

Electrical Specifications

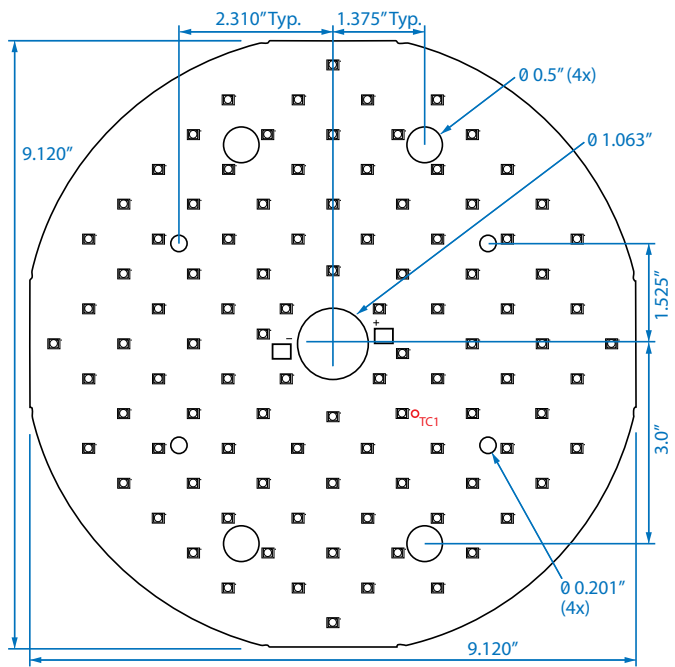
Driver Type:	Constant-Current
Drive Current:	2800mA Nominal
Nom. Forward Voltage:	31.70V
Total Board Power:	88.74W Nominal
Life:	50,000 Hrs, 70% lumen maint. @ Ta max 40°C, used as specified
Max Junction Temp:	90°C
Max Test Point Temp:	79°C
Operating Temp:	-40°C to +80°C Ambient
Storage Temp:	-40°C to +80°C
Viewing Angle (FWHM):	120° Lambertian distribution
CRI:	80 Min



9.1 Inch Round DC LED Module @ 2800mA

Model	Total Board Power (W)	Total Current (mA)	Color Temp (K)	Lumens (± 15%)	Board LPW
98039	88.74	2,800	2700	9,843	110
98040	88.74	2,800	3000	10,500	118
98041	88.74	2,800	3500	11,062	124
98042	88.74	2,800	4000	11,344	127
98043	88.74	2,800	5000	12,187	137

Dimensions



- Constant-Current DC Array, 5LED Series x 20 Parallel Strings
- Designed for easy use in standard luminaires
- Tight LED pitch eliminates pixelization, no complex lens or optics required
- Color: ¼ ANSI Binning, 3 Step MacAdam Ellipse
- Suggested Applications: Commercial or Residential Downlights
- Customizable: Engines can be modified to your application. Contact us.
- Engineered by Norlux
- 5 yr. Warranty

Connectivity Options

Suffix	Connection
-00	Two 12" Leads
-01	No Leads
-02	Two Connectors

For Poke-In Connectors, use #24-18 AWG stranded or solid wire

★ **MADE IN USA** ★
Of Imported And Domestic Components



CIE Chromaticity Coordinates:

2700K

3 Step Macadams Ellipse

X	Y
0.4576	0.4183
0.4698	0.4212
0.4478	0.3999
0.4591	0.4025

3000K

3 Step Macadams Ellipse

X	Y
0.4325	0.4101
0.4452	0.4146
0.4244	0.3923
0.4362	0.3965

3500K

3 Step Macadams Ellipse

X	Y
0.4045	0.3975
0.4189	0.4044
0.3989	0.3819
0.412	0.3875

4000K

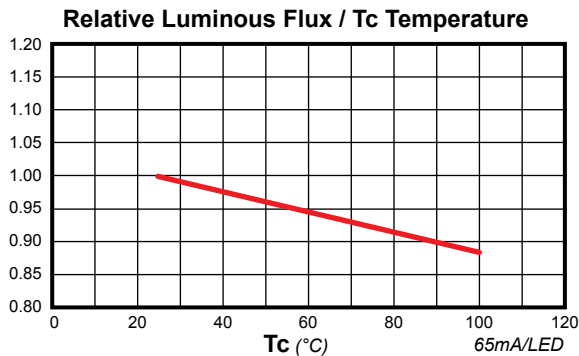
3 Step Macadams Ellipse

X	Y
0.3783	0.3836
0.3909	0.3906
0.3746	0.3687
0.3864	0.3757

5000K

3 Step Macadams Ellipse

X	Y
0.3408	0.3461
0.3485	0.3520
0.3416	0.3585
0.3499	0.3644



Compatible TRP Drivers:

- PLED96W-034-C2800
- PLED96W-034-C2800-D
- PLED96W-034-C2800-D3
- PLED96W-034-C2800-PD
- PLED96W-034-C2800-HV
- PLED96W-034-C2800-D-HV
- PLED96W-034-C2800-D3-HV
- PLED96W-034-C2800-PD-HV

Step Dimming:

This Light Engine can be step-dimmed, with a recommended TRP dimmable driver and SD series step-dimming module. See the SD2 or SD3 data sheet for wiring information.

Mounting Notes

Contact factory for more information.

Static Sensitive Device

Handle only at static-safe work stations.

Thermal Application Notes

Heat sink required during operation. For assistance in designing proper thermal management for your application, contact TRP.

Maximum Current

Max Current: 2950mA

Voltage at max current: 32V, Power at max current: 94.4W

The total maximum current reflects the LED maximum forward current only, without considering thermal needs. Driving the LEDs this hard will likely violate their thermal limits, depending on the application. **Tc point must remain at or below the max temperature, or the warranty will be voided.** Temperature is