FORUM

Arc Series
3, 4 Recessed

The Arc series by Forum is a recessed line of extruded aluminum curvi-linear luminaires. Arc features standard aperture sizes of 2 and 3.5", with housing sizes of 2 ¹⁵⁄₁₆" and 4 ½" wide. Multiple recessed configurations are available. Arc is available in Black, White, Silver, and custom colors and features a premium design, fit and finish. Current's patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy.

Ordering

ARCR — F — __ __ __ __ __ __ __ __ __ __

DISTRIBUTION	PROFILE	OUTPUT		SHIELDING	SHAPE	LENGTH	VOLTAGE	FINISH	OPTION 1	OPTION 2	OPTION 3
		lm/ft	**CCT**								
	33 2 ¹⁵/16" width 3 ¾" height	**65** 650 lm/ft 6.1 input watts/ft*	**27** 2700k temp 93.5% Special order option	**WOL** White Opal Lens	**REC** Rectangle	**2** 2'	**120V**	**WH** White	**F** Fusing	**EMLED** LED battery pk	**90 CRI** 90 CRI
	34 4 ¹/2" width 3 ¾" height	**95** 950 lm/ft 8.9 input watts/ft*	**30** 3000k temp 95.2%		**CIR** Circle	**3** 3'	**277V**	**SV** Silver	**SW** Separate Switch	**F** Fusing	**EC** Emergency Circuit
			35 3500k temp 96.8%		**SQU** Square	**4** 4'	**UNV** Universal	**BK** Black	DIMMING OPTIONS (CHOOSE 1)		
		* Assumes 4000k w/ satin lens	**40** 4000k temp 100%		**MS** Misc. Shape	**5** 5'		**CC** Custom Color	**D10V** 0-10V dimming 1% power class	**DLA2** Lutron Hi-lume 1% 2-wire LED driver (120V forward phase only)	**DLEH5** Lutron Hi-lume 1%-H EcoSystem LED driver with soft-On, Fade-to-Black
		Lumen Multiplier = % of 4000K	**50** 5000k temp 103%		Individual units cannot be joined in field to create runs.	**6** 6'		Provide custom color RAL#:	**DALI** Digitally Addressable Lighting Interface	**DIM** Dimming: Please specify dimming manufacturer/model (if required)	
		Consult factory for limitations				**7** 7'					
			Custom Output			**8** 8'			CONTROLS OPTIONS (CHOOSE 1)		
		LED lm/ft CCT 460-1610 lm/ft				**PTRN** custom pattern*			**OCC** Wattstopper occupancy sensor	**DPS** Wattstopper daylight photo sensor	**LVS** Lutron Vive integrated fixture sensor (occ+daylight)
						Specify continuous run length:			**LVR** Lutron Vive integrated fixture sensor (radio only)	**LVP** Lutron - Vive power pak	**ELM** Enlighted micro sensor
						Standard run length in even foot increments.			**LVR** Lutron Vive integrated fixture sensor (radio only)	**ELM** Enlighted micro sensor	**OES** Osram SensiLUM
						Units ordered as individual units cannot be joined in field to create runs.			**OEC** Osram Encelium CLM	**OED** Osram CLM DEXAL	**C110** Casambi (1x 010v)
						* See pattern worksheet			**C210** Casambi (2x 010v)	**CRGBW** Casambi (RGBW)	

1. 60 option available with 40 Fixture Length only
2. 90 option available with 60 Fixture Length only
3. A2 option available with 80 Fixture Length only
4. 10ft aircraft cables with grippers and hourglass sleeves pre-installed. Canopy kits ordered separately
5. G2 option available with 60 Fixture Length and 90 Lumen Output options only
6. 10ft Power cord included. 300V 18AWG, 5-Conductor wire
7. Power cord not required for G2 mounting option

Current ◉

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CONTROLS & SENSORS

Ordering Code	Description
OCC	Wattstopper occupancy sensor
DPS	Wattstopper daylight photo sensor
LVS	Lutron Vive integrated fixture sensor (occ+daylight)
LVR	Lutron Vive integrated fixture sensor (radio only)
LVP	Lutron - Vive power pak
ELM	Enlighted micro sensor
OES	Osram SensiLUM
OEC	Osram Encelium CLM
OED	Osram CLM DEXAL
C110	Casambi (1x 010v)
C210	Casambi (2x 010v)
CRGBW	Casambi (RGBW)

