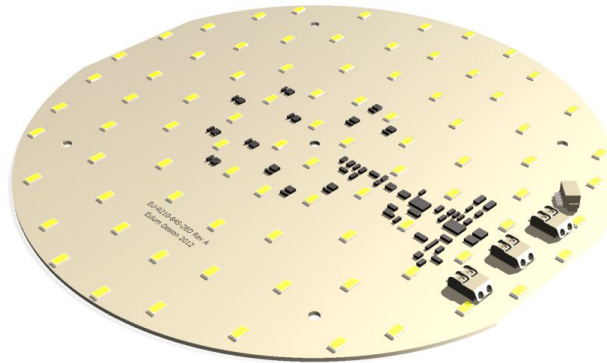


# Ø210mm Round LED Light Engine Data Sheet



## 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

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## Applications:

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- Recessed Lighting
- Down Lights
- Wall Lights

## Standards:

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# Ø210mm 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<br>R=Round<br>Q=square<br>S=Spot | NN=Switched<br>DN=Dali<br>TN=Triac<br>AN=1-10v Dim<br>DE=Dali+EM<br>TE=Triac+EM<br>AE=1-10v+EM | ---X---        | L = Low Power LED<br>M = Mid Power LED<br>X = High Power LED<br>H = Very High Power LED<br>A = AC LED | ---            | ---          | 27 - 2700°K<br>30 - 3000°K<br>35 - 3500°K<br>40 - 4000°K |

Example:

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

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

# Ø210mm 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-210x000-M01-084-180-30 | 3000     | 1,800              | 100               | 18              | Ø210mm / Ø5.51" |
| RNN-210x000-M01-084-180-40 | 4000     | 1,800              | 106               | 17              | Ø210mm / Ø5.51" |
| RAN-210x000-M01-084-180-30 | 3000     | 1,800              | 100               | 18              | Ø210mm / Ø5.51" |
| RAN-210x000-M01-084-180-40 | 4000     | 1,800              | 106               | 17              | Ø210mm / Ø5.51" |
| RAE-210x000-M01-084-180-30 | 3000     | 1,800              | 100               | 18              | Ø210mm / Ø5.51" |
| RAE-210x000-M01-084-180-40 | 4000     | 1,800              | 106               | 17              | Ø210mm / Ø5.51" |

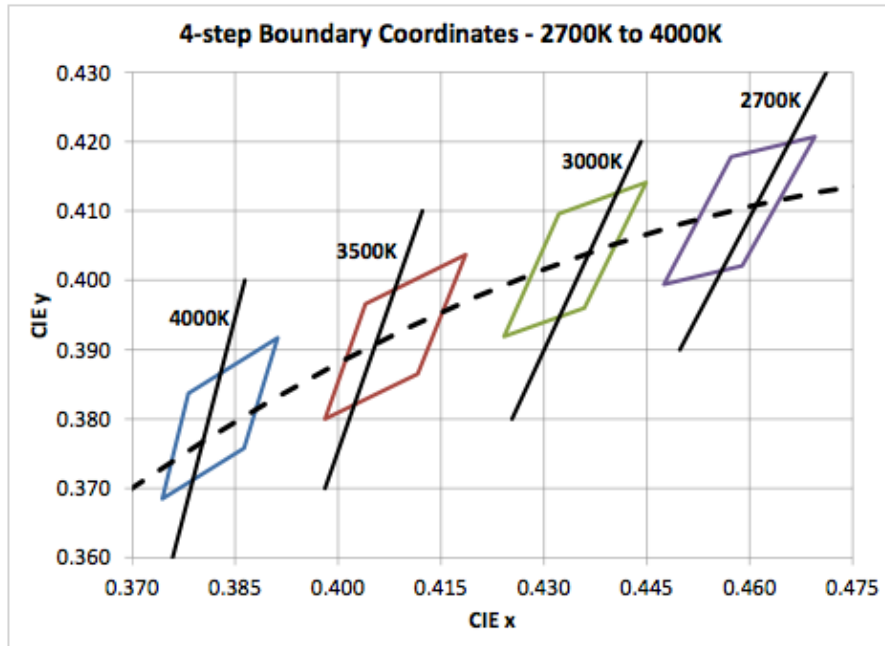
## Product Performance Information (High Output)

