

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Tunable color, including white tuning, from 1650K to 8000K, minimum 90 CRI
- Beam angles ranging from 10° narrow to 65° wide for tailored performance
- Open reflector with 9 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

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 adjust for ceiling thickness from 1/2" - 1-1/4" (consult factory for additional ceiling thicknesses).
- OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass 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.
- 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 or TD options.
 - 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: 6DR - L21/9TC - OPTIONS - DIM - 120 - OW - OF - CS - TRIM OPTIONS - N - F1

HOUSING
TRIM
MOUNT.

HOUSING

SERIES	LUMENS ⁽¹⁾	COLOR	OPTIONS	CONTROL	VOLTAGE
6DR	L14 1,400lm	9TC Tunable color (90 CRI, 1650K-8000K)	F Fuse kit	DALI DALI Type 8 enabled	120 120V 277 277V
	L21 2,100lm			DIM (1) 0-10V signal to control dimming; (1) 0-10V signal to control either CCT or select up to five preset colors	
				DMX DMX enabled	
				LUT Lutron Ecosystem enabled ⁽²⁾	
				WS Wattstopper DLM enabled ⁽³⁾	

TRIM ⁽⁴⁾

TRIM TYPE	DISTRIBUTION ⁽⁵⁾	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange ⁽¹²⁾
L Flush lens ⁽⁶⁾	65° Open		CS Clear semi-specular anodize	IP IP65 rated trim ⁽¹³⁾
R Regressed lens ⁽⁷⁾	55° Flush		SG Satin-glow anodize	AD Diffuse acrylic lens ⁽¹⁴⁾
A Angled lens ⁽⁸⁾	M Medium		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ⁽¹⁵⁾
S Non-conductive flush lens for shower applications ⁽⁹⁾	N Narrow		CG Champagne gold anodize	TD Diffuse polycarbonate lens media at top of open reflector ⁽¹⁶⁾
	10° Open		PW Pewter anodize	WET/CC Wet location, covered ceiling listed
	WW Wall wash ⁽¹⁰⁾		SPC Clear specular anodize	AM Anti-microbial ⁽¹⁷⁾
			RG Rose gold anodize	
			WH White texture powder coat	
			BL Black texture powder coat	
			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 ⁽¹¹⁾	

MOUNTING

MOUNTING TYPE ⁽¹⁸⁾	MOUNTING HARDWARE ⁽¹⁹⁾
N Open pan for new construction	F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included ⁽²⁰⁾ BA1 Adjustable butterfly pan bracket, bar hanger not included CA1 Adjustable caterpillar pan bracket, universal bar hanger included

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 4000K/90CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- CCT control only.
- CCT control only.
- Trim ships separately.
- Beam angle based on CS reflector finish.
- Available with W Distribution only.
- Available with W Distribution only.
- Available with WW Distribution only.
- W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- O and A Trim Types only.
- R Trim Type only. Not available with MWT.
- Not available with WH Reflector Finish, L or S Trim Types.
- L and R trim types only.
- Not available with O trim type. W distribution only.
- Not available with O Trim Type. W distribution only.
- O Trim Type only. WET/CC standard.
- WH and BL Reflector Finishes only. Not available with S Trim Type.
- Mounting hardware required, 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.
- Universal bar hanger ships uninstalled.



FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1432	24.0	59.7
		RED	151	4.1	36.8
		BLUE	68	6.9	9.9
		GREEN	484	10.8	44.8
	M	4000K	1389	24.0	57.9
		RED	147	4.1	35.9
		BLUE	66	6.9	9.6
		GREEN	470	10.8	43.5
	N	4000K	1329	24.0	55.4
		RED	140	4.1	34.1
		BLUE	63	6.9	9.1
	L21	W	4000K	2141	40.1
RED			231	6.8	34.0
BLUE			104	11.5	9.0
GREEN			741	18.0	41.2
M		4000K	2136	40.1	53.3
		RED	224	6.8	32.9
		BLUE	100	11.5	8.7
		GREEN	718	18.0	39.9
N		4000K	2182	40.1	54.4
		RED	215	6.8	31.6
		BLUE	96	11.5	8.3
			GREEN	687	18.0

