



CUSTOMIZE YOUR LUMINARE

ARCLIT CLASS SPECIFICATION

Standard Colors

2700K 3000K 3500K

4000K 5000K

Standard CRIs

80 - 90

Module Codes

1'
C022NI142162

2'
C042NI294314

3'
C042NI447467

4'
C042NI599619

5'
C042NI752772

6'
C042NI100320

8'
C042NI119320



Suitable for Architectural, Ring applications, High Bay, Pendants Indoor Lighting, Ring Chandelier Ceiling Light

Launched in 9 Diameters: 1, 2, 3, 4, 5, 6, 8, 10, 12 Foot
Available in single-push connectors or pre-wired for easy installation

Designed, Engineered and Manufactured in the **USA**
A++ Energy efficacy class





ARCHLIT CLASS DESCRIPTION

Designed for a circle application with easy installation process
 Suitable for retrofit projects, Suitable for DLC 4.0 and 5.0
 Maximum efficiency, UL recognized module and ROHS compliant
 Quick release push pin connectors on board
 Rated for 86 - 1200 mA constant current per board



ARCHLIT 1'

"4 boards make a complete circle"

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C022NI142162278	5000K	C022NI142162508
3000K	C022NI142162308	6000K	C022NI142162608
3500K	C022NI142162358	6500K	C022NI142162658
4000K	C022NI142162408		

For 90 CRI modules the last digit changes to 9 (e.g. C022NI142162659)

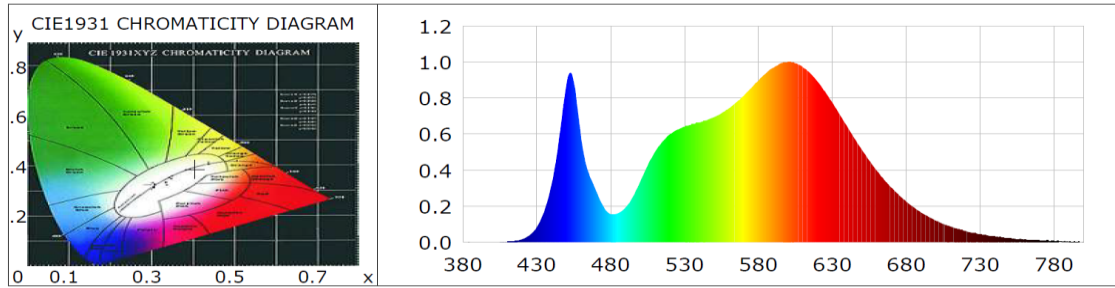
2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	3060 lm	5870 lm	6710 lm
	3500K	3130 lm	6000 lm	6860 lm
	4000K	3140 lm	6020 lm	6880 lm
	5000K	3250 lm	6170 lm	7050 lm
Efficacy	3000K	187 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		520 mA	1.04 A	1.20 A
Forward VOLTAGE		31.35 V_{DC}	33.77 V_{DC}	34.43 V_{DC}
POWER		16.30 W	35.12 W	41.31 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning



3- Light Source Test Report



Product Spec	34VDC, 195mA, CC	Voltage	31.43 V
Current	0.1292A	Power	4.08 W
Luminous Flux	840.55 lm	Efficiency	205.87 lm/W
Radiant Power	2.49 W	EEL	0.06

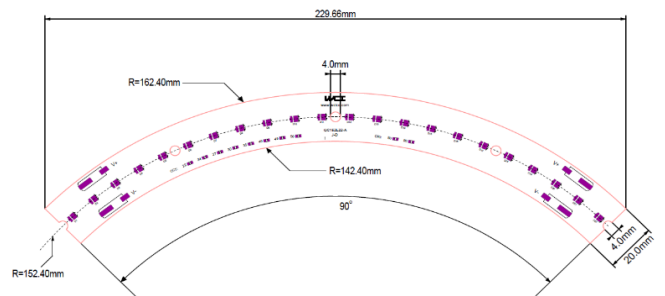
Energy Efficiency Class: A++ (EU 874-2012)

