER TABLES**

COLOR TEMPERATURE			
CONVERSION FACTOR			
0.92			
0.94			
0.96			
1.00			

	REFLECTOR FINISH			
	CATALOG NUMBER	CONVERSION FACTOR		
Σ	CS	1.00		
O TRIM	WH <sup>[1]</sup>	0.89		
0	BL <sup>[1]</sup>	0.47		
Σ	WH	1.00		
R TRIM	CS	0.98		
~	BL	0.79		

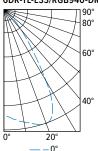
TRIM OPTIONS					
CATALOG NUMBER	CONVERSION FACTOR				
F	1.00				
L	0.85				
R	0.80				
AD	0.99				
PD	0.99				

- 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



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS	
	VERTICAL ANGLE	<b>0</b> °		
8	0	2402		
5	5	2490	241	
CANDLEPOWER DISTRIBUTION	15	2678	763	
三	25	2617	1164	
<u>~</u>	35	1148	742	
	45	350	280	
<u>~</u>	55	46	60	
틸	65	8	9	
동	75	2	2	
	85	0	0	
	90	0		

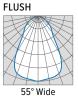
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
⋚	0 - 40	2910	89
S	0 - 60	3250	100
¥	0 - 90	3262	100
=	0-180	3262	100

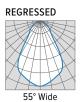
## OPEN







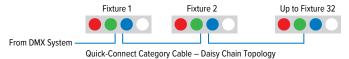




35° Medium



### **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

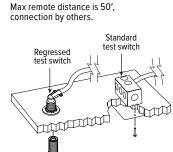
# **EMERGENCY BATTERY DETAILS**

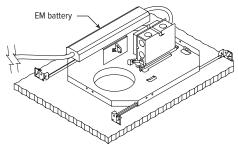


Regressed test switch ø1-3/4"



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





### 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		

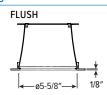
Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.

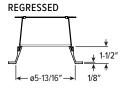
Additional finishes available, consult factory.

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

# TRIM TYPE DETAILS







## **FLANGE TYPE DETAILS**

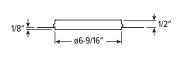


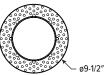
Ceiling Cutout: ø6-1/2"



Ceiling cutout: ø7"

# MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)







### TRIMLOCK DETAILS



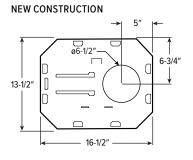




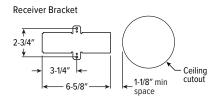
### **REFLECTOR FINISH DETAILS**

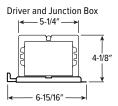


# **MOUNTING TYPE DETAILS**



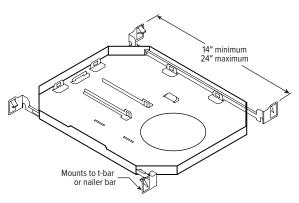






### MOUNTING HARDWARE DETAILS

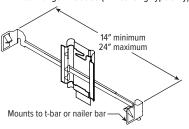
Integral 2-position fixed pan bracket, universal bar hanger included



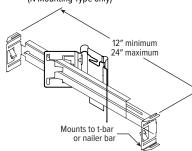
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

