

CATALOG #:		
TYPE:		
PROJECT:		

VOLTAGE

UNV 120-277V

NEW CONSTRUCTION AND REMODEL

ORDERING EXAMPLE: 4DS - L20/8TW - OPTIONS - DIM - UNV LW - OF - WH - TRIM OPTIONS — HOUSING MOUNT.



HOUSING

SERIES LUMENS [1] 4DS **L11** 1,100lm **L20** 2,000lm

DISTRIBUTION [6]

55° Open

60° Flush

Medium

45° Open

35° Flush

25° Flush

WW Wall wash [8]

Narrow 40° Open

60° Regressed

35° Regressed

25° Regressed

Wide

8TW Tunable white (80 CRI, 2700K- 5000K)

OPTIONS

See page 3 for EMERGENCY BATTERY OPTIONS.

ATH Airtight construction [2] Chicago plenum (CCEA) [3] Fuse kit

CONTROL

See page 5 for CONTROL DETAILS.

DALI Driver prewired for DALI applications DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications

PSQ Lutron T-Series 2-channel tunable white 1%. [4]

TRIM [5]

TRIM TYPE L Flush lens O Open reflector R Regressed lens A Angled lens [7]

FLANGE TYPE

OF 1/2" standard flange SF 1/4" mud-in flange [9]

REFLECTOR FINISH Open trim types

Clear semi-specular CS anodize

Satin-glow anodize GD Gold anodize

CG Champagne gold anodize PW Pewter anodize SPC Clear specular anodize

Rose gold anodize RG

Lens trim types

Clear semi-specular CS powder coat WH

White texture powder coat Black texture powder coat BL Black texture splay with white flange [10]

TRIM OPTIONS

MWT Textured white trim flange [11] IP65 rated trim [12] IΡ Diffuse acrylic lens [13] ΑD PD

Diffuse 1/8" polycarbonate lens [14] WET/CC Wet location, covered ceiling listed [15] AM

Anti-microbial [16]

MOUNTING

MOUNTING TYPE [17]

N Open pan for new construction

I IC-rated enclosure for new construction [19]

R Remodel kit [20]

MOUNTING HARDWARE [18]

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

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

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

NOTES

- Lumen output based on L trim type, M distribution and WH finish, 4000K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Not available with EM batteries.

- Not available with EM Batteries.

 I Mounting Type required.

 Not available with I Mounting Type.

 Trim ships separately.

 Beam angle based on CS or WH reflector finish.

 Available with WW distribution only.

 O and A Trim Types only.

- For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 4 for FLANGE TYPE DETAILS. Not available with ATH or IP
- R Trim Type only. Not available with MWT.
- Not available with WH Reflector Finish or L Trim Type.
- L and R trim types only.

 Not available with 0 trim type. W and WW distributions
- Not available with O trim type. W and WW distributions only.
- 15 Not available with O Trim Type. Not available with PD trim option.
 WH and BL Reflector Finishes only.
- Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- Not available with EM batteries.
 Also used in new construction sheetrock ceilings. Pan-less installation.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Beam angles ranging from 25° narrow to 60° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Square shape accentuates architectural styles
- New construction mounting pan, IC-rated, or pan-less remodel kit available
- Open reflector with 7 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
- Spring clip retention system eliminates trim sag
- Fully room-side accessible

SPECIFICATIONS

- $\label{eq:housing-decomposition} \mbox{HOUSING--Die-cast aluminum trim housing with forged}$ 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''.
- OPEN REFLECTOR Low-iridescent anodized aluminum with top diffuser.
- LENSED TRIM Die-cast aluminum frame with microprismatic, acrylic lens.
- ELECTRICAL High-performance Class 2 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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 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.
- 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.

0.89

0.79

- Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY 5-year limited warranty, see hew.com/warranty

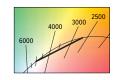
FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	965	14.6	66
L11	М	1065	14.6	73
	N	1088	14.6	75
	W	1680	24.0	70
L20	М	1853	24.0	77
	N	1782	24.0	74

FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
	W	1045	14.6	72
L11	M	1152	14.6	79
	N	1165	14.6	80
	W	1820	24.0	76
L20	M	1973	24.0	82
	N	1908	24.0	80



REGRESSED LENS TRIM TYPE

REGRESSED LENS TRIMITIFE							
LED PACKAGE DISTRIBUTION		DELIVERED WATTAGE		EFFICACY (Im/W)			
	W	1004	14.6	69			
L11	M	1132	14.6	78			
	N	1152	14.6	79			
	W	1749	24.0	73			
L20	M	1945	24.0	81			
	N	1887	24.0	79			

MULTIPLIER TABLES

COLOR TEMPERATURE			OPEN REFLECTOR FINISH		
ССТ	LUMENS	WATTS	CATALOG NUMBER		
2700K	0.83	1.03	CS	Clear semi-specular	1.00
3000K	1.00	1.00	SG	Satin-glow	0.92
3500K	0.99	0.99	GD	Gold	0.93
4000K	1.00	1.00	CG	Champagne Gold	0.96
5000K	0.98	1.03	PW Pewter 0.86		0.86
			SPC	Specular	1.02
ased on 25°C ambient			RG	Rose Gold	0.88

