

ECORENO

4" 2000 Series

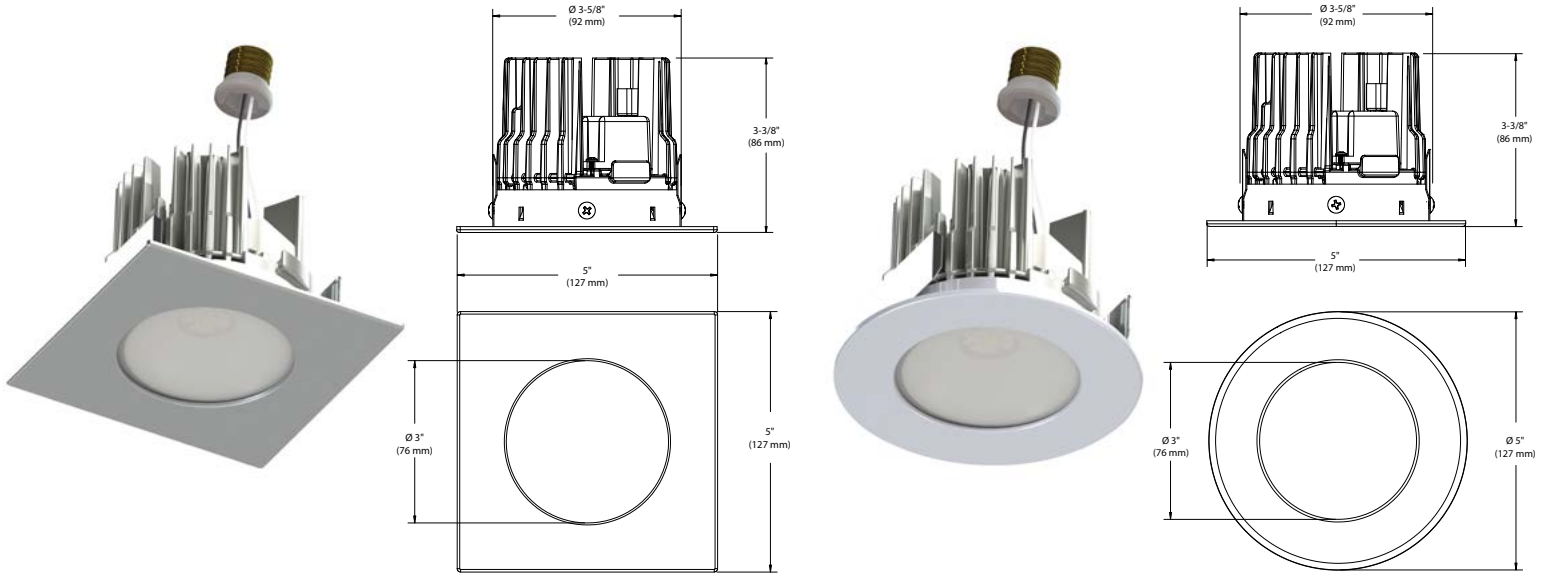
Project _____

Notes _____

Fixture Type _____

Date _____

LED Conversion Trim Kit with Frosted Lens



DESCRIPTION

Conversion trim kit allows to transform a medium base PAR20 trim Contrast Lighting or other manufacturer's 4-inch luminaire into a dedicated LED square or round unit with frosted lens.

SPECIFICATIONS

TRIMS	Painted or plated die-formed steel, different finishes available shown below
LENS	Standard frosted lens
HEAT SINK DISSIPATION	Very high quality injected aluminum ensuring a maximum heat dissipation
DRIVER	Constant current output with forward voltage (Vf) from 16 to 24VDC, 375 mA, class 2. 120VAC input
SOURCE	LED, LUMILED LUXEON® K chip offering freedom From Binning with 3 step MacAdam ellipse color performance control. Exceeds ENERGY STAR® lumen maintenance requirements. Choice of 2700K, 3000K and 4000K color temperatures.
CRI	83
LUMEN OUTPUT	2,700K: 596 lumens, 60 lumens/watts 3,000K: 651 lumens, 65 lumens/watts 4,000K: 700 lumens, 70 lumens/watts

POWER CONSUMPTION	10 watts to 120V c.a.
LIFESPAN	50,000 hours
COMPATIBILITY	Suitable for converting most 4 inch diameter housings (to obtain the complete list, please see our web site)
CERTIFICATION	cULus Classified E359733
Approved for damp locations	
DIMMING	Compatible with most Incandescent, Magnetic Low Voltage (MLV) and Electronic Low Voltage (ELV) dimmers. Please see web site for compatibility chart.



