

Forecast Series

3, 4, 6 Perimeter

The Forecast series by Forum is a line of recessed luminaires designed to accent perimeters and vertical surfaces. Forecast's unique hybrid construction features a sheet metal housing with aluminum trim, reducing fixture weight and cost without sacrificing premium fit and finish. Forecast Perimeter is available in 1 5/8", 4" and 6" apertures with a 3" regressed lens depth. Available in various grid and hard ceiling configurations.

Ordering

		lm/ft	ССТ							
DISTRIBUTION	PROFILE	OUT	PUT	SHIELDING	LENGTH	VOLTAGE	FINISH	OPTION 1 C	PTION 2 OPTION	3 OPTION 4
SRT-43PER 2 ¹ /2" width	FG 9/16" grid	lm/ft 65	сст 27	SAT Satin Lens	2 2'	120V	WH White	MR 37W MAX MR Module	EMLED LED battery pk	EC Emergency Circuit
SRT-44PER	TG 15/16" grid	650 lm/ft 6.5 input watts/ft*	2700k temp 93.5% Special order option	WOL White Opal Lens	3 3'	277V	SV Silver	CP Chicago Plenium	SW Separate Switch	F Fusing
	BG slot grid	95 950 lm/ft	30 3000k temp		4 4'	UNV Universal	BK Black	90 CRI 90 CRI	ADJ Adjustable	DL Damp Location
SRT-46PER 6" width	F	9.5 input watts/ft*	95.2%		5		CC Custom		IMING OPTIONS (CHOOS	· ·
	1/2" flange FF flange-free	* Assumes 4000k w/ satin lens	35 3500k temp 96.8 %		6		Color Provide	D10V 0-10V dimming 1% power class	DLA2 Lutron Hi-lume 1% 2-wire LED driver (120V forward phase only)	DLA3 Lutron Hi-lume 1% 3-wire LED driver
	sheetrock Lumen Multiplier = % of 4000k	7′		custom color RAL#:	DLEH5 Lutron Hi-lume 1%-H EcoSystem LED driver with	DLE55 Lutron 5-Series EcoSystem LED driver	DLE55 Lutron 5-Series EcoSyster LED driver			
		limitations	5000k temp 103 %		PTRN custom pattern*			soft-On, Fade-to-Black DALI Digitally Addressable Lighting Interface	DIM Dimming Please specify dimmina	
		LE lm/ft	D CCT		Specify continuous run length:			interface	manufacturer/model (if required)	rer/model
						CON	TROLS OPTIONS (CHOO	SE 1)		
			, .	run leng in even fo incremer Units orde as individ units cann be joined field to cre runs.	Standard run length in even foot increments.			OCC Wattstopper occupancy sensor	DPS Wattstopper daylight photo sensor	Lutron Vive integrated fixture sensor (occ+daylight)
					Units ordered as individual units cannot be joined in			LVR Lutron Vive integrated fixture sensor (radio only)	ELM Enlighted micro sensor	OES Osram SensiLUM
					field to create runs. * See pattern			OEC Osram Encelium CLM	OED Osram CLM DEXAL	C110 Casambi (1x 010v)
					workshee			C210	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 gripples 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 Powercord not required for G2 mounting option





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)
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)
DLA3	Lutron Hi-lume 1% H EcoSystem LED driver with soft-On, Fade-to-Black
DLA5	Lutron Hi-lume 1% EcoSystem LED driver
DLEH5	Lutron Hi-lume 1% H EcoSystem LED driver with soft-On, Fade-to-Black
DLE55	Lutron 5-Series EcoSystem LED driver
DALI	Digitally Addressable Lighting Interface
DIM	Custom Dimming. Please specify dimming manufacturer/model

