

20mm Linear LED Light Engine Data Sheet

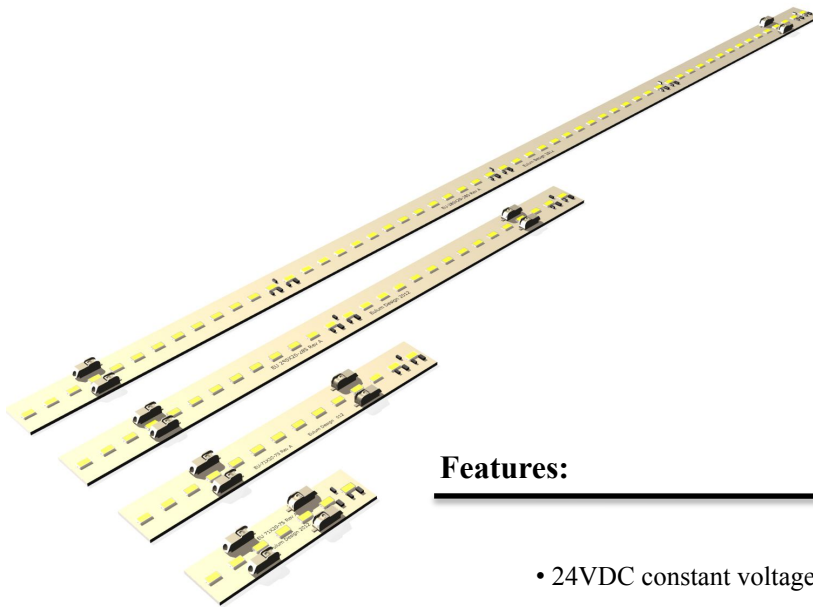


Table of Contents

Features & Applications	1
Nomenclature	2
H.E. Product Information	3
H.O. Product Information	4
Chromaticity Information	5
Mechanical Dimensions	6
App Notes & Accessories	7

Features:

- 24VDC constant voltage input.
- On-board current control.
- On-board thermal protection.
- Bergquist T-Clad Substrate.
- Thermal adhesive tape pre-applied.
- Range of secondary optics available.

Applications:

- Recessed Lighting
- Linear Lighting Systems
- Cove Lighting

Standards:



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1

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Product Nomenclature Information

Form	Function	Dimension (mm)	Diode Type	# Diodes	Lumen Output	CCT
Board Shape	Additional functions	Length x Width	Eulum Abbreviation	Diode Quantity	Hot Lumens	Colour Temperature
L=Linear R=Round Q=square S=Spot	NN=Switched DN=Dali TN=Triac AN=1-10v Dim DE=Dali+EM TE=Triac+EM AE=1-10v+EM	---X---	L = Low Power LED M = Mid Power LED X = High Power LED H = Very High Power LED A = AC LED	---	---	27 - 2700°K 30 - 3000°K 35 - 3500°K 40 - 4000°K

Example:

LNN - 285x020 - M01 - 028 - 060 - 40

(code for a linear 600lm, 4000°K light engine without dimming and emergency)

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Product Performance Information (High Efficiency)

Part Number	CCT (°K)	Luminous Flux (lm)	Efficiency (lm/W)	Input Power (W)	Dimensions
LNN-071x020-M01-007-015-30	3000	150	100	1.5	71mm x 20mm 2.79" x 0.79"
LNN-071x020-M01-007-015-40	4000	150	106	1.4	71mm x 20mm 2.79" x 0.79"
LNN-142x020-M01-014-030-30	3000	300	100	3.0	142mm x 20mm 5.59" x 0.79"
LNN-142x020-M01-014-030-40	4000	300	106	2.8	142mm x 20mm 5.59" x 0.79"
LNN-285x020-M01-028-060-30	3000	600	100	6.0	285mm x 20mm 11.22" x 0.79"
LNN-285x020-M01-028-060-40	4000	600	106	5.6	285mm x 20mm 11.22" x 0.79"
LNN-570x020-M01-056-120-30	3000	1,200	100	12.0	570mm x 20mm 22.44" x 0.79"
LNN-570x020-M01-056-120-40	4000	1,200	106	11.2	570mm x 20mm 22.44" x 0.79"

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3

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Product Performance Information (High Output)

Part Number	CCT (°K)	Luminous Flux (lm)	Efficiency (lm/W)	Input Power (W)	Dimensions
LNN-071x020-M01-007-024-30	3000	240	92	2.6	71mm x 20mm 2.79" x 0.79"
LNN-071x020-M01-007-024-40	4000	240	100	2.4	71mm x 20mm 2.79" x 0.79"
LNN-142x020-M01-014-048-30	3000	480	92	5.2	142mm x 20mm 5.59" x 0.79"
LNN-142x020-M01-014-048-40	4000	480	100	4.8	142mm x 20mm 5.59" x 0.79"
LNN-285x020-M01-028-096-30	3000	960	92	10.4	285mm x 20mm 11.22" x 0.79"
LNN-285x020-M01-028-096-40	4000	960	100	9.6	285mm x 20mm 11.22" x 0.79"
LNN-570x020-M01-056-192-30	3000	1,920	92	20.8	570mm x 20mm 22.44" x 0.79"
LNN-570x020-M01-056-192-40	4000	1,920	100	19.2	570mm x 20mm 22.44" x 0.79"

