

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create rich, vibrant designs with lasting visual impact using the full visible light spectrum
- Square shape accentuates architectural styles
- Open reflector with 7 finishes to complement 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

SPECIFICATIONS

- **HOUSING** – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel housing/splice compartment with driver mounting plate. Swing-out mounting arms 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 micro-prismatic, acrylic lens.
- **ELECTRICAL** – Five color, mid-power ERP-Lumenetix araya5 LED modules and controls. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM) and Reported L70>50,000 hours. In-line spectral capture and storage results in consistent CRI and CCT across all arrays.
- **MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction. Minimum 24" O.C. marked spacing required for L18 lumen package.
- **LISTINGS** –
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for damp locations.
 - Suitable for wet location under covered ceiling when specified with WET/CC option.
 - RoHS compliant.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- Fixtures are shipped with factory default settings, iOS mobile app required for proper commissioning
- For additional info, see APPLICATION NOTES at erp-power.com/design-resources/technical-documentation

ORDERING EXAMPLE: 6DS - L18/9TC - OPTIONS - DIM - 120 - LW - OF - WH - TRIM OPTIONS - N - F1
 HOUSING TRIM MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL ^[2]	VOLTAGE
6DS	L12 1,200lm L18 1,800lm	9TC Tunable color (90 CRI, 1650K-8000K)	F Fuse kit	DALI DALI Type 8 enabled DIM (1) 0-10V signal to control dimming; (1) 0-10V signal to control either CCT or select up to five preset colors	120 120V 277 277V
				DMX DMX enabled LUT Lutron Ecosystem enabled ^[3] WS Wattstopper DLM enabled ^[4]	

TRIM ^[5]

TRIM TYPE	DISTRIBUTION ^[6]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange ^[10]
L Flush lens	55° Open	SF 1/4" mud-in flange ^[9]	CS Clear semi-specular anodize	IP IP65 rated trim ^[11]
R Regressed lens	65° Flush		SG Satin-glow anodize	AD Diffuse acrylic lens ^[12]
A Angled lens ^[7]	65° Regressed		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[13]
	WW Wall wash ^[8]		CG Champagne gold anodize	WET/CC Wet location, covered ceiling listed ^[14]
			PW Pewter anodize	AM Anti-microbial ^[15]
			SPC Clear specular anodize	
			RG Rose gold anodize	
			Lens trim types	
			CS Clear semi-specular powder coat	
			WH White texture powder coat	
			BL Black texture powder coat	
			MB Black texture splay with white flange ^[16]	

MOUNTING

MOUNTING TYPE ^[17]	MOUNTING HARDWARE
N Housing/mounting pan for new construction only	F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included ^[18]

NOTES

- ¹ Lumen output based on L trim type, W distribution and WH finish, 4000K/90CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² See page 4 for CONTROL DETAILS.
- ³ CCT control only.
- ⁴ CCT control only.
- ⁵ Trim ships separately.
- ⁶ Beam angle based on CS or WH reflector finish.
- ⁷ Available with WW Distribution only.
- ⁸ O and A Trim Types only.
- ⁹ For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for FLANGE TYPE DETAILS. Not available with IP option.
- ¹⁰ Not available with WH Reflector Finish or L Trim Type.

- ¹¹ L and R trim types only.
- ¹² Not available with O trim type.
- ¹³ Not available with O trim type.
- ¹⁴ Not available with O Trim Type. Not available with PD trim option.
- ¹⁵ WH and BL Reflector Finishes only.
- ¹⁶ R Trim Type only.
- ¹⁷ Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹⁸ Universal bar hanger ships uninstalled. See page 4 for MOUNTING HARDWARE DETAILS.