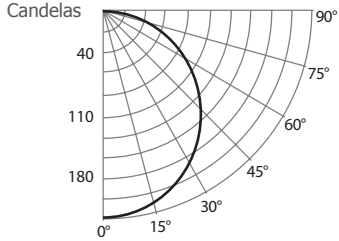
ECORENO

4" 2000 Series

PHOTOMETRIC DATA, LED SPECTRAL DISTRIBUTION AND CHROMATICITY DIAGRAM

2,700K

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	6,1	15,1'
08'	3,4	20,1'
10'	2,2	25,2'
12'	1,5	30,2'
14'	1,1	35,2'
16'	0,9	40,3'
18'	0,7	45,3'
20'	0,5	50,3'

LUMINAIRE

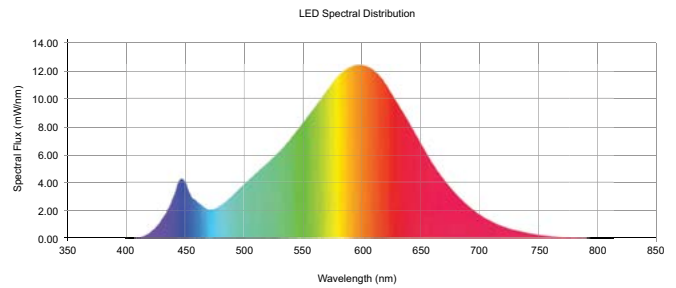
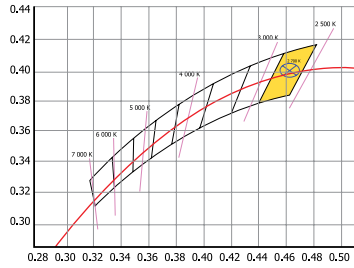
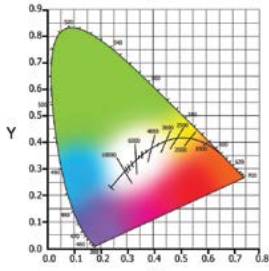
LED	2,700K
Equivalent Lamps	35W MR16 50W PAR20
CBCP / Lumens	219 / 596
Watts	120V 9,9W
Operating AMPS	0.086A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	83
Lumen/Watt	60
Spacing Criteria	1.2
Certificate LM-79-08	6013-001257

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30	
Wall Reflect %	50	30	50	30
RCR	0	119119	111111	106106
	2	9488	8884	8581
	4	7466	7164	6863
	6	6051	5750	5549
	8	4940	4739	4539
	10	4032	3932	3831

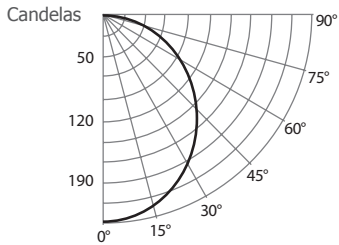
Zonal Cavity Method Effective Floor
Cavity Reflectance 20%

Color Binning Information



3,000K

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	6,6	15,1'
08'	3,7	20,1'
10'	2,4	25,2'
12'	1,7	30,2'
14'	1,2	35,2'
16'	0,9	40,3'
18'	0,7	45,3'
20'	0,6	50,3'

LUMINAIRE

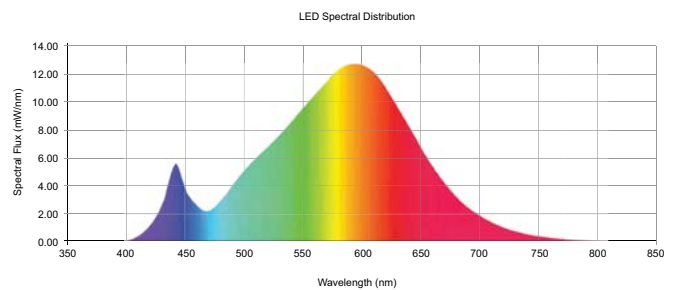
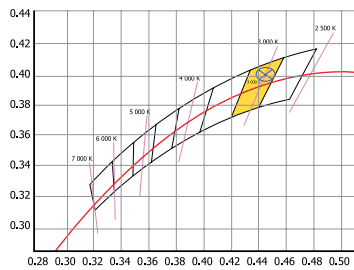
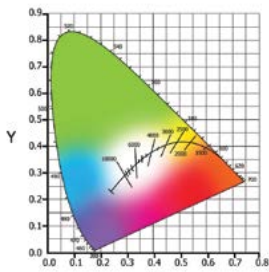
LED	3,000K
Equivalent Lamps	35W MR16 50W PAR20
CBCP / Lumens	238.3 / 650
Watts	120V 9,9W
Operating AMPS	0.086A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	83
Lumen/Watt	65,7
Spacing Criteria	1.2
Certificate LM-79-08	6013-001257