2. OPTIONAL ACCESSORIES

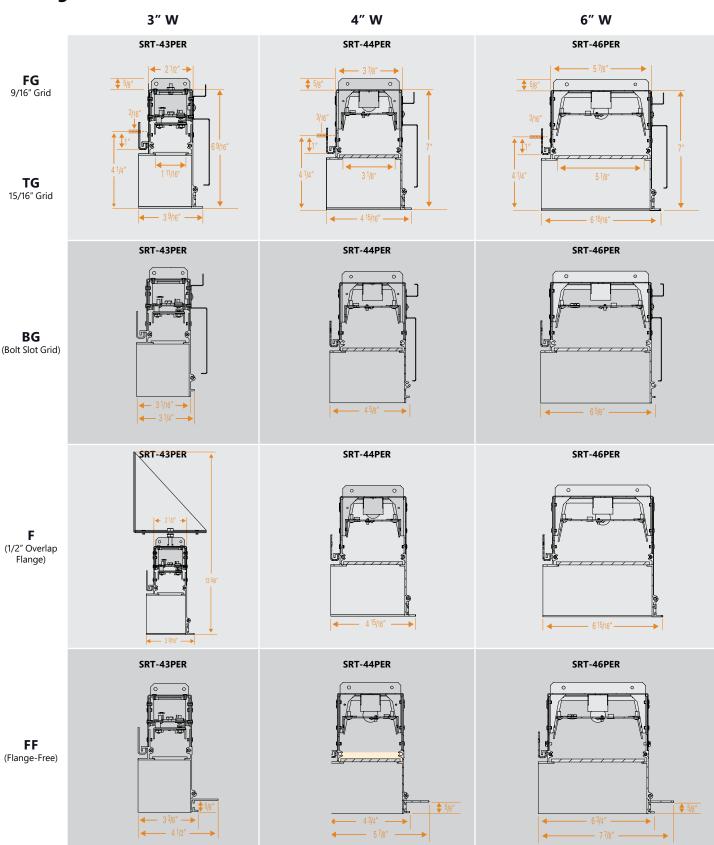




Quantity

90° OUTSIDE CORNER

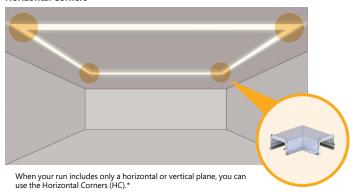
Drawings



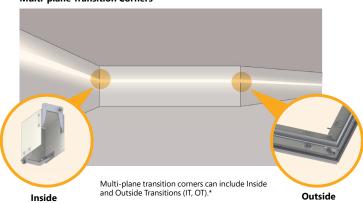
PATTERN WORKSHEET

Please use this worksheet to specify your continuous run SRT or SRZ patterns. Please use the next page for all PER patterns.

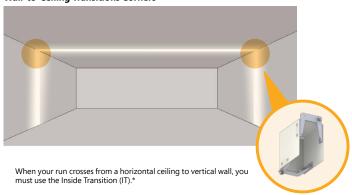
Horizontal Corners



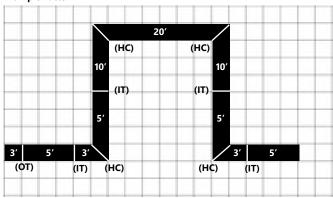
Multi-plane Transition Corners



Wall-to-Ceiling Transitions Corners



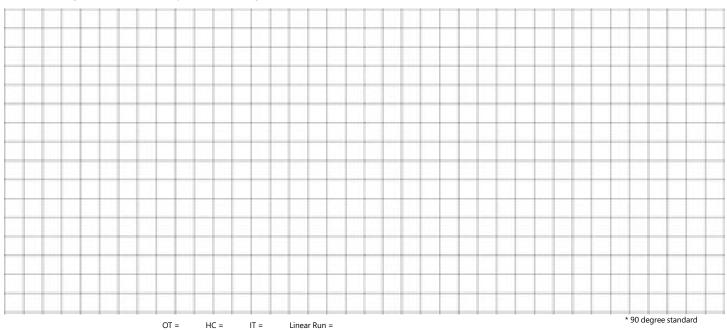
Example Pattern



OT = 1 HC = 4 IT = 4 Linear Run = 69

 Please provide drawings, architectural drawings, or renderings of your pattern/room as well.

