4DR tunable COLOR
4.5" Downlight – Round

Williams

9-3/8" Approx

6-7/16"

1/2" min to 1-1/4" max

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
- 4 inch aperture is unobtrusive in small scale spaces
- 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 contols. 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

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ORDERING EXAMPLE: 4DR - L21/9TC - OPTIONS - DIM - 120 - OW - OF - CS - TRIM OPTIONS - N - F1

— HOUSING — | — TRIM — | MOUNT.

HOUSING

SERIES	LUMENS [1]	COLOR	OPTIONS	CONTROL		VOLTAGE	
4DR	L13 1,300lm	9TC Tunable color (90 CRI, 1650K-8000K)	F Fuse kit	DALI	DALI Type 8 enabled	120	120V
	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	277	277V
				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 65° Open	OF 1/2" standard flange	**Open trim types**		MWT	Textured white trim flange [12]
L Flush lens [6]	50° Flush 50°		CS	Clear semi-specular anodize	IP	IP65 rated trim [13]
R Regressed lens [7]	Regressed		SG	Satin-glow anodize	AD	Diffuse acrylic lens [14]
A Angled lens [8]	M Medium 45° Open		GD	Gold anodize	PD	Diffuse 1/8" polycarbonate lens [15]
S Non-conductive flush lens for shower applications [9]	N Narrow 10° Open		CG	Champagne gold anodize		
	WW Wall wash [10]		PW	Pewter anodize	TD	Diffuse polycarbonate lens media at top of open reflector [16]
			SPC	Clear specular anodize		
			RG	Rose gold anodize	WET/CC	Wet location, covered ceiling listed
			WH	White texture powder coat		
			BL	Black texture powder coat	AM	Anti-microbial [17]
			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

1. 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.
2. CCT control only.
3. CCT control only.
4. Trim ships separately.
5. Beam angle based on CS reflector finish.
6. Available with W Distribution only.
7. Available with W Distribution only.
8. Available with WW Distribution only.
9. W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
10. O and A Trim Types only.
11. R Trim Type only. Not available with MWT.
12. Not available with WH Reflector Finish, L or S Trim Types.
13. L and R Trim Types only.
14. Not available with O trim type. W distribution only.
15. Not available with O trim type. W distribution only.
16. O Trim Type only. WET/CC standard.
17. WH and BL Reflector Finishes only. Not available with S Trim Type.
18. Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
19. Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
20. Universal bar hanger ships uninstalled.

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Downlights
Page 1 of 4

# 4DR tunable COLOR
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FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1391	24.0	58.0
	RED		147	4.1	35.9
	BLUE		66	6.9	9.6
	GREEN		470	10.8	43.5
	4000K	M	1336	24.0	55.7
	RED		141	4.1	34.4
	BLUE		63	6.9	9.1
	GREEN		452	10.8	41.9
	4000K	N	1274	24.0	53.1
	RED		135	4.1	32.9
	BLUE		60	6.9	8.7
	GREEN		431	10.8	39.9
L21	4000K	W	2079	40.1	51.9
	RED		225	6.8	33.1
	BLUE		101	11.5	8.8
	GREEN		719	18.0	39.9
	4000K	M	2076	40.1	51.8
	RED		216	6.8	31.8
	BLUE		97	11.5	8.4
	GREEN		691	18.0	38.4
	4000K	N	2078	40.1	51.8
	RED		206	6.8	30.3
	BLUE		92	11.5	8.0
	GREEN		656	18.0	36.4

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC 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

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1082	24.0	45.1
	RED		114	4.1	27.8
	BLUE		51	6.9	7.4
	GREEN		366	10.8	33.9
L21	4000K	W	1402	40.1	34.9
	RED		175	6.8	25.7
	BLUE		78	11.5	6.8
	GREEN		560	18.0	31.1
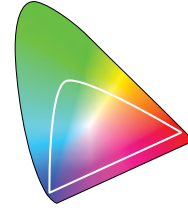
REGRESSED LENS TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1094	24.0	45.6
	RED		116	4.1	28.3
	BLUE		52	6.9	7.5
	GREEN		370	10.8	34.3
L21	4000K	W	1372	40.1	34.2
	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	1.00
	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

[1] Distribution will also be affected, consult factory.
[2] Use multiplier when specified with O Trim Type.