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30	
Wall Reflect %	50	30	50	30
RCR	0	119119	111111	106106
	2	9488	8884	8581
	4	7466	7164	6863
	6	6051	5750	5549
	8	4940	4739	4539
	10	4032	3932	3831

Zonal Cavity Method Effective Floor
Cavity Reflectance 20%

Color Binning Information

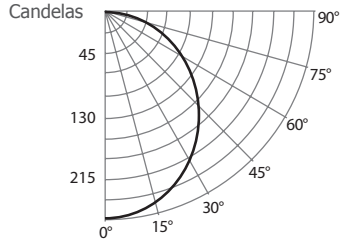


ECORENO

4" 2000 Series

4,000K

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	7,2	15,1'
08'	4,0	20,1'
10'	2,6	25,2'
12'	1,8	30,2'
14'	1,3	35,2'
16'	1,0	40,3'
18'	0,8	45,3'
20'	0,6	50,3'

LUMINAIRE

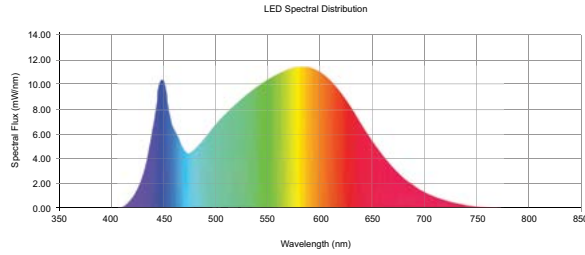
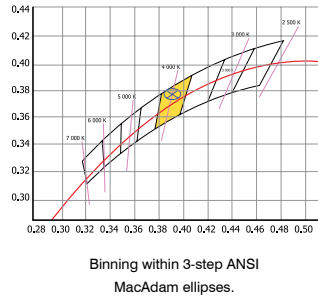
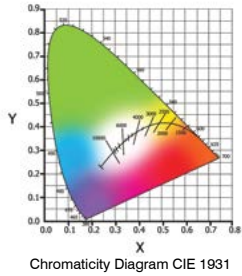
LED	4,000K
Equivalent Lamps	42W MR16 60W PAR20
CBCP / Lumens	257.9 / 699
Watts	120W 9,9W
Operating AMPS	0.086A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	83
Lumen/Watt	70
Spacing Criteria	1.2
Certificate LM-79-08	6013-001257

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30
Wall Reflect %	50 30	50 30	50 30
RCR	0	119119	111111 106 106
	2	94 88	88 84 85 81
	4	74 66	71 64 68 63
	6	60 51	57 50 55 49
	8	49 40	47 39 45 39
	10	40 32	39 32 38 31

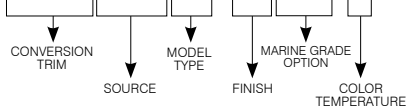
Zonal Cavity Method Effective Floor Cavity Reflectance 20%

Color Binning Information



CODIFICATION EXAMPLE

RFITLED20-02MG-2



ORDERING CODE for Conversion Trim Kit

CONVERSION TRIM	SOURCE	MODEL TYPE	FINISH	MARINE GRADE	COLOR TEMPERATURE
RFIT	LED	20	Round	-01	White
RFIT	LED	21	Square	-02	Black
				-03	Gold Plated 24K
				-04	Chrome
				-04BR	Brushed Chrome
				-05	Architectual Bronze
				-06	Antique Copper
				-11	Matte White
				-12BR	Brushed Nickel
				-13	Satin Nickel
				-15	Metallic Grey
				MG (optional)	May be applied on finishes: -01, -02, -05, -06, -11 and -15.
				-2	2,700K
				-3	3,000K
				-4	4,000K

MARINE GRADE - Unless otherwise indicated, trims are for interior use only. For exterior use and damp locations, MARINE GRADE treatment is recommended. Available with -01, -02, -05, -06, -11 and -15 finishes only.

Energy Verified
Remendement Énergétique Vérifié



CONTRAST
LIGHTING

1009, rue du Parc Industriel
Lévis (Québec) G6Z 1C5 Canada
Tel.: 1-888-839-4624 Fax: 1-877-839-7057
info@contrastlighting.com
www.contrastlighting.com

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