











# **NEW CONSTRUCTION AND REMODEL**

ORDERING EXAMPLE: 6DS - L21/9DW - OPTIONS - DIM1 - UNV 1-1 LW - OF - WH - TRIM OPTIONS 1-1 N - F1 MOUNT. - HOUSING -— TRIM –

#### HOUSING

1100011					
SERIES	LUMENS [1]	COLOR	OPTIONS	CONTROL	VOLTAGE
6DS	<b>L7</b> 700lm <b>L13</b> 1.300lm	9DW Dim to warm (95 CRI, 1800K - 3000K)	See page 3 for EMERGENCY BATTERY OPTIONS.	<b>DIM1</b> 1% dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V 347 347V [5]
	<b>L21</b> 2,100lm		See page 3 for APERTURE ADAPTOR ORDERING INFO.	LUT Lutron Ecosystem enabled [4]	
			ATH Airtight construction CP Chicago plenum (CCEA) [2] F Fuse kit		
			SDT Stepdown transformer [3]		

		CZ. Gropa			
TRIM [6]					
TRIM TYPE	DISTRIBUTION	FLANGE TYPE	REFLECTOR FINISH	TRIM O	PTIONS
O Open reflector L Flush lens R Regressed lens A Angled lens [7]	See page 2 for BEAM ANGLE. W Wide M Medium N Narrow WW Wall wash [8]	OF 1/2" standard flange SF 1/4" mud-in flange <sup>[9]</sup>	Open trim types CS Clear semi-specular anodize SG Satin-glow anodize GD Gold anodize CG Champagne gold anodize PW Pewter anodize SPC Clear specular anodize RG Rose gold anodize	MWT IP AD PD WET/CC AM	Smooth matte white trim flange [11] IP65 rated trim [12] Diffuse acrylic lens [13] Diffuse 1/8" polycarbonate lens [14] Wet location, covered ceiling listed [15] Anti-microbial [16]
			CS Clear semi-specular powder coat WH White texture powder coat BL Black texture powder coat MB Black texture splay with white flange [10]		

#### MOUNTING

# MOUNTING TYPE [17]

- ${\bf N}$  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]
- 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 full light output, L Trim Type, W Distribution and WH Reflector Finish, 95 CRI/3000K CCT. Actual performance may vary +/-5%. See page 2 for
- FIXTURE PERFORMANCE DATA.

  I Mounting Type required.

  May be required for 347V, see product builder at
- hew.com/product-builder Not available with I Mounting Type.
- Not available with EM batteries.
- Trim ships separately.
  Available with WW Distribution only.
- A Trim Type 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.
- R Trim Type only. Not available with MWT. Not available with WH Reflector Finish or L Trim Type.
- 12 L and R Trim Types only.
- L and K Irim Types only.
   Not available with O trim type. W and WW Distributions only.
   Not available with O trim type. W and WW Distributions only.
- Not available with O Trim Type.
- 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.
- Specify for N and I Mounting Types only. Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- <sup>19</sup> L7 and L13 lumen packages only. Not available with EM batteries
- <sup>20</sup> Also used in new construction sheetrock ceilings. Pan-less installation.

  N and I Mounting Types only. I Mounting requires external 21
- brackets.
- N Mounting Type only.
  N Mounting Type only.



#### **FEATURES**

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Beam angles ranging from 25° narrow to 65° wide for tailored performance
- Square shape accentuates architectural styles
- Open reflector with seven finishes complements any interior style
- Die-cast trim choices include flush, regressed or angled lens
- Spring clip retention system eliminates trim sag
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Fully room-side accessible
- 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''.
- OPEN REFLECTOR Low-iridescent anodized aluminum with top diffuser.
- LENSED TRIM Die-cast aluminum frame with microprismatic, acrylic lens.
- ELECTRICAL High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000
- MOUNTING Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure. Remodel . kit option includes receiver bracket hardware.