4- Colorimetric Parameters

Chromaticity coordinates	x=0.4055 y=0.3893	Color Ratio	R=0.205 G=0.768 B=0.026
Peak Wavelength	601.2nm	Half Bandwidth	141.7nm
Dominant Wavelength	581.2nm	Color Purity	0.386
Color Quality Scale	Qa= 82.7, Qf= 82.5, Qp= 83.7, Qg= 94.6		

5- Module Dimension

LED Radius	152.40 mm
Width	20.00 mm
Height	3.70 mm
PCB Thickness	1.60 mm
PCB Material	Aluminum



Inner Radius = 142.40 mm Outer Radius = 162.40 mm

Configuration: 11S x 2P – 22 LEDs

LED chip: NICHIA 757 or customizable to any other LED brand in 3030 package with similar foot print

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.



ARCHLIT CLASS DESCRIPTION

Designed for a circle applications with easy installation process
 Suitable for DLC 4.0 and 5.0
 Maximum efficiency, UL recognized module and ROHS compliant
 Quick release push pin connectors on board
 Rated for 86 - 1750 mA constant current per board

ARCHLIT 2'

"4 boards make a complete circle"

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI294314278	5000K	C042NI294314508
3000K	C042NI294314308	6000K	C042NI294314608
3500K	C042NI294314358	6500K	C042NI294314658
4000K	C042NI294314408		

For 90 CRI modules the last digit changes to 9 (e.g. C042NI294314659)

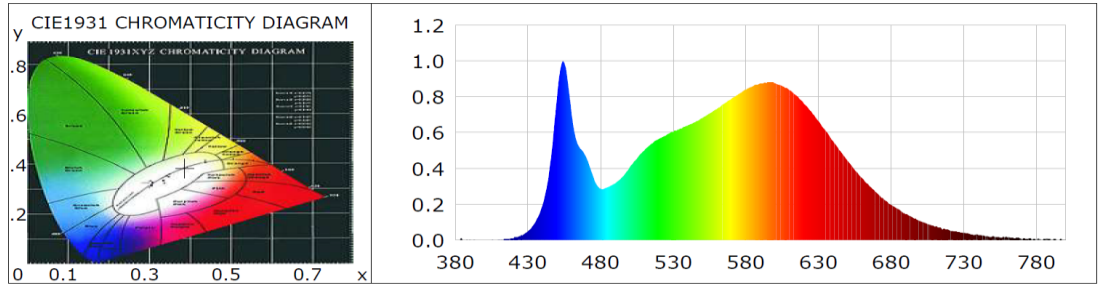
2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	5840 lm	11200 lm	12810 lm
	3500K	5980 lm	11460 lm	13110 lm
	4000K	6000 lm	11490 lm	13140 lm
	5000K	6210 lm	11780 lm	13460 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		780 mA	1.56 A	1.80 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		31.12 W	67.0 W	78.87 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning



3- Light Source Test Report



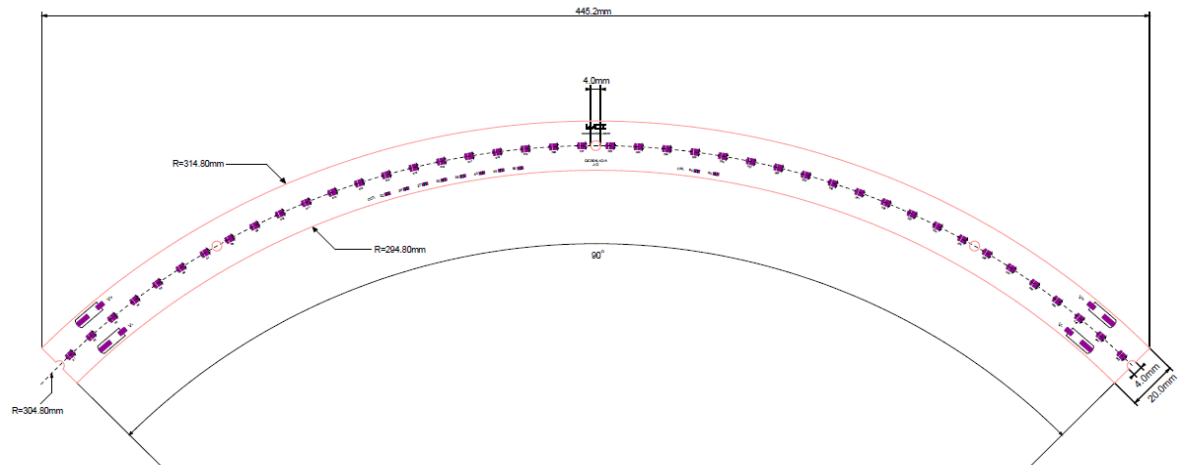
Product Spec	42V, 3500K, 80CRI	Voltage	40.08 V
Current	0.1952A	Power	7.82 W
Luminous Flux	1591.23 lm	Efficiency	203.40 lm/W
Radiant Power	4.723 W	EEL	0.07