DIMMING OPTIONS

Ordering Code	Description
D10V	0-10V Dimming, 1% power class
DLA2	Lutron Hi-lume 1% 2-1ire LED driver (120V forward phase only)
DLEH5	Lutron Hi-lume 1% H EcoSystem LED driver with soft-On, Fade-to-Black
DALI	Digitally Addressable Lighting Interface
DIM	Custom Dimming. Please specify dimming manufacturer/model

LUMEN MULTIPLICATION TABLE

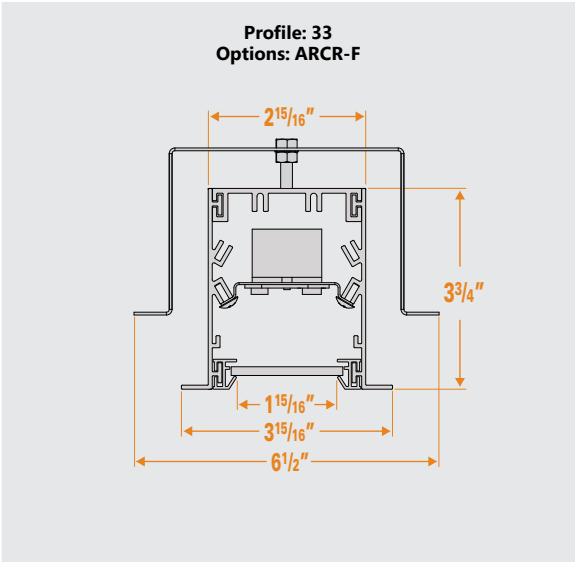| CCT	80 CRI
3000K	0.98
3500K	1
4000K	1.03

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Drawings

ARCR3

3"W

ARCR4

4"W

3"H

Profile: 33
Options: ARCR-F

2^{15}/$_{16}$"
3^{3}/$_{4}$"
1^{15}/$_{16}$"
3^{15}/$_{16}$"
6^{1}/$_{2}$"

Profile: 34
Options: ARCR-F

4^{1}/$_{2}$"
3^{3}/$_{4}$"
3^{1}/$_{2}$"
5^{1}/$_{2}$"
6^{1}/$_{2}$"
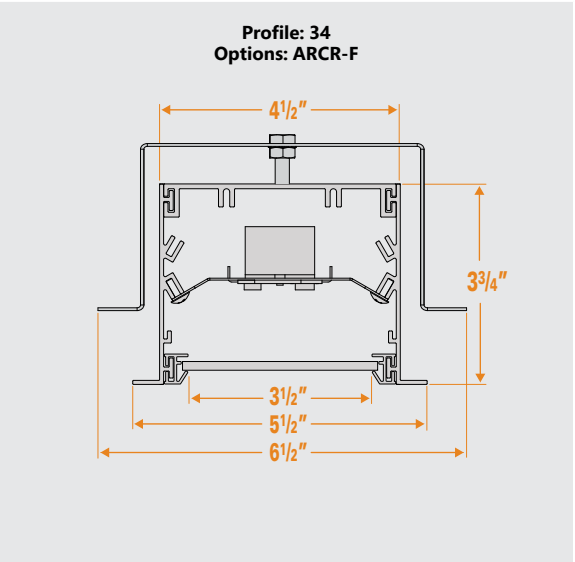
† Consult factory for asymmetric configuration

Pattern Radius Offerings

Rectangle
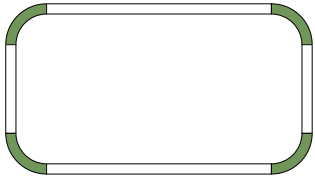
Circle
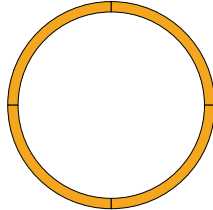
Square
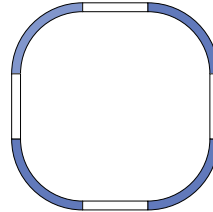
Misc. Shape
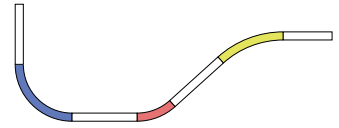
All arc lengths and diameters measure along the centerline of the fixture

D1A / D1B 24" DIA

D1A-90° arc length 18.85"
D1A-180° arc length 37.7"

D2A / D2B / D2C 48" DIA

D2A-45° arc length 18.85"
D2B-90° arc length 37.7"
D2C-180° arc length 75.4"

