

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- Ribbed acrylic diffuser (standard) shields LEDs from direct view.
- Power and light levels can be custom set to meet energy and design needs.
- Surface mount fixture provides low-profile appearance
- Choice of six diffuser styles give designers a variety of looks
- Maximize energy savings with efficacies up to 130 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge die-formed C.R.S.
- REFLECTOR – Precision-formed C.R.S. with highly reflective non-glare matte white polyester powder coat.
- SHIELDING – Ribbed acrylic standard.
- FINISH – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High quality mid-power LED boards. Rated for 50,000 hours at 70% lumen maintenance (L70).
- MOUNTING – Surface or suspended with stem and canopy.
- LISTINGS –
 - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: DIS - 2 4 - L98/835 - AD - OPTIONS - DIM - UNV

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING ^[2]		
DIS	2 2'	2 2'	2x2	8 80	27 2700K	AD	Ribbed acrylic ^[4]	
			L24 2,400lm		9 90 ^[3]	30 3000K	WPR	White perforated round
			L32 3,200lm		35 3500K	WPRL	White perforated with round louver	
		4 4'	L48 4,800lm	40 4000K	WPASL	White perforated with aluminum solid louver		
			2x4	L50 5,000lm	50 5000K	WPR/SPLIT	White perforated round with split	
				L64 6,400lm	WPR/ACRY/CTR/CLR	White perforated round with center clear acrylic ^[5]		
		L88 8,800lm						
		L98 9,800lm						

OPTIONS ^[6]

EM/10W (L__) 10-watt emergency battery Additional lower lumen packages available Example: 7,000 lumens = DIS-24-L88/850-(L70) ^[8]

CONTROL ^[7]

DIM Dimming driver
DRV Non-dimming driver

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V ^[9]

NOTES

- ¹ Lumen output based on 3500K/80CRI and AD shielding. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- ² See page 3 for SHIELDING DETAILS.
- ³ Extended lead times may apply. Consult factory for availability.
- ⁴ Standard.
- ⁵ Consult factory for additional colors.
- ⁶ See page 3 for FINISH OPTIONS. Suspended mounting available. See page 3 for SUSPENDED MOUNTING DETAILS.
- ⁷ See page 2 for ADDITIONAL CONTROL OPTIONS.
- ⁸ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁹ Not available with EM batteries.



FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L24	22	109.5
			112.9
			115.6
			119.0
	L32	30	106.8
			110.1
			113.1
			116.7
	L48	40	117.9
			121.6
			124.0
			130.2
2x4	L50	51	99.2
			102.2
			104.9
			109.7
	L64	56	111.6
			115.1
			118.2
			123.6
	L88	73	117.3
			121.5
			123.9
			128.2
L98	84	114.1	
		117.9	
		121.0	
		124.6	

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
	80 CRI	
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI		
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

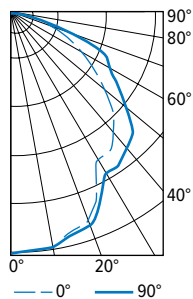
SHIELDING MULTIPLIERS	
LENS	CONVERSION FACTOR
AD	1.00
WPR	0.78
WPRL	0.85
WPASL	0.83
WPR/SPLIT	0.75
WPR/ACRY	0.76

Note: Shielding multipliers also apply to (L__ option).

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K 80 CRI and AD Shielding, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

DIS-S24-L98/835-AD Report #: 19231.0; 02/26/16 | Total Luminaire Output: 9796 lumens; 85.7 Watts | Efficacy: 114.4 lm/W | 84.7 CRI; 3531K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3546	3546	3546	
5	3504	3503	3505	334
15	3334	3358	3378	952
25	2941	3008	3062	1391
35	2502	2639	2739	1653
45	2131	2359	2501	1811
55	1502	1758	1917	1557
65	997	1294	1549	1277
75	500	679	611	649
85	141	156	171	173
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2676	27
	0 - 40	4329	44
	0 - 60	7697	79
	0 - 90	9796	100
	0 - 180	9796	100