Energy Efficiency Class: A++ (EU 874-2012)

4- Colorimetric Parameters

Chromaticity coordinates	x=0.4056 y=0.3891	Color Ratio	R=0.206 G=0.768 B=0.026
Peak Wavelength	601.9 nm	Half Bandwidth	141.4 nm
Dominant Wavelength	581.3 nm	Color Purity	0.385
Color Quality Scale	Qa= 82.7, Qf= 82.5, Qp= 81.1, Qg= 94.6		

5- Module Dimension



Schematic Circuit: 14S x 3P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.



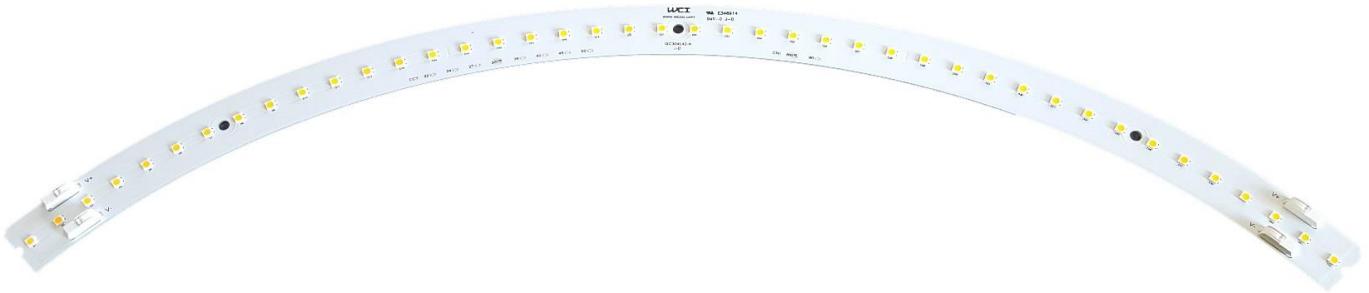
LED Radius	304.80 mm
Width	20.00 mm
Hights	3.70 mm
PCBThickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 294.80 mm Outer Radius = 314.80 mm

ARCHLIT 3'

“6 boards make a complete circle”

Designed for a circle applications with easy installation process
 Suitable for retrofit projects, Suitable for DLC 4.0 and 5.0
 Maximum efficiency, UL recognized module and ROHS compliant
 Quick release push pin connectors on board
 Rated for 58 – 2700 mA constant current per board



1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI447467278	5000K	C042NI447467508
3000K	C042NI447467308	6000K	C042NI447467608
3500K	C042NI447467358	6500K	C042NI447467658
4000K	C042NI447467408		

For 90 CRI modules the last digit changes to 9 (e.g. L014CR138019659)