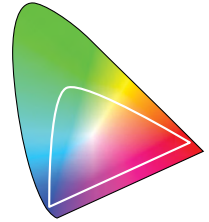
FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L12	4000K	W	1133	24.0	47.2
	RED		120	4.1	29.3
	BLUE		54	6.9	7.8
	GREEN		383	10.8	35.5
L18	4000K	W	1732	40.1	43.2
	RED		183	6.8	26.9
	BLUE		82	11.5	7.1
	GREEN		586	18.0	32.6

FLUSH LENS TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L12	4000K	W	1205	24.0	50.2
	RED		127	4.1	31.0
	BLUE		57	6.9	8.3
	GREEN		408	10.8	37.8
L18	4000K	W	1667	40.1	41.6
	RED		176	6.8	25.9
	BLUE		79	11.5	6.9
	GREEN		564	18.0	31.3



REGRESSED LENS TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L12	4000K	W	1158	24.0	48.3
	RED		122	4.1	29.8
	BLUE		55	6.9	8.0
	GREEN		392	10.8	36.3
L18	4000K	W	1771	40.1	44.2
	RED		187	6.8	27.5
	BLUE		84	11.5	7.3
	GREEN		599	18.0	33.3

MULTIPLIER TABLES

WHITE CONVERSION FACTOR		
CCT	LUMENS	WATTS
2000K	0.54	0.50
2700K	0.81	0.69
3000K	0.91	0.79
3500K	0.93	0.91
4000K	1.00	1.00
5000K	0.83	0.84
6000K	0.64	0.67
8000K	0.48	0.57

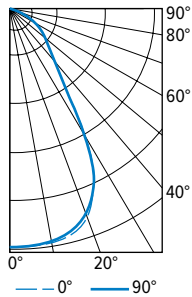
OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

PHOTOMETRY

6DS-L18/9TC-DIM-120-LW-OF-WH Total Luminaire Output: 1667 lumens; 40.1 Watts | Efficacy: 41.6 lm/W | 97.6 CRI; 3905K CCT



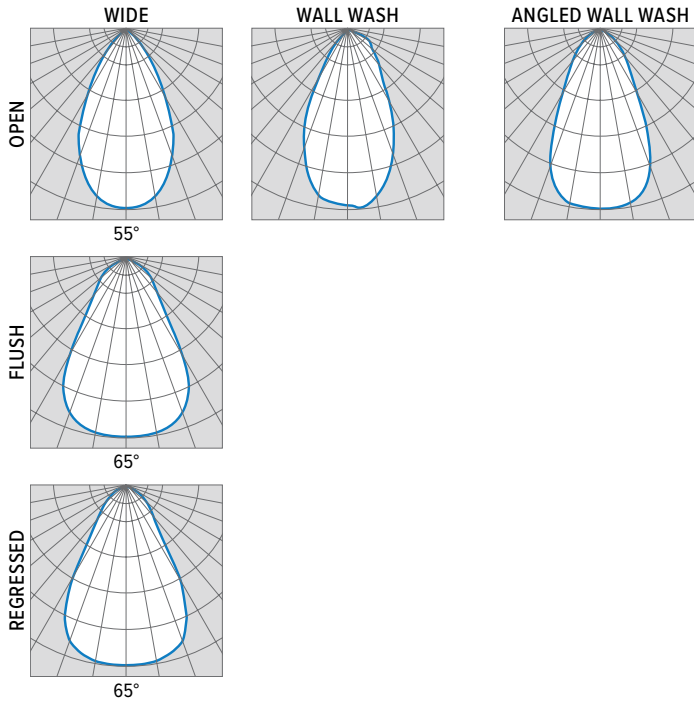
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1126	1126	1126	
	5	1129	1123	1125	107
	15	1103	1089	1089	308
	25	919	1013	923	430
	35	420	678	422	338
	45	255	294	249	215
	55	161	165	160	146
	65	83	83	80	83
	75	32	31	30	34
	85	2	2	3	6
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	845	51
	0 - 40	1183	71
	0 - 60	1544	93
	0 - 90	1667	100
	0 - 180	1667	100