PHOTOMETRY

4DR-TL-L21/9TC-DIM-120-OW-OF-CS Total Luminaire Output: 2079 lumens; 40.1 Watts | Efficacy: 51.9 lm/W | 97.6 CRI; 3604K CCT
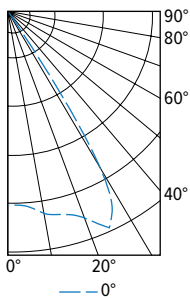
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	1877	
5	1933	184
15	2033	576
25	2314	1070
35	318	200
45	46	36
55	11	10
65	1	1
75	0	0
85	0	0
90	0	

ZONE	LUMENS	% FIXTURE
0 - 40	2031	98
0 - 60	2078	100
0 - 90	2079	100
0-180	2079	100

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HEW.70713.LA REV.01/11/21
Downlights
Page 2 of 4

4DR tunable COLOR
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	WIDE	MEDIUM	NARROW	ANGLED WALL WASH
OPEN	65°	45°	10°	
FLUSH	50°	35°	25°	
REGRESSED	50°	30°	25°	

TRIM TYPE DETAILS

OPEN
ø4-1/2"

OPEN (WALL WASH)
ø4-1/2"

FLUSH
ø4-1/4"   1/8"

SHOWER
ø4-1/4"   1/8"

ANGLED
ø4-1/4"   1/8"

REGRESSED
ø4-3/8"   1/8"   1-1/4"
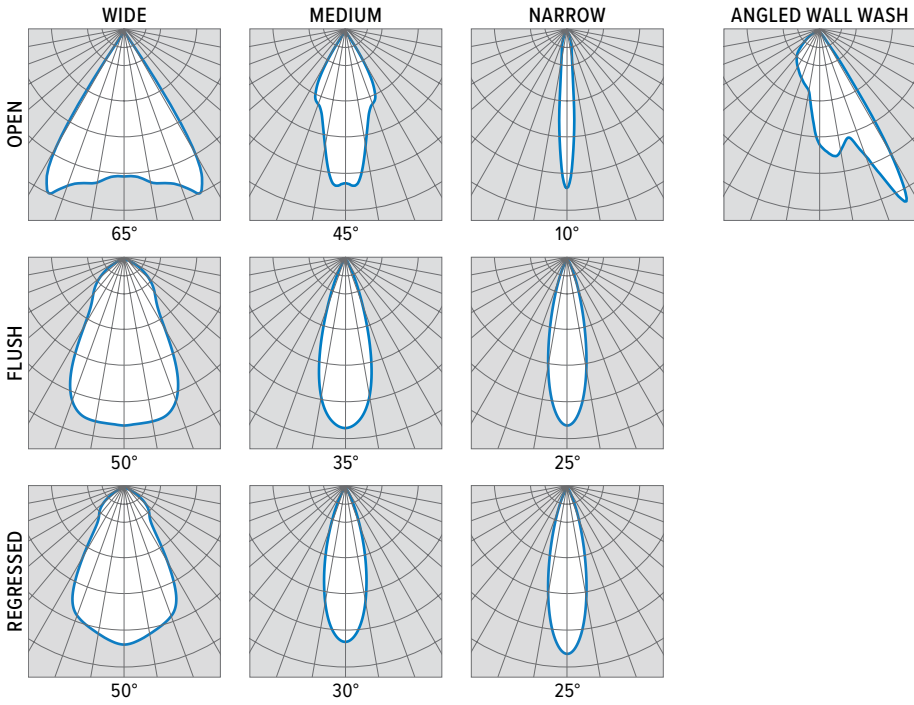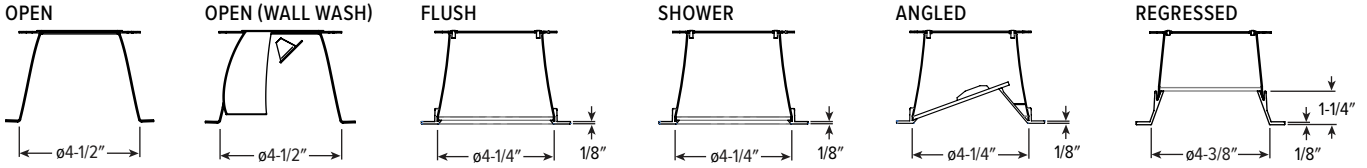
FLANGE TYPE DETAILS