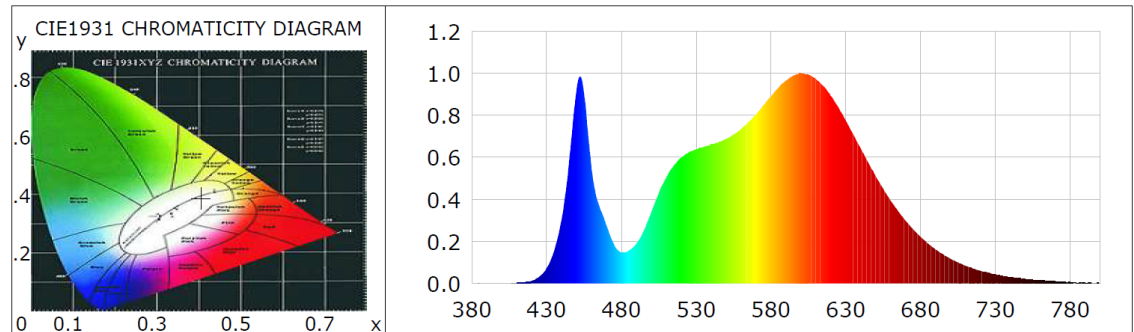


2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	8770 lm	16800 lm	19220 lm
	3500K	8970 lm	17190 lm	19660 lm
	4000K	8990 lm	17230 lm	19720 lm
	5000K	9320 lm	17670 lm	20180 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		1.17 A	2.34 A	2.70 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		46.68 W	100.57 W	118.30 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning

3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

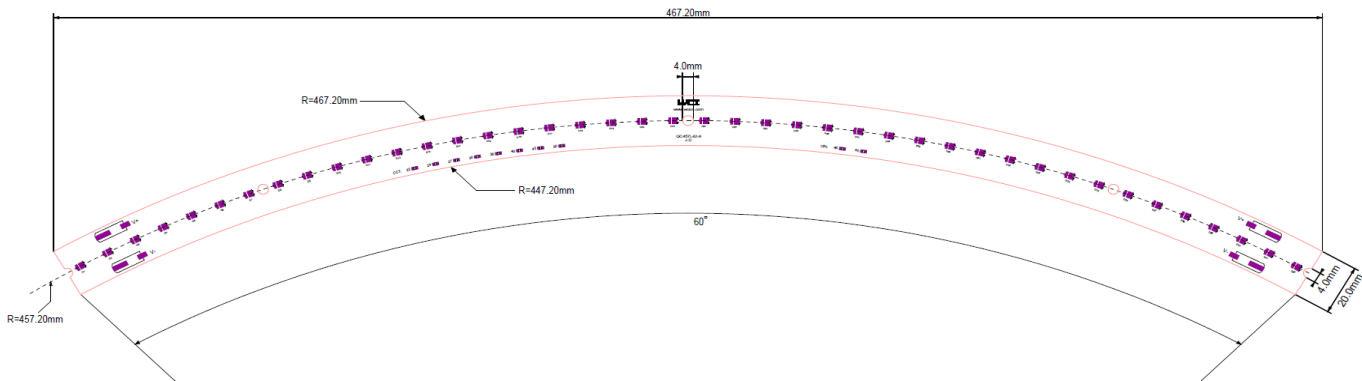
Product Spec	42V, 3500K, 80CRI	Voltage	39.998 V
Current	0.1949A	Power	7.80 W
Luminous Flux	1586.38 lm	Efficiency	203.51 lm/W
Radiant Power	4.702 W	EEL	0.07



4- Colorimetric Parameters

Chromaticity coordinates	x=0.4054 y=0.3893	Color Ratio	R=0.205 G=0.769 B=0.026
Peak Wavelength	599.5 nm	Half Bandwidth	141.2 nm
Dominant Wavelength	581.2 nm	Color Purity	0.385
Color Quality Scale	Qa= 82.6, Qf= 82.4, Qp= 81.1, Qg= 94.6		

5- Module Dimension



LED Radius	457.20 mm
Width	20.00 mm
Height	3.70 mm
PCB Thickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 447.20 mm Outer Radius = 467.20 mm
 Schematic Circuit: 14S x 3P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.





ARCHLIT 4'

"8 boards make a complete circle"

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI599619278	5000K	C042NI599619508
3000K	C042NI599619308	6000K	C042NI599619608
3500K	C042NI599619358	6500K	C042NI599619658
4000K	C042NI599619408		