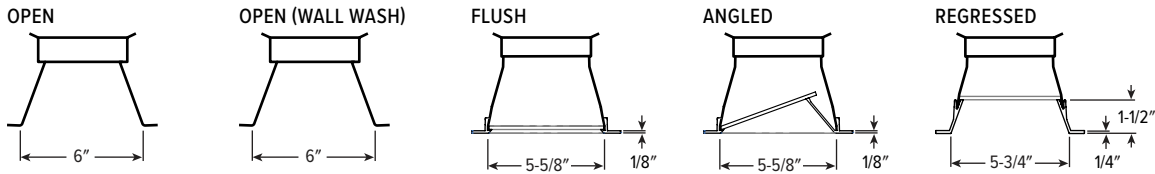


6DS tunable COLOR

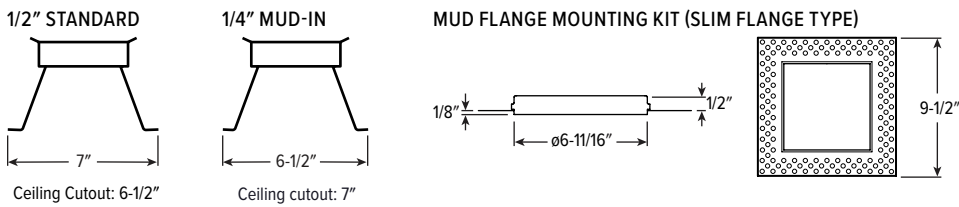
6" Downlight – Square



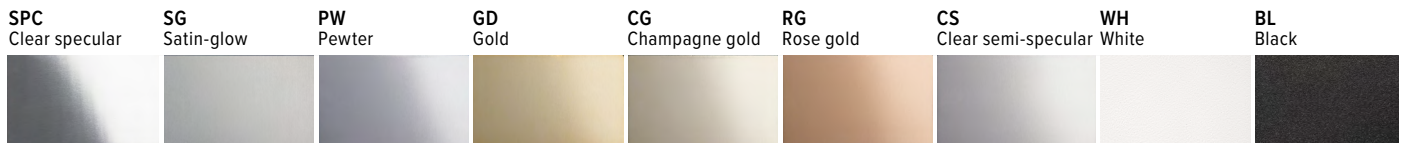
TRIM TYPE DETAILS



FLANGE TYPE DETAILS



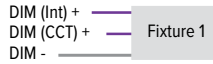
FINISH DETAILS



6DS tunable COLOR 6" Downlight – Square

CONTROL DETAILS

DIM



DALI



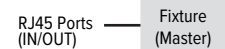
LUTRON ECOSYSTEM



WATTSTOPPER DLM



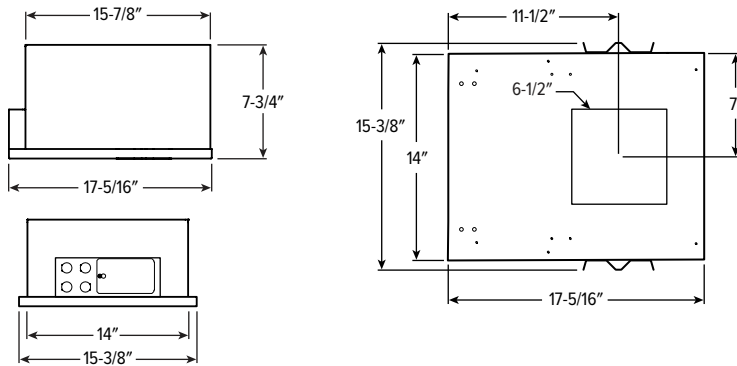
DMX



PROTOCOL	(1) DIMMING ^[1]	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM ^[4]	1%	1650 - 8000K	[2]	[2]
DALI TYPE 8	0.1%	1650 - 8000K	–	–
LUTRON ECOSYSTEM ^[3]	0.1%	1650 - 8000K	–	–
WATTSTOPPER DLM ^[3]	0.1%	1650 - 8000K	–	–
DMX512-A-RDM ^[3]	0.1%	1650 - 8000K	1 - 100%	1 - 60°

- ¹ 100 – 0.1% dimming is available when connected to 0.1% dimming capable digital controls. 100 – 1% dimming is available with analog 0 – 10V control.
- ² Two 0 – 10V lines can be used to control DIM and CCT independently, or program Scenes – in any combination of DIM, CCT, HUE and SAT – and recall them with five 0 - 10V presets.
- ³ May be limited to 1% dimming by controller; see control system specification for details.
- ⁴ 1 – 10V signal dims module to approximately 1%. In-line power relay required to achieve 0% output.

MOUNTING TYPE DETAILS



MOUNTING HARDWARE DETAILS

- F1** Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled