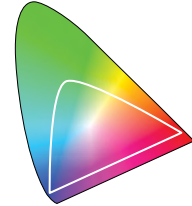
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

FLUSH LENS TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1194	24.0	49.8
		RED	126	4.1	30.7
		BLUE	56	6.9	8.1
		GREEN	404	10.8	37.4
L21	W	4000K	1682	40.1	41.9
		RED	193	6.8	28.4
		BLUE	86	11.5	7.5
		GREEN	617	18.0	34.3

REGRESSED LENS TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1094	24.0	45.6
		RED	116	4.1	28.3
		BLUE	52	6.9	7.5
		GREEN	370	10.8	34.3
L21	W	4000K	1556	40.1	38.8
		RED	177	6.8	26.0
		BLUE	79	11.5	6.9
		GREEN	565	18.0	31.4



MULTIPLIER TABLES

WHITE CONVERSION FACTOR		
CCT	LUMENS	WATTS
2000K	0.46	0.45
2700K	0.74	0.63
3000K	0.85	0.74
3500K	0.94	0.87
4000K	1.00	1.00
5000K	0.94	0.97
6000K	0.86	0.96
8000K	0.70	0.81

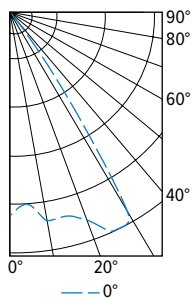
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ¹	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH ¹	0.89
	BL ¹	0.47
	R TRIM	WH
CS		0.98
BL		0.79

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85
TD	0.75
WET/CC ²	0.85

- Distribution will also be affected, consult factory.
- Use multiplier when specified with O Trim Type.

PHOTOMETRY

6DR-TL-L21/9TC-DIM-120-OW-OF-CS Total Luminaire Output: 2141 lumens; 40.1 Watts | Efficacy: 53.4 lm/W | 97.6 CRI; 3598K CCT

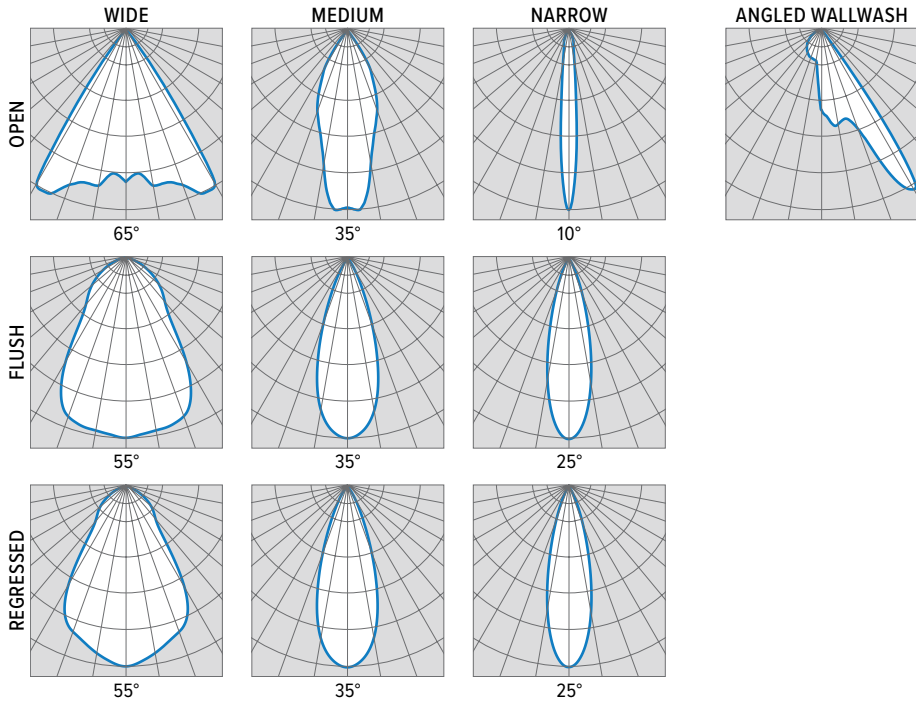


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1801	
	5	1701	162
	15	1869	530
	25	2135	988
	35	651	409
	45	50	38
	55	14	13
	65	2	2
	75	0	0
	85	0	0
	90	0	0

