



CUSTOMIZE YOUR LUMINARE

ARCLIT CLASS SPECIFICATION

Standard Colors

2700K 3000K 3500K
4000K 5000K

Standard CRIs

80 - 90

Module Codes

1'
C022NI142162

2'
C042NI294314

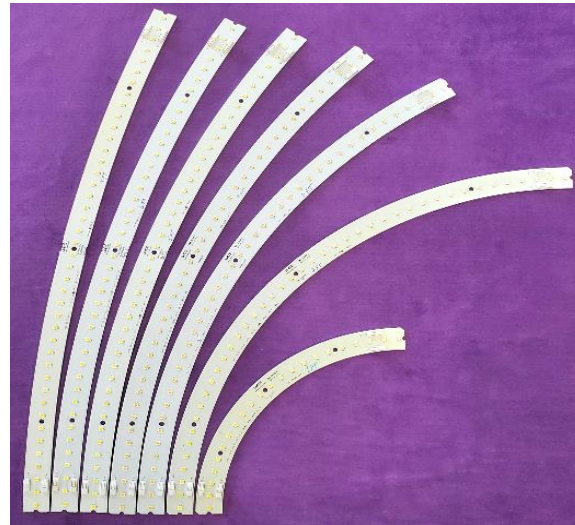
3'
C042NI447467

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





ARCLIT 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



ARCLIT 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)

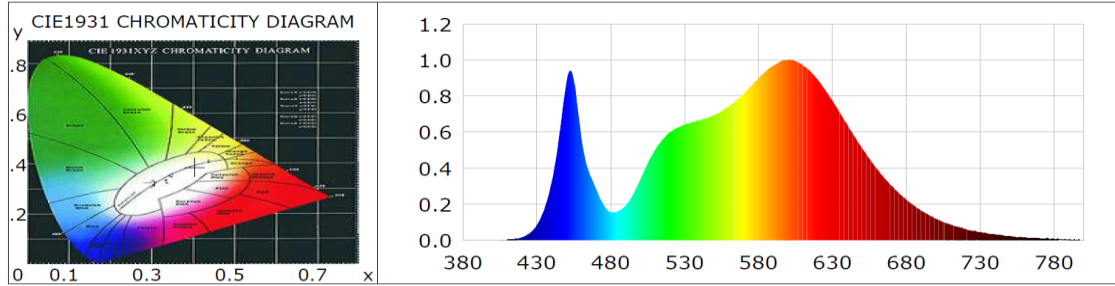
2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	1920 lm	3640 lm
	3500K	1936 lm	3672 lm
	4000K	1960 lm	3720 lm
	5000K	2032 lm	3848 lm
Efficacy	3000K	183 lm/W	162 lm/W
	3500K	185 lm/W	163 lm/W
	4000K	189 lm/W	167 lm/W
	5000K	194 lm/W	171 lm/W
Forward CURRENT		350mA	700mA
Forward VOLTAGE		34 Vdc	34 Vdc
POWER		10.5 W	22.5 W

All calculations are based on using Nichia 757GT-V1, 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

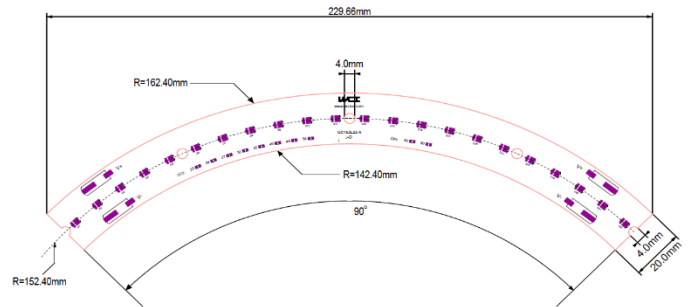
Energy Efficiency Class: A++ (EU 874-2012)

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: 2S x 11P – (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.



ARCLIT 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

ARCLIT 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)

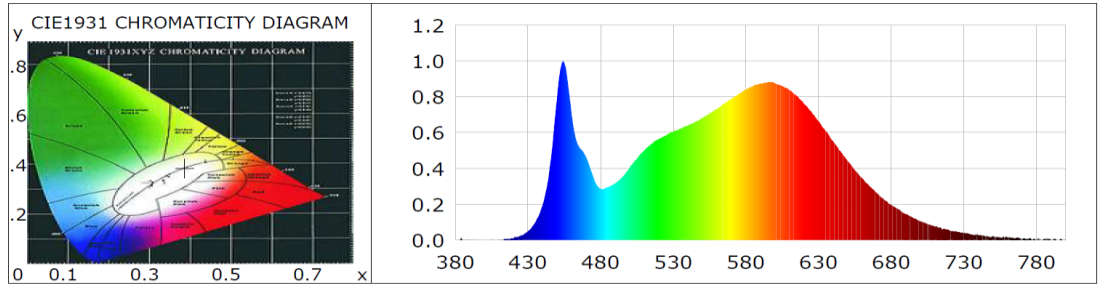
2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	4788 lm	6948 lm
	3500K	4824 lm	7008 lm
	4000K	4900 lm	7150 lm
	5000K	5064 lm	7356 lm
Efficacy	3000K	175 lm/W	162 lm/W
	3500K	177 lm/W	163 lm/W
	4000K	180 lm/W	165 lm/W
	5000K	185 lm/W	171 lm/W
Forward CURRENT		700 mA	1050 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		27.4 W	42.9 W