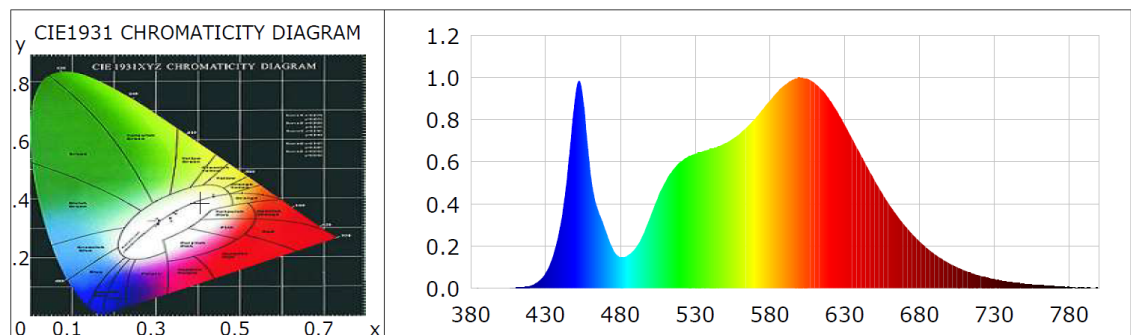
For 90 CRI modules the last digit changes to 9 (e.g. C042NI119320659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	11690 lm	22400 lm	25630 lm
	3500K	11960 lm	22920 lm	26220 lm
	4000K	11990 lm	22980 lm	26290 lm
	5000K	12430 lm	23570 lm	26910 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		1.56 A	3.12 A	3.60 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		62.24 W	134 W	157.75 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning

3- Light Source Test Report



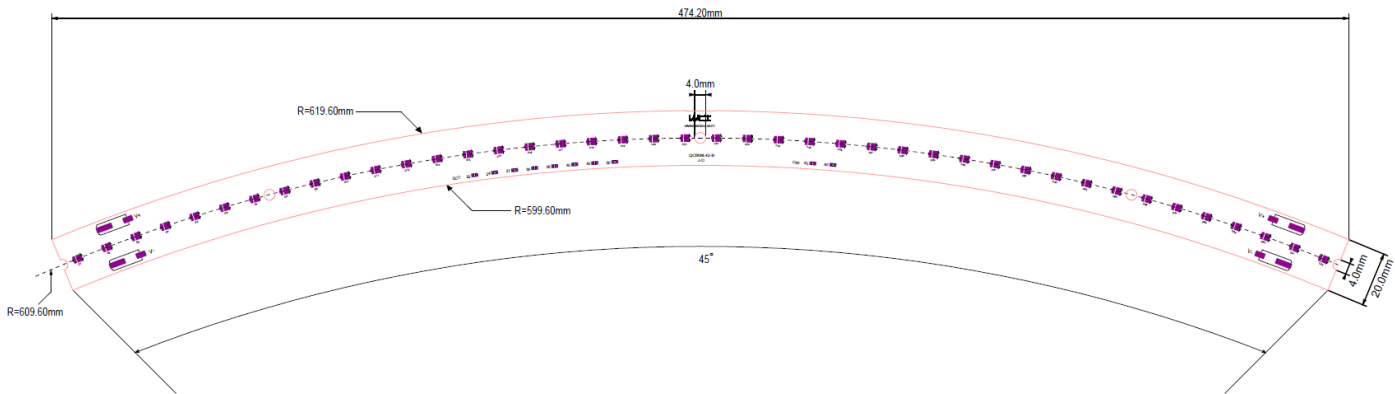
Energy Efficiency Class: A++ (EU 874-2012)



4- Colorimetric Parameters

Chromaticity coordinates	x=0.4053 y=0.3886	Color Ratio	R=0.206 G=0.78 B=0.026
Peak Wavelength	452.2 nm	Half Bandwidth	17.1 nm
Dominant Wavelength	581.3 nm	Color Purity	0.383
Color Quality Scale	Qa= 82.7, Qf= 82.5, Qp= 83.9, Qg= 94.8		

5- Module Dimension



LED Radius	609.60 mm
Width	20.00 mm
Height	3.70 mm
PCB Thickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 599.60 mm Outer Radius = 619.60 mm
Schematic Circuit: 14S x 3P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.