Please use the grid below to plan out your linear footage and number of needed corners:

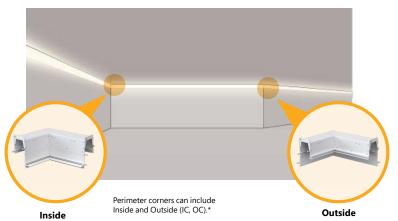




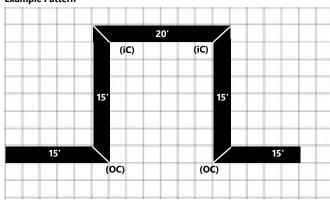
PATTERN WORKSHEET

Please use this worksheet to specify all PER patterns. Please use the previous page for your continuous run SRT or SRZ patterns.

Perimeter Corners

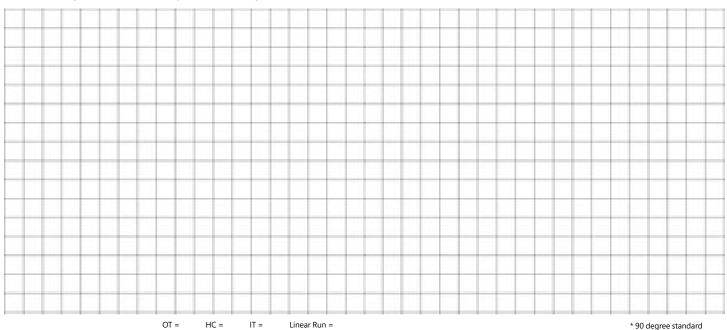


Example Pattern



IC = 2 Linear Run = 80'

Please use the grid below to plan out your linear footage and number of needed corners:





Linear Run =

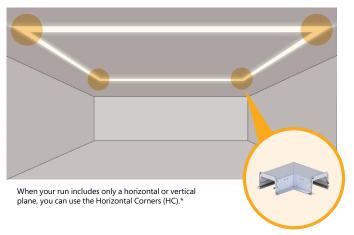
* 90 degree standard

Please provide drawings, architectural drawings, or renderings of your pattern/room as well.

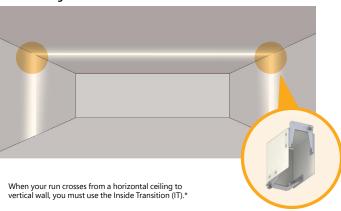


CORNER OPTIONS

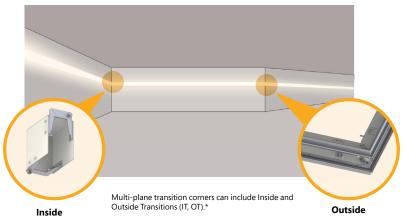
Horizontal Corners



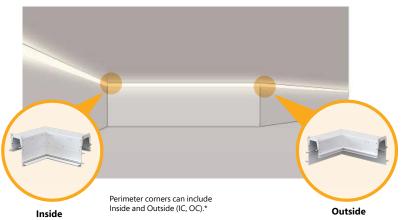
Wall-to-Ceiling Transitions Corners



Multi-plane Transition Corners



Perimeter Corners



* 90 degree standard



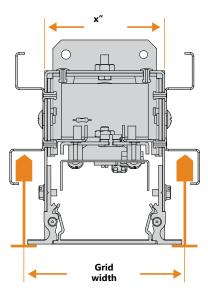


Forecast Series 3, 4, 6 Perimeter

CEILING GRID

Use the guide below to determine the proper ceiling grid placement for installation of the FG/TG and BG profiles.

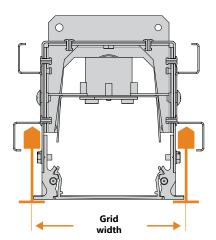
SRT, SRT REC, SRT ASY FG/TG



Grid width = x'' + 7/8''

Use the width (x) provided in the charts on pages 5-7 of this document, and add 7/8".

