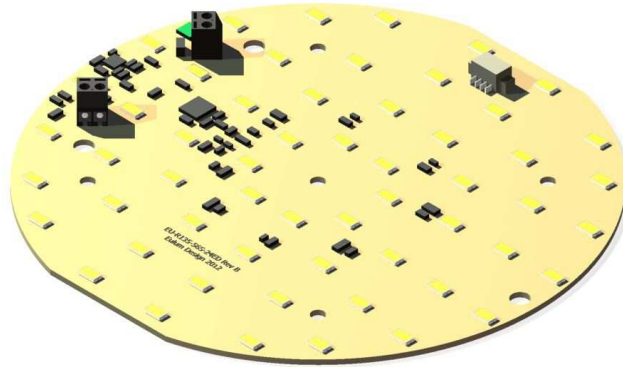


# Ø140mm Round LED Light Engine Data Sheet



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## Features:

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- 24VDC constant voltage input.
- On-board current control.
- On-board thermal protection.
- Range of secondary optics available.
- 0-10v Dimming
- Dali Dimming

## Applications:

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- Recessed Lighting
- Down Lights
- Wall Lights

## Standards:

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# Ø140mm Round LED Light Engine Data Sheet



## 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)

# Ø140mm Round LED Light Engine Data Sheet



## Product Performance Information (High Efficiency)

Part Number	CCT (°K)	Luminous Flux (lm)	Efficiency (lm/W)	Input Power (W)	Dimensions
RNN-140x000-M01-056-120-30	3000	1,200	100	12	Ø140mm / Ø5.51"
RNN-140x000-M01-056-120-40	4000	1,200	106	11	Ø140mm / Ø5.51"
RAN-140x000-M01-056-120-30	3000	1,200	100	12	Ø140mm / Ø5.51"
RAN-140x000-M01-056-120-40	4000	1,200	106	11	Ø140mm / Ø5.51"

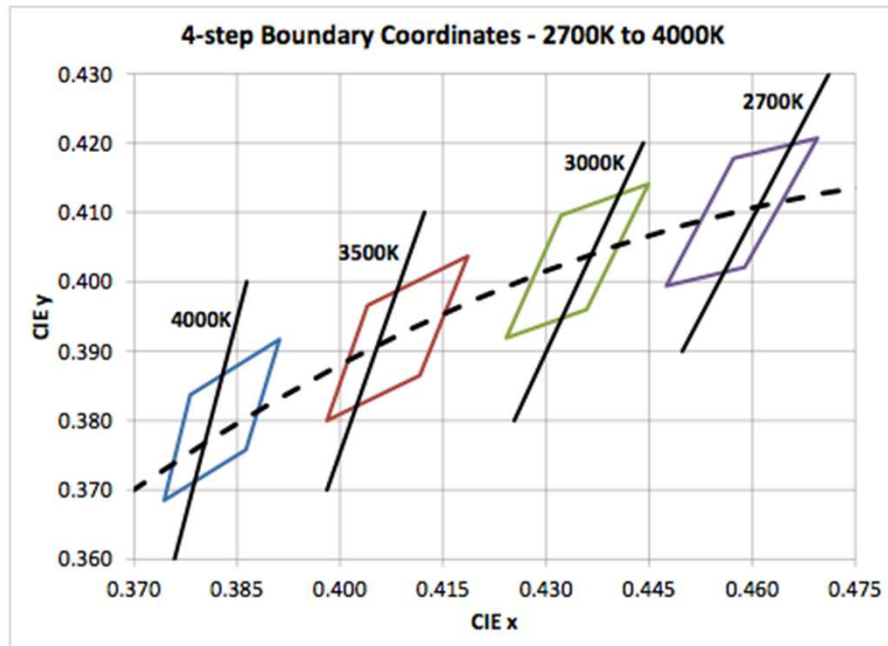
## Product Performance Information (High Output)

Part Number	CCT (°K)	Luminous Flux (lm)	Efficiency (lm/W)	Input Power (W)	Dimensions
RNN-140x000-M01-056-192-30	3000	1,920	91	21	Ø140mm / Ø5.51"
RNN-140x000-M01-056-192-40	4000	1,920	100	19	Ø140mm / Ø5.51"
RAN-140x000-M01-056-192-30	3000	1,920	91	21	Ø140mm / Ø5.51"
RAN-140x000-M01-056-192-40	4000	1,920	100	19	Ø140mm / Ø5.51"