ARCHLIT 5'

"10 boards make a complete circle"

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI752772278	5000K	C042NI752772508
3000K	C042NI752772308	6000K	C042NI752772608
3500K	C042NI752772358	6500K	C042NI752772658
4000K	C042NI752772408		

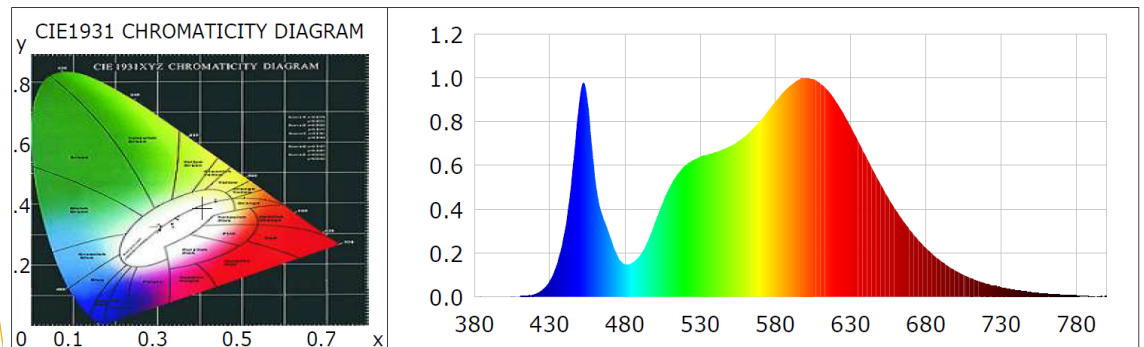
For 90 CRI modules the last digit changes to 9 (e.g. C042NI752772659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	14610 lm	28000 lm	32030 lm
	3500K	14950 lm	28650 lm	32770 lm
	4000K	14990 lm	28730 lm	32860 lm
	5000K	15540 lm	29460 lm	33640 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		1.95 A	3.90 A	4.50 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		77.80 W	167.62 W	197.19 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning

3- Light Source Test Report



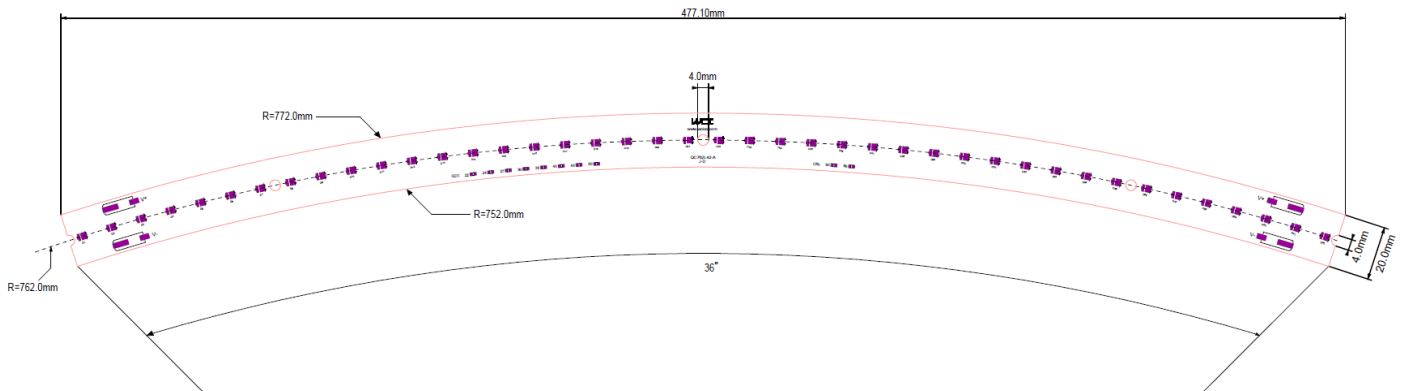
Energy Efficiency Class: A++ (EU 874-2012)



4- Colorimetric Parameters

Chromaticity coordinates	x=0.4058 y=0.3898	Color Ratio	R=0.205 G=0.769 B=0.026
Peak Wavelength	601.8 nm	Half Bandwidth	141.5 nm
Dominant Wavelength	581.2 nm	Color Purity	0.388
Color Quality Scale	Qa= 82.7, Qf= 82.5, Qp= 83.6, Qg= 94.5		

5- Module Dimension



LED Radius	762.00 mm
Width	20.00 mm
Height	3.70 mm
PCB Thickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 752.00 mm Outer Radius = 772.00 mm
Schematic Circuit: 14S x 3P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.