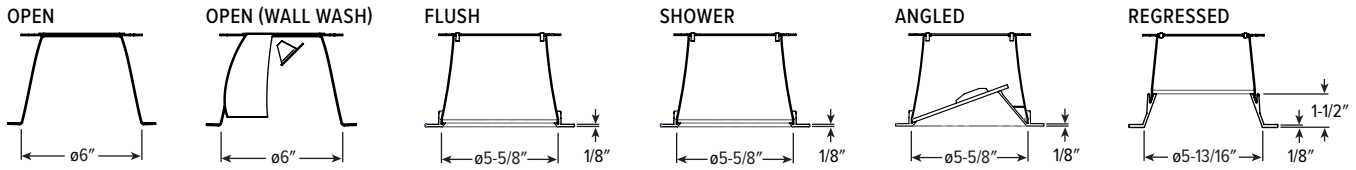
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2088	98
	0 - 60	2140	100
	0 - 90	2141	100
	0 - 180	2141	100



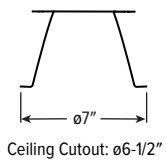
6DR tunable COLOR 6" Downlight – Round



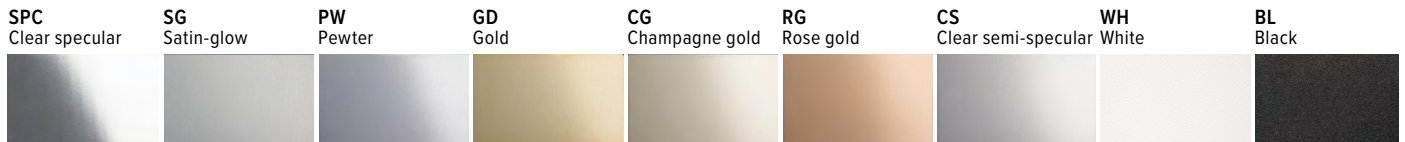
TRIM TYPE DETAILS



FLANGE TYPE DETAILS



REFLECTOR FINISH DETAILS



6DR tunable **COLOR** 6" Downlight – Round

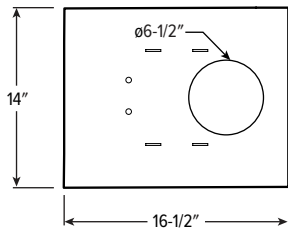
CONTROL DETAILS



PROTOCOL	(1) DIMMING ^[1]	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM ^[4]	1%	1650 - 8000K	^[2]	^[2]
DALI TYPE 8	0.1%	—	—	—
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°

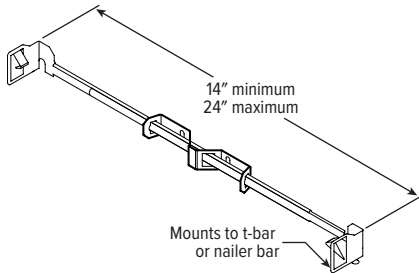
- 100 – 0.1% dimming is available when connected to 0.1% dimming capable digital controls. 100 – 1% dimming is available with analog 0 – 10V control.
- Two 0 – 10V lines can be used to control DIM and CCT independently, or program Scenes – in any combination of DIM, CCT, HUE and SAT – and recall them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

MOUNTING TYPE DETAILS

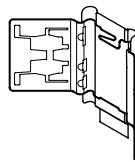


MOUNTING HARDWARE DETAILS

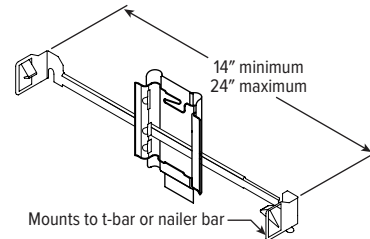
F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled



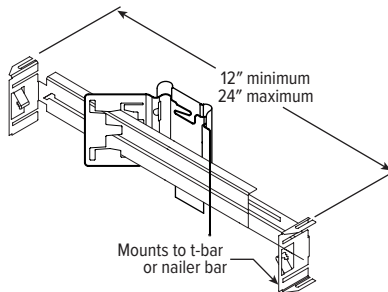
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



CA1 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)