D3 72" DIA

D3-90° arc length 56.55"

D4A / D4B 96" DIA

D4A-45° arc length 37.7"
D4B-90° arc length 75.4"

D5 144" DIA

D5-45° arc length 56.55"

D6 192" DIA

D6-45° arc length 75.4"

D7 240" DIA

D7-30° arc length 62.83"

D7-240" DIA
D6-192" DIA
D5-144" DIA
D4-96" DIA
D3-72" DIA
D2-48" DIA
D1-24" DIA

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Customer Name		Date
Project Name		
Catalog Number		

Pattern Radius Worksheet

FIXTURE SECTION QUANTITIES

SPECIFY ARC NOTATION	QTY	SPECIFY STRAIGHT LENGTH	QTY
D2B	4	12'	2
		6'	2

* Example

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Arc Series
3, 4 Recessed

Customer Name		Date
Project Name		
Catalog Number		

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Performance Data Tables

The tables below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required

ARCR-X3: 3in RECESSED (DIRECT ONLY) (3500K, WOL)

33	43	Distribution/Output	Lumens/Ft	W/Ft	Efficacy
		D035	350	4.5	78
		D040	400	5.1	78
		D045	450	5.8	78
		D050	500	6.4	78
		D055	550	7.2	76
		D060	600	7.9	76
		D065	650	8.7	75
		D070	700	9.5	74
		D075	750	10.3	73
		D080	800	11.2	71
		D085	850	12.1	70
		D090	900	13.0	69
		D095	950	14.0	68

ARCR-X4: 4in RECESSED (DIRECT ONLY) (3500K, WOL)

34	44	Distribution/Output	Lumens/Ft	W/Ft	Efficacy
		D035	350	3.8	93
		D040	400	4.3	94
		D045	450	4.8	93
		D050	500	5.3	94
		D055	550	6.0	92
		D060	600	6.5	92
		D065	650	7.2	91
		D070	700	7.8	90
		D075	750	8.4	89
		D080	800	9.1	88
		D085	850	9.8	87
		D090	900	10.5	86
		D095	950	11.3	84
		D100	1000	12.0	83
		D105	1050	12.8	82
		D110	1100	13.6	81
		D115	1150	14.4	80

OUTPUT MULTIPLIER TABLE

Photometrics and outputs published on this spec sheet are based on nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

CCT	80 CRI
3000K	0.98
3500K	1
4000K	1.03

Customer Name		Date
Project Name		
Catalog Number		

CONSTRUCTION

Housing:	Extruded aluminum, machined endcaps
Lens:	White opal lenses
Optical Assembly:	.040" aluminum in a pre-paint white finish. Fully wired unit remains completely accessible from below via ballast panel.
Paint:	Black, White, Silver, Custom Color

OPTICAL SYSTEM

Lumens:	460-1610 lm/ft
Efficacy:	Up to 97 LPW
Wattage:	6.1 - 8.9 watts/ft
CCT:	2700k, 3000K, 3500K, 4000K, 5000K
CRI (Min):	TriGain® 90CRI
R9 (Min):	65
Color Consistency:	2SDCM

ELECTRICAL

Input Voltage:	120V, 277V, Universal Voltage
Input Frequency:	50/60Hz
Power Factor (PF):	>0.9
Total Harmonic Distortion (THD):	<16% - 120V <20% - 277V
Thermal Protection:	Type IC Inherently Protected
Temperature / Humidity:	Suitable for Damp Locations
Transient Protection:	All Non-Lutron = 2.5KV Lutron = 4KV

CONTROLS

Dimming:	0-10V 1% power class; Lutron Hi-lume 1% 2-wire LED driver; Lutron Hi-lume 1%-H EcoSystem LED driver with soft-On Fade-to-Black; Lutron 5-Series EcoSystem LED driver; Digitally Addressable Lighting Interface; Custom Dimming

OPERATING TEMPERATURE

Product ID	Operating Temperature
All STD (Non-EM) Options	-30-25C (-22-77F)
2in (w/Battery)	10-25C (50-77F)
3/4/6in (w/Battery)	0-25C (32-77F)

LUMEN MAINTENANCE

- L70>50K Hours

MOUNTING

- Recessed

DESIGN LIFE & WARRANTY

Warranty:
- LED boards - 5 years
- LED drivers (standard) - 5 years
- LED drivers (Lutron) - 3 years

For Product or Technical Questions:

E: INFO@FORUMLIGHTING.COM
T: +1 412 781 5970

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