ARCHLIT 6'

“12 boards make a complete circle”

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI100320278	5000K	C042NI100320508
3000K	C042NI100320308	6000K	C042NI100320608
3500K	C042NI100320358	6500K	C042NI100320658
4000K	C042NI100320408		

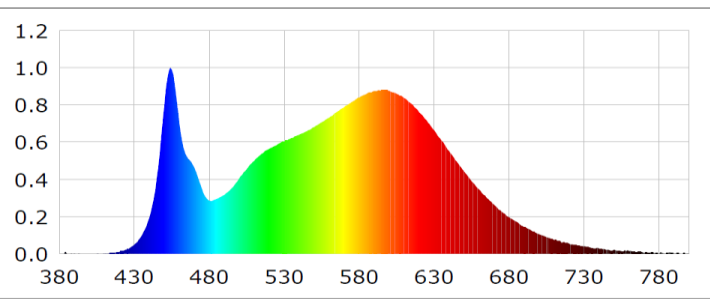
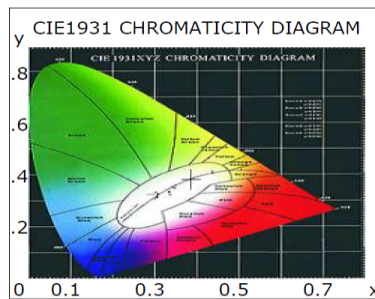
For 90 CRI modules the last digit changes to 9 (e.g. C042NI100320659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	17540 lm	33600 lm	38440 lm
	3500K	17940 lm	34370 lm	39320 lm
	4000K	17990 lm	34470 lm	39430 lm
	5000K	18650 lm	35350 lm	40370 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		2.34 A	4.68 A	5.40 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		93.36 W	201.14 W	236.63 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning

3- Light Source Test Report





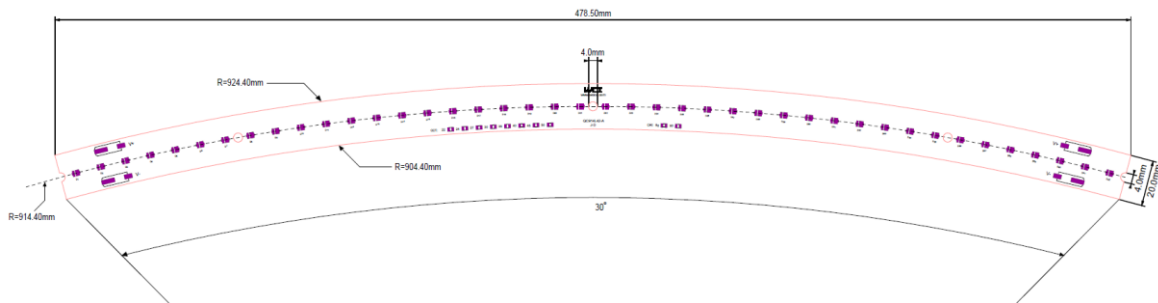
Product Spec	42V, 3500K, 80CRI	Voltage	40.145V
Current	0.1950A	Power	7.83 W
Luminous Flux	1635.14 lm	Efficiency	208.88 lm/W
Radiant Power	4.798 W	EEl	0.07

Energy Efficiency Class: A++ (EU 874-2012)

4- Colorimetric Parameters

Chromaticity coordinates	x=0.4082 y=0.3947	Color Ratio	R=0.204 G=0.772 B=0.024
Peak Wavelength	601.9 nm	Half Bandwidth	142.2 nm
Dominant Wavelength	580.5 nm	Color Purity	0.410
Color Quality Scale	Qa= 82.5, Qf= 82.5, Qp= 83.2, Qg= 94.2		

5- Module Dimension



LED Radius	914.40 mm
Width	20.00 mm
Height	3.70 mm
PCB Thickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 904.40 mm Outer Radius = 924.40 mm
Schematic Circuit: 14S x 3P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides eases the process of installation.