ø5-1/2"

Ceiling Cutout: ø5"
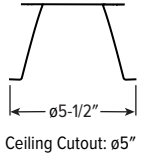
REFLECTOR FINISH DETAILS

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

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Downlights
Page 3 of 4
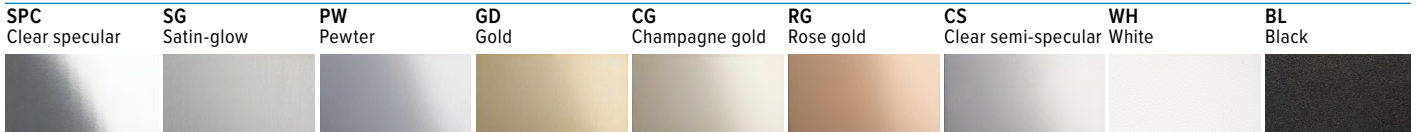
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tunable COLOR
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CONTROL DETAILS

DIM
DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI
DALI +
DALI -
Fixture 1

LUTRON ECOSYSTEM
E1
E2
Fixture 1

WATTSTOPPER DLM
RJ or 2RJ Ports
Fixture 1

DMX
RJ45 Ports (IN/OUT)
Fixture (Master)
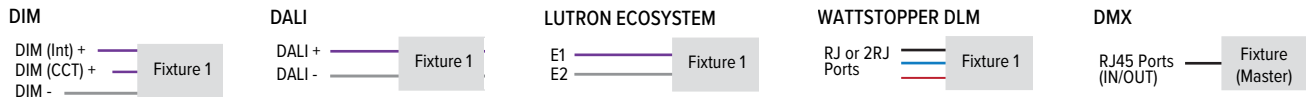
PROTOCOL	(1) DIMMING [1]	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM [4]	1%	1650 - 8000K	[2]	[2]
DALI TYPE 8	0.1%	–	–	–
LUTRON ECOSYSTEM [3]	0.1%	1650 - 8000K	–	–
WATTSTOPPER DLM [3]	0.1%	1650 - 8000K	–	–
DMX512-A-RDM [3]	0.1%	1650 - 8000K	1 - 100%	1 - 60°

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.
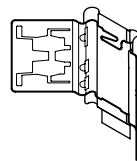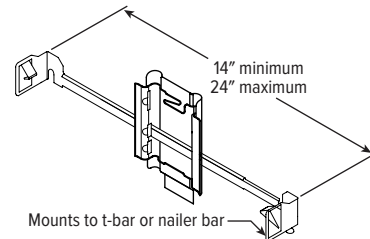
MOUNTING TYPE DETAILS

ø5″
12-1/2″
15-3/4″
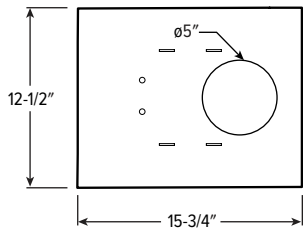
MOUNTING HARDWARE DETAILS

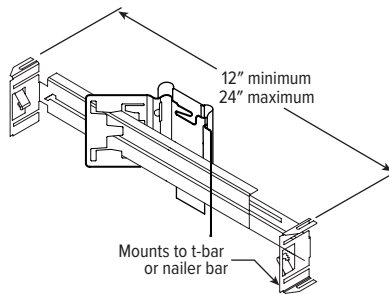**F1** Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled

14″ minimum
24″ maximum

Mounts to t-bar or nailer bar
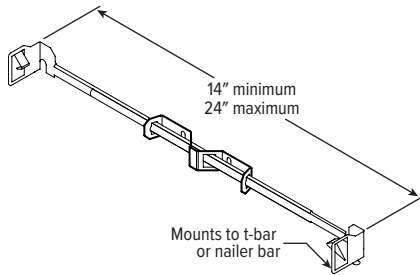
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)

BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)

12″ minimum
24″ maximum

Mounts to t-bar or nailer bar

CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)

14″ minimum
24″ maximum

Mounts to t-bar or nailer bar

CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

11″ minimum
26″ maximum

Mounts to t-bar

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Downlights
Page 4 of 4