# Ø140mm Round LED Light Engine Data Sheet



## Product Chromaticity Information



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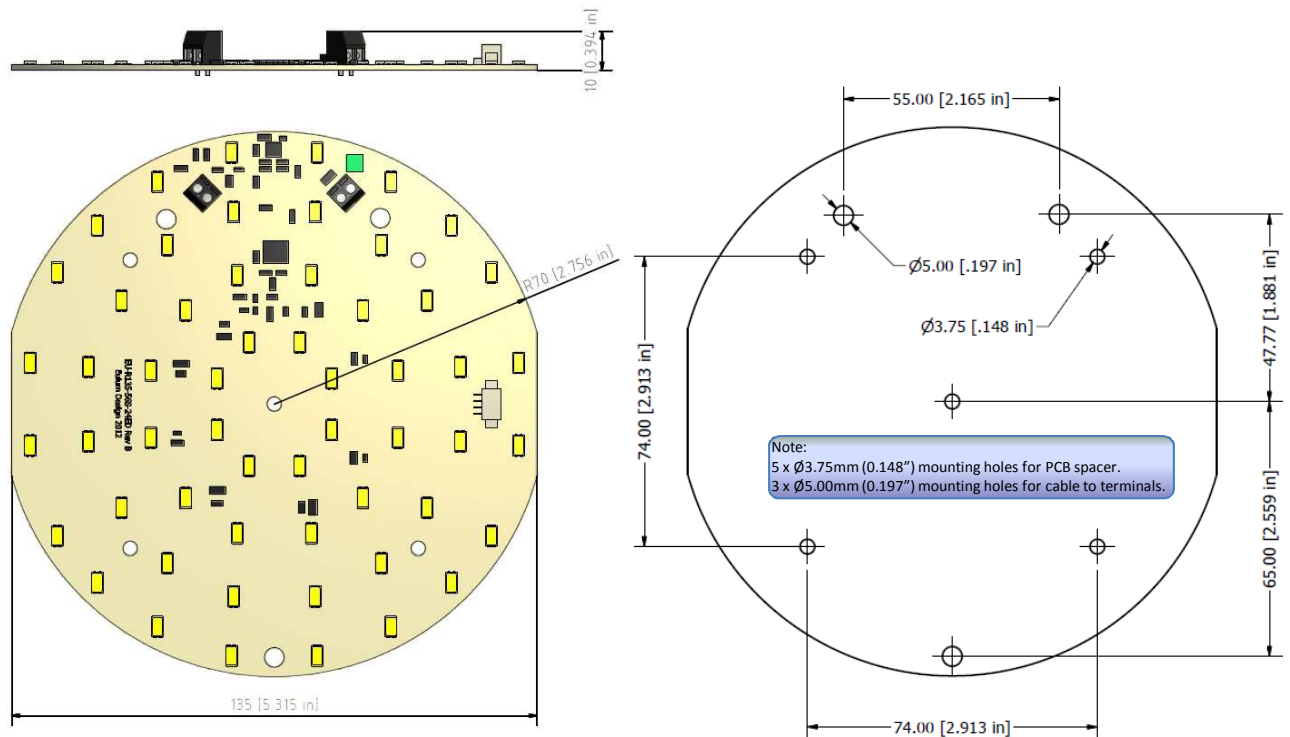
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# Ø140mm Round LED Light Engine Data Sheet



## Mechanical Dimensions



## Electrical Connections

<b>24v</b>	<b>(+)24Vdc from PSU</b>
Gnd Terminal	(-) Ground from PSU
Dim	(+)10Vdc Dimming Input
Gnd	(-) Dimming Ground
ICP Port	Programming Port

# Ø140mm Round LED Light Engine Data Sheet



## Application Notes

- 1 This Eulum LED Light Engines is designed to be mounted onto 5mm PCB spacers
- 2 For direct mounting to a heat sink, then a interface material **MUST** be installed between PCB & Heat sink
- 3 Use 24 AWG -18 AWG cable (0.2mm - 0.82mm CSA) solid core cable to wire between boards
- 4 LEDs are polarity sensitive, ensure all wiring is correct before connecting to PSU

## Accessories

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