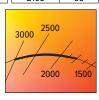
- LISTINGS
  - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for dry and damp locations. LED light assembly conforms to UL 2108 for remote installation.
  - Suitable for wet location under covered ceiling when specified with WET/CC option.
  - IC-rated for direct contact with insulation when specified with I Mounting Type.
- City of Chicago Environmental Air approved when specified with CP option.
- 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

					OPEN REF	LECTOR	FLUSH	LENS	REGRESSE	D LENS
	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (Im/W)
			W	14.0	715	51	761	54	731	52
7			М	14.0	581	42	779	56	759	54
			N	14.0	573	41	759	54	755	54
			W	23.4	1253	54	1334	57	1282	55
13	3000K	1800K	М	23.4	1019	44	1366	58	1330	57
			N	23.4	1005	43	1331	57	1324	57
			W	37.7	2052	54	2194	58	2099	56
2			М	37.7	1668	44	2234	59	2171	58
			N	37.7	1648	44	2181	58	2168	58

# Photometrics tested in accordance with IESNA LM-79. Results based on full light output, L Trim Type, WH Reflector Finish, W Distribution, 95 CRI/3000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary 4/5%

- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.



#### **MULTIPLIER TABLES**

OPEN REFLECTOR FINISH				
CATALOG NUMBER	CONVERSION FACTOR			
CS	1.00			
SG	0.92			
GD	0.93			
CG	0.96			
PW	0.86			
SPC	1.02			
RG	0.88			
WH	0.89			
BL	0.79			

TRIM OPTIONS				
CATALOG NUMBER	CONVERSION FACTOR			
AD	0.85			
PD	0.85			

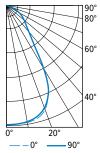
#### **BEAM ANGLE**

	TRIM TYPE [1]					
	O L R					
W	55°	65°	65°			
М	50°	35°	35°			
N	45°	25°	25°			

Beam angle based on CS or WH Reflector Finish

#### **PHOTOMETRY**

### 6DS-L21/9DW-DIM1-UNV-LW-OF-WH Total Luminaire Output: 2194 lumens; 37.7 Watts | Efficacy: 58.2 lm/W | 95.0 CRI; 3000K CCT



	VERTICAL ANGLE	HORIZ	ZONTAL A	NGLE	ZONAL LUMENS
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
8	0	1482	1482	1482	
5	5	1486	1478	1481	141
CANDLEPOWER DISTRIBUTION	15	1452	1433	1433	405
듣	25	1209	1334	1214	566
2	35	553	892	556	445
18	45	336	388	328	283
I E	55	212	218	210	192
豆	65	109	109	106	109
동	75	42	41	40	45
	85	3	2	4	7
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
Σ	0 - 30	1112	51
S	0 - 40	1557	71
핊	0 - 60	2032	93
흴	0 - 90	2194	100
	0 - 180	2194	100

# FLUSH (L)







REGRESSED (R)



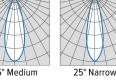












OPEN (O)



50° Medium





# **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 [3]
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 [3]

- Not available with IP Trim Option. Not available with IP or WET/CC Trim Options.
- Must specify IP Trim Option.

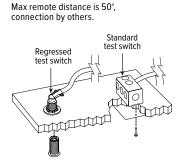
#### MOUNTING DETAILS

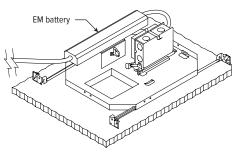


Regressed test switch ø1-3/4"



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





# APERTURE ADAPTOR ORDERING INFO

	ORDERING EXAMPLE: 4DR - GR - 0575 - WHT									
SER	IES	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" = <b>0575</b> See Kit Components for application limits.	CS WH BL	Clear semi-specular powder coat White texture powder coat Black texture powder coat					

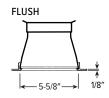
Adaptor (goof ring) corrects ceiling cutout errors during remodel downlight installation.

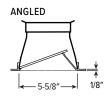
Additional finishes available, consult factory.

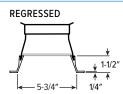
For limitations and instructions, see hew.com/aperture-adaptor.pdf

#### TRIM TYPE DETAILS









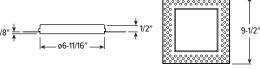
# FLANGE TYPE DETAILS











# REFLECTOR FINISH DETAILS

SPC Clear specular	<b>SG</b> Satin glow	<b>PW</b> Pewter	<b>GD</b> Gold	<b>CG</b> Champagne gold	<b>RG</b> Rose gold	CS WH Clear semi-specular White	<b>BL</b> Black



# **MOUNTING TYPE DETAILS**