WH

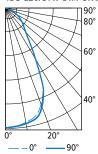
BL

TRIM					
CATALOG NUMBER	CONVERSION FACTOR				
AD	0.85				
PD	0.85				

- Photometrics tested in accordance with IESNA LM-79. Results shown are based
- Wattage shown is based on 120V input.
- Results based on 4000K, 80 CRI, actual lumens 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

4DS-L20/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1820 lumens; 24 Watts | Efficacy: 75.8 lm/W | 80 CRI; 4000K CCT



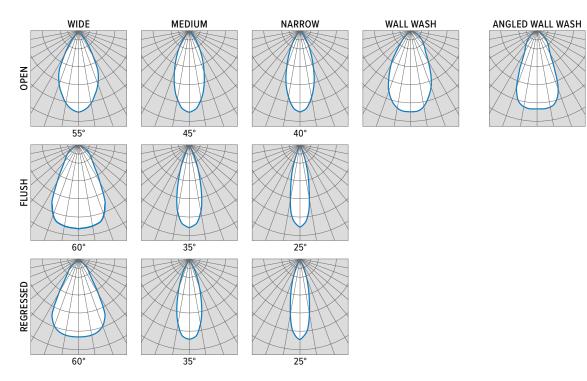
	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	ZUNAL LUMENS
8	0	1354	1354	1354	
5	5	1341	1341	1342	127
CANDLEPOWER DISTRIBUTION	15	1265	1283	1291	359
S	25	982	1111	985	467
2	35	444	676	436	343
<u>S</u>	45	281	305	279	229
Œ,	55	170	175	169	157
ᅙ	65	90	87	88	90
ਠ	75	37	36	37	40
	85	4	4	5	8
	90	0	0	0	

SUMMARY	ZONE	LUMENS	% FIXTURE
I	0 - 30	954	52
∣≅	0 - 40	1296	71
LUMEN	0 - 60	1682	92
1	0 - 90	1820	100
	0 - 180	1820	100

White, textured

Black, textured





EMERGENCY BATTERY OPTIONS

Additional limitations apply, see page 1. Specify CEC in the option code when California Energy Commission regulations are required.

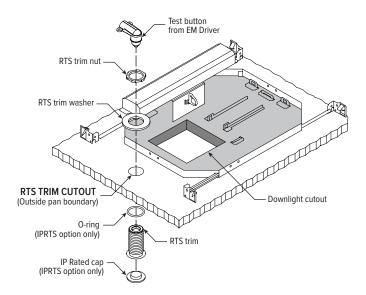
CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery ¹
EM/7W/RTS	7-watt emergency battery with regressed test switch ²
EM/7W/IPRTS	7-watt emergency battery with IP65 rated regressed test switch
EM/10W	10-watt emergency battery ¹
EM/10W/RTS	10-watt emergency battery with regressed test switch ²
EM/10W/IPRTS	10-watt emergency battery with IP65 rated regressed test switch

Not available with IP Option. Not available with IP or WET/CC Options.

REGRESSED TEST SWITCH DETAILS



Shown Installed

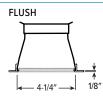


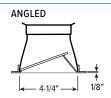


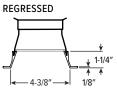
TRIM TYPE DETAILS



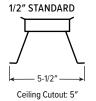






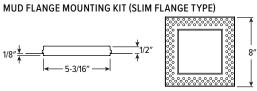


FLANGE TYPE DETAILS





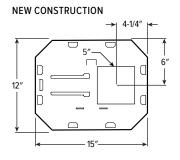


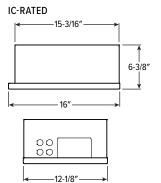


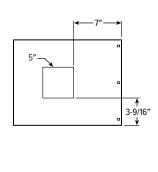
REFLECTOR FINISH DETAILS

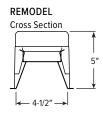


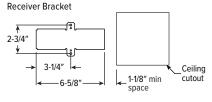
MOUNTING TYPE DETAILS

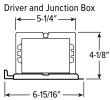














APERTURE ADAPTOR ORDERING INFO

	ORDERING EXAMPLE: 4DR - GR - 0575 - WHT						
SEF	RIES	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		

For use with remodel downlights. Additional finishes available, consult factory. For limitations and instructions, see hew.com/aperture-adaptor.pdf

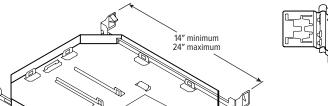
CONTROL DETAILS

DIM	DALI	DMX	LUTRON T-SERIES
DIM (Int) + DIM (CCT) + Fixture 1 DIM	DALI + Fixture 1	RJ45 Ports Fixture (Master)	T1 Fixture 1

MOUNTING HARDWARE DETAILS

Mounts to t-bar or nailer bar

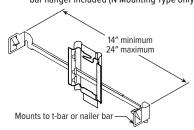
Integral 2-position fixed pan bracket, universal bar hanger included



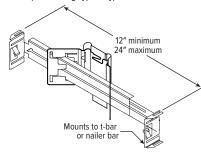
Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



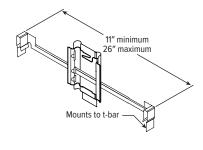
Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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)



F1 with I Mounting Type

14" minimum 24" maximum 000

Mounts to t-bar or nailer bar