| Part Number                | CCT (°K) | Luminous Flux (lm) | Efficiency (lm/W) | Input Power (W) | Dimensions      |
|----------------------------|----------|--------------------|-------------------|-----------------|-----------------|
| RNN-210x000-M01-084-280-30 | 3000     | 2,800              | 90                | 31              | Ø210mm / Ø5.51" |
| RNN-210x000-M01-084-280-40 | 4000     | 2,800              | 97                | 29              | Ø210mm / Ø5.51" |
| RAN-210x000-M01-084-280-30 | 3000     | 2,800              | 90                | 31              | Ø210mm / Ø5.51" |
| RAN-210x000-M01-084-280-40 | 4000     | 2,800              | 97                | 29              | Ø210mm / Ø5.51" |
| RAE-210x000-M01-084-280-30 | 3000     | 2,800              | 90                | 31              | Ø210mm / Ø5.51" |
| RAE-210x000-M01-084-280-40 | 4000     | 2,800              | 97                | 29              | Ø210mm / Ø5.51" |

# Ø210mm Round LED Light Engine Data Sheet



## Product Chromaticity Information



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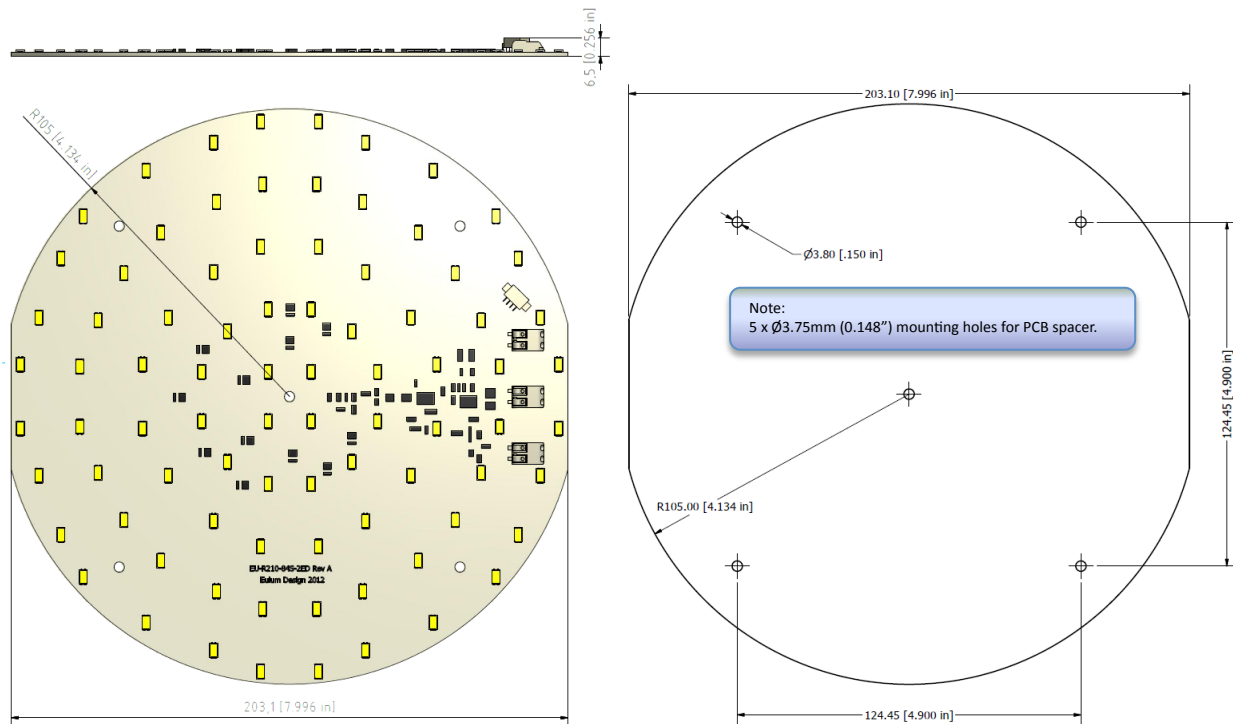
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# Ø210mm Round LED Light Engine Data Sheet



## Mechanical Dimensions



## Electrical Connections

|              |                        |
|--------------|------------------------|
| 24v          | (+)24Vdc from PSU      |
| Gnd Terminal | (-) Ground from PSU    |
| Dim          | (+)10Vdc Dimming Input |
| Gnd          | (-) Dimming Ground     |
| EM+          | (+) Emergency Supply   |
| EM-          | (-) Emergency Supply   |
| ICP Port     | Programming Port       |

# Ø210mm 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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