SRZ, SRZ ASY, SRZ REC FG/TG

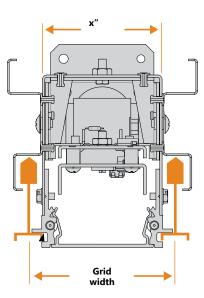


For the SRZ profiles, the ceiling grid width is the next highest whole number in relation to x:

SRZ-44 ceiling grid width: = 4"

SRZ-46 ceiling grid width: = 6"

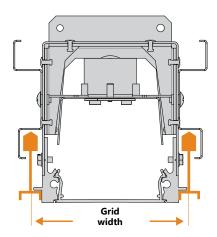
SRT, SRT REC, SRT ASY BG



Grid width = x'' + 5/8''

Use the width (x) provided in the charts on pages 5–7 of this document, and add 5/8".

SRZ, SRZ ASY, SRZ REC BG



For the SRZ profiles, the ceiling grid width is the next highest

whole number in relation to x:

SRZ-44 ceiling grid width: = 4"

SRZ-46 ceiling grid width: = 6"

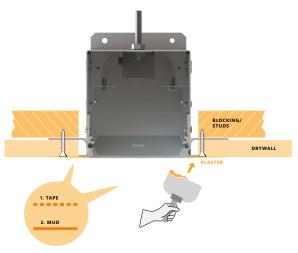




ENVIRONMENT INTERFACE SPECS

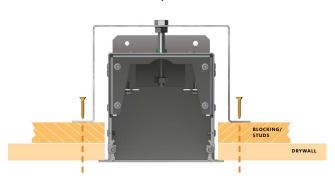
Each Forecast (SRT) series fixture is designed for a specific mounting application. Lamping, wiring, and continuous run assembly is universal across the family of fixture profiles. For more information, please consult complete Installation Instructions, available online.

FF (Flange-free) installation



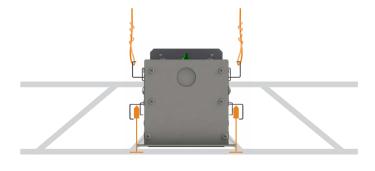
The FF (Flange-Free) fixture is installed prior to drywall installation.

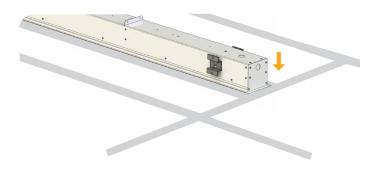
F (1/2" Overlap) installation



The F (1/2" Overlap) fixture is installed after drywall installation.

Fg/BG/TG Grid installation





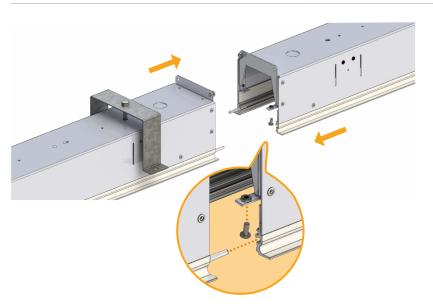
The FG/TG/BG fixture is installed within a ceiling grid system.



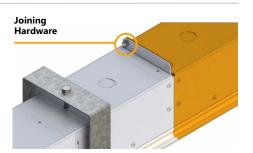


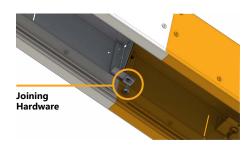
Components and Assembly

JOINING HARDWARE



Alignment pins engage the housing profile of the ajoining units. Gasket strips along the exposed faces ensure a true fit and prevent light leak.

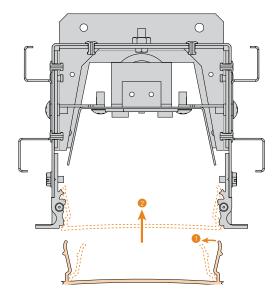




Supplied hardware draws the pieces together tightly.

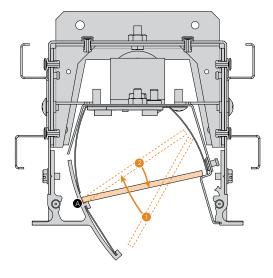
LENS DETAIL

Snap-in Method



For Snap-in Lenses, gently squeeze the sides (1) while lifting into place (2). Lens will snap into position.