ARCHLIT 8'

"16 boards make a complete circle"

1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI119320278	5000K	C042NI119320508
3000K	C042NI119320308	6000K	C042NI119320608
3500K	C042NI119320358	6500K	C042NI119320658
4000K	C042NI119320408		

For 90 CRI modules the last digit changes to 9 (e.g. C042NI119320659)

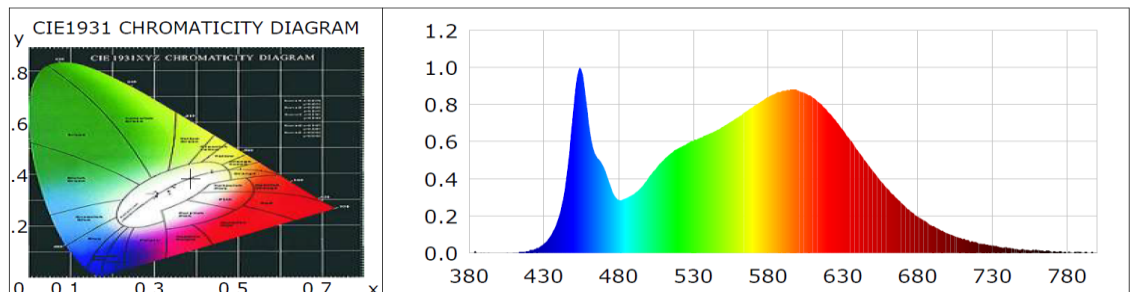
2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating 65 mA per LED	Rating at 130 mA per LED	Max Rating 150mA per LED
Flux	3000K	23380 lm	44800 lm	51250 lm
	3500K	23920 lm	45830 lm	52430 lm
	4000K	23990 lm	45960 lm	52580 lm
	5000K	24860 lm	47140 lm	53830 lm
Efficacy	3000K	188 lm/W	167 lm/W	162 lm/W
	3500K	192 lm/W	171 lm/W	166 lm/W
	4000K	193 lm/W	172 lm/W	167 lm/W
	5000K	199 lm/W	176 lm/W	170 lm/W
Forward CURRENT		3.12 A	6.24 A	7.20 A
Forward VOLTAGE		39.90 V_{DC}	42.98 V_{DC}	43.82 V_{DC}
POWER		124.48 W	268.20 W	315.50 W

All calculations are based on using Nichia 757GT-V3, 80CRI, 3 step binning

3- Light Source Test Report

Energy Efficiency Class: A++ (EU 874-2012)



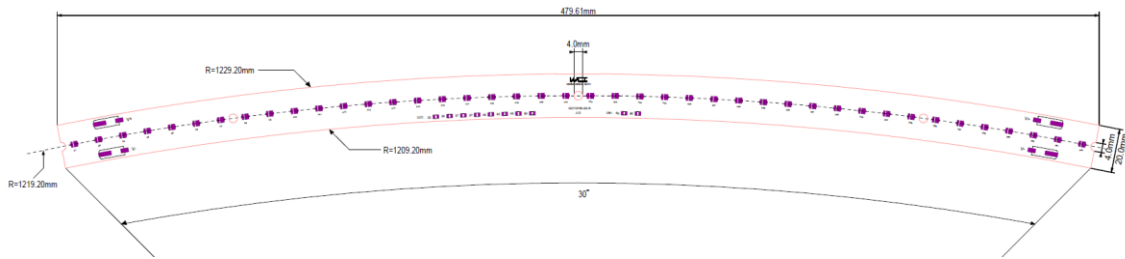


Product Spec	42V, 3500K, 80CRI	Voltage	40.031V
Current	0.1951A	Power	7.81 W
Luminous Flux	1594.12 lm	Efficiency	204.11 lm/W
Radiant Power	4.729 W	EEL	0.07

4- Colorimetric Parameters

Chromaticity coordinates	x=0.4058 y=0.3895	Color Ratio	R=0.205 G=0.768 B=0.026
Peak Wavelength	599.9 nm	Half Bandwidth	141.4 nm
Dominant Wavelength	581.2 nm	Color Purity	0.387
Color Quality Scale	Qa= 82.7, Qf= 82.5, Qp= 83.7, Qg= 94.5		

5- Module Dimension



LED Radius	1219.20 mm
Width	20.00 mm
Highs	3.70 mm
PCBThickness	1.60 mm
PCB Material	Aluminum

Inner Radius = 1209.20 mm Outer Radius = 1229.20 mm
Schematic Circuit: 14S x 3P – 42 LEDs