ADDITIONAL CONTROL OPTIONS

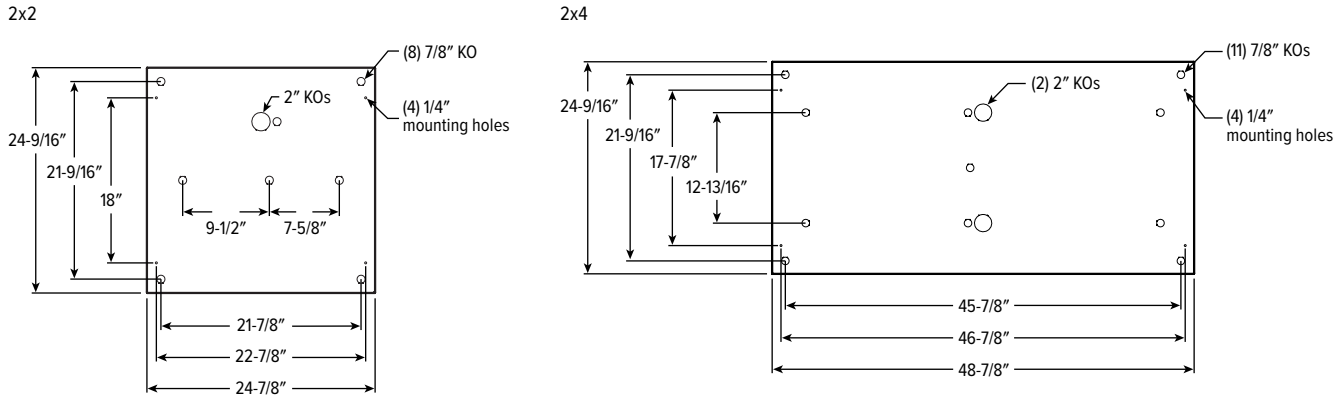
Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

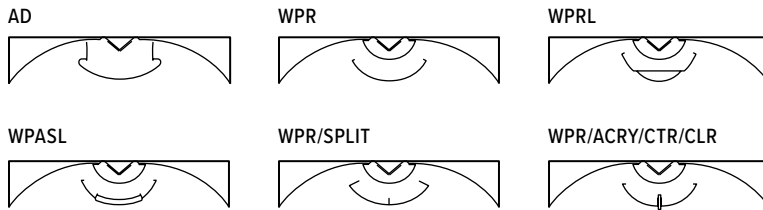


FIXTURE DETAILS

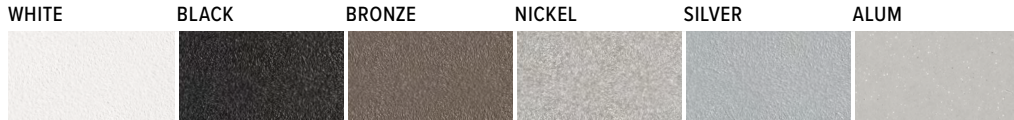
BACKVIEW



SHIELDING DETAILS



FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

SUSPENDED MOUNTING DETAILS

AIRCRAFT CABLE

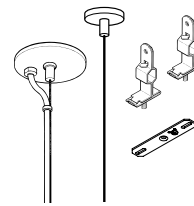
ORDERING EXAMPLE: ACF*4P/D48			
PREFIX	TYPE	LENGTH	
ACF*4P	Four point mount adjustable aircraft cable	D 1" grid & hardpan	24 24"
		N 9/16" grid	48 48"
		S Slot grid	96 96"
			144 144"
			192 192"
		240 240"	
		300 300"	

CORD OPTIONS

Must specify cord when cable mounting. Consult factory for additional options.

ORDERING EXAMPLE: S4838/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24 24"	3 3	4 No. 14 AWG	/W White
	48 48"	4 4	8 No. 18 AWG	/B Black
	96 96"	5 5		
		6 6		

STANDARD HARDWARE (Grid & Hardpan)



- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- One 5" canopy used at power feed location to cover the junction box. Three other suspension points use 2" canopy at the non-feed point. No J-box is required at non-feed points.