Lift-and-Shift Method



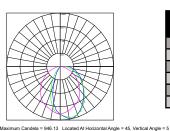
For Lift-and-Shift Lenses (used on Regressed, Perimeter, and Asymmetrical fixtures), lift lens into housing (1) ,rest on point A, then lower into place (2).

Photometrics

Logic/Config

Forcast 3 Perimeter

2652 Lumens SRT-43PER-TG-65LED40-SAT X 4'-WH



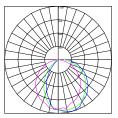
ZONE	LUMENS	% OF FIXTURE
0-20	440.72	16.60
0-30	870.77	32.80
0-40	1318.13	49.70
0-60	2083.37	78.60
0-80	2545.69	96.00
0-90	2651.58	100.00

ZONE	LUMENS	% OF FIXTURE
10-90	2532.24	95.50
20-40	877.41	33.10
20-50	1290.01	48.70
40-70	1040.66	39.20
60-80	462.31	17.40
70-80	186.90	7.00
80-90	105.89	4.00
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	2651.58	100.00

Logic/Config

Forcast 4 Perimeter

2676 Lumens SRT-44-TG-95LED40-WOL X 4'-WH



ZONE	LUMENS	% OF FIXTURE
0-20	377.72	14.10
0-30	782.78	29.30
0-40	1242.78	46.40
0-60	2071.00	77.40
0-80	2569.18	96.00
0-90	2675.94	100.00

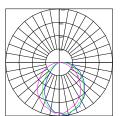
LUMENS ZONE 2576.37 96.30 10-90 20-40 865.06 32 30 20-50 1312.14 49.00 1125.99 42.10 40-70 18.60 498.18 70-80 200.40 7.50 80-90 106.77 4.00 90-110 0.00 0.00 90-120 0.00 0.00 0.00 0.00 90-130 90-150 0.00 0.00 90-180 0.00 0.00 0.00 0.00 110-180

ngle = 0, Vertical Angle = 0

Logic/Config

Forcast 6 Perimeter

2636 Lumens SRT-46PER-TG-65LED40-SAT X 4'-WH



ZONE	LUMENS	% OF FIXTURE
0-20	398.06	15.10
0-30	823.33	31.20
0-40	1301.08	49.40
0-60	2121.9	80.50
0-80	2552.48	96.80
0-90	2635.72	100.00

ZONE	LUMENS	% OF FIXTURE
10-90	2530.54	96.00
20-40	903.02	34.30
20-50	1353.03	51.30
40-70	1086.3	41.20
60-80	430.58	16.30
70-80	165.10	6.30
80-90	83.24	3.20
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	2635.72	100.00

Maximum Candela = 1041.21 Located At Horizontal Angle = 0, Vertical Angle = 5
#1 - Vertical Plane Through Horizontal Angles (0 - 180)
#2 - Vertical Plane Through Horizontal Angles (45 - 225)
#3 - Vertical Plane Through Horizontal Angles (90 - 270)





CONSTRUCTION

Housing: Extruded aluminum, machined endcaps

Lens: Satin frosted, and white opal lenses.

Optical .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:	430-1710 lm/ft
Distribution:	Direct
Efficacy:	Up to 109 LPW
Wattage:	6.5 - 9.5 watts/ft
ССТ:	2700k, 3000K, 3500K, 4000K, 5000K
CRI (Min):	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% 3-wire LED driver; Lutron Hi-lume 1% EcoSystem 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	Operating Temperature
STD (Non-EM) Options	-30-25°C (-22-77°F)
3/4/6in w/Battery	0-25°C (32-77°F)

LUMEN MAINTENANCE

L70>50K Hours

MOUNTING

- Recessed
- · Hard Ceiling
- Flange-free Sheetrock
- Multiple Tegular Grid Ceiling Options (see pg 7)

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