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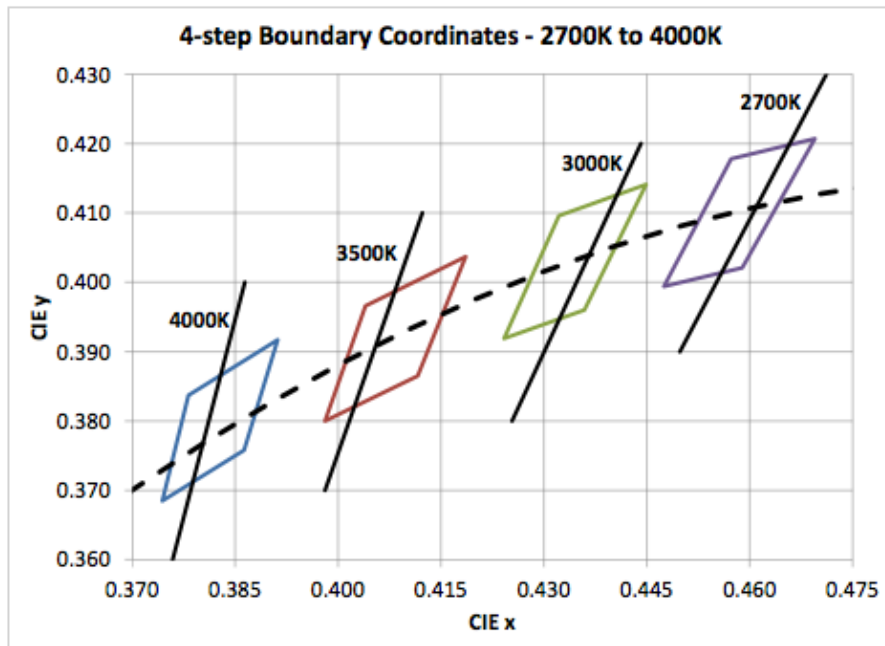
4

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Product Chromaticity Information



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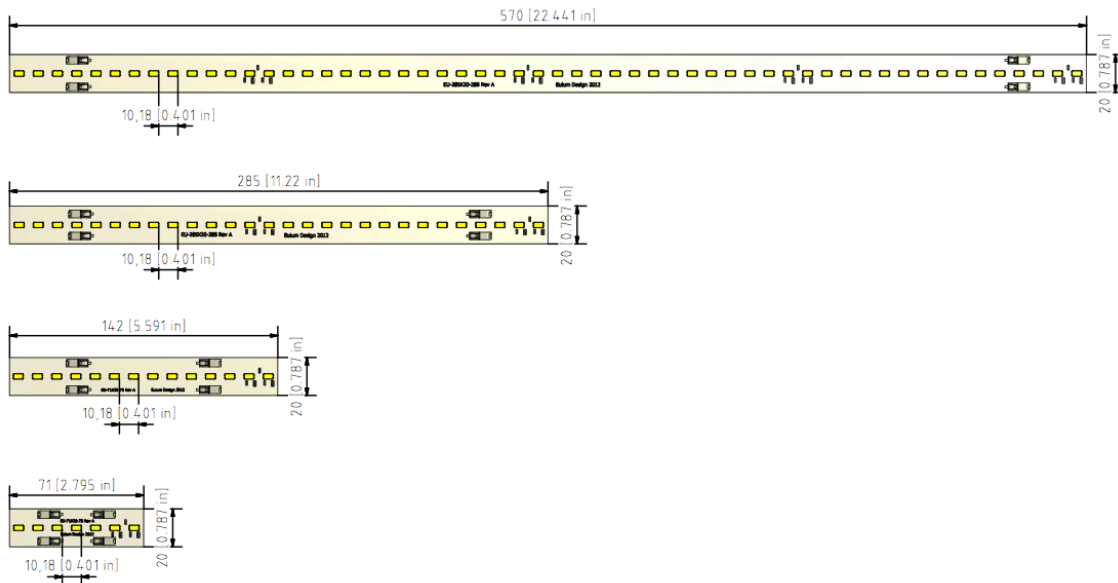
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Mechanical Dimensions



Electrical Connections

24V Terminal	(+)24Vdc from PSU
Gnd Terminal	(-) Ground from PSU

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Application Notes

- 1 These Eulum LED Light Engines are designed to be mounted onto a suitable heat sink
- 2 Fully de-grease the heat sink surface using a alcohol based cleaner
- 3 Peel backing off tape and position the light engine onto the heat sink
- 4 Apply pressure along the PCB, being careful not to touch the components
- 5 Use 24 AWG -18 AWG cable (0.2mm - 0.82mm CSA) solid core cable to wire between boards
- 6 LEDs are polarity sensitive, ensure all wiring is correct before connecting to PSU

Accessories

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7

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