All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning



3- Light Source Test Report



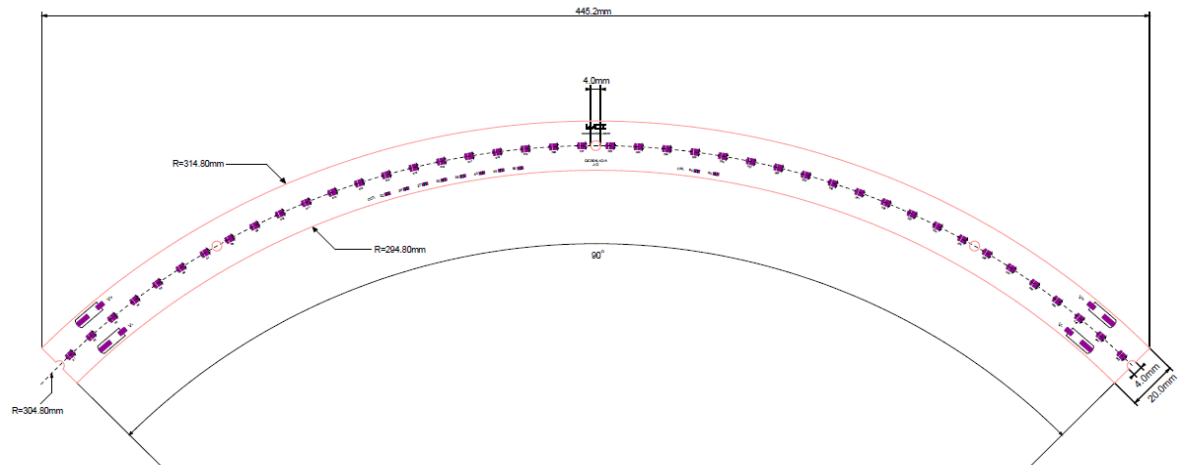
Product Spec	42V, 3500K, 80CRI	Voltage	40.08 V
Current	0.1952A	Power	7.82 W
Luminous Flux	1591.23 lm	Efficiency	203.40 lm/W
Radiant Power	4.723 W	EEL	0.07

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: 3S x 14P – 42 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Labratories.
- 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)



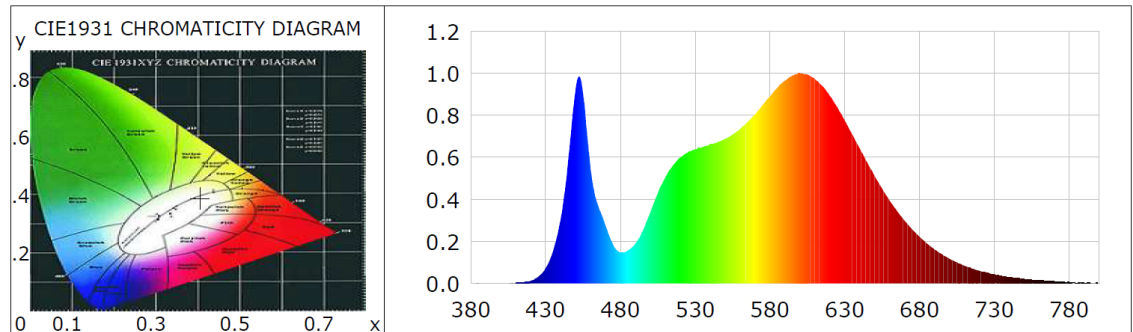


2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	6922 lm	11790 lm
	3500K	6984 lm	11880 lm
	4000K	7100 lm	11992 lm
	5000K	7038 lm	12456 lm
Efficacy	3000K	176 lm/W	157 lm/W
	3500K	178 lm/W	159 lm/W
	4000K	181 lm/W	162 lm/W
	5000K	186 lm/W	167 lm/W
Forward CURRENT		1000 mA	1800 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		39.3 W	74.9 W

All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning

3- Light Source Test Report



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

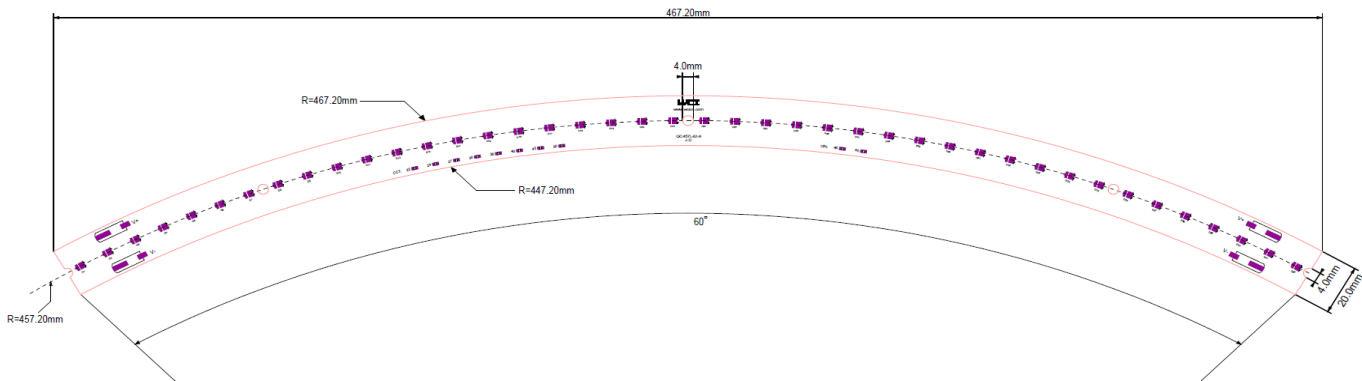
Product Spec	42V, 3500K, 80CRI	Voltage	39.998 V
Current	0.1949A	Power	7.80 W
Luminous Flux	1586.38 lm	Efficiency	203.51 lm/W
Radiant Power	4.702 W	EEl	0.07



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: 3S x 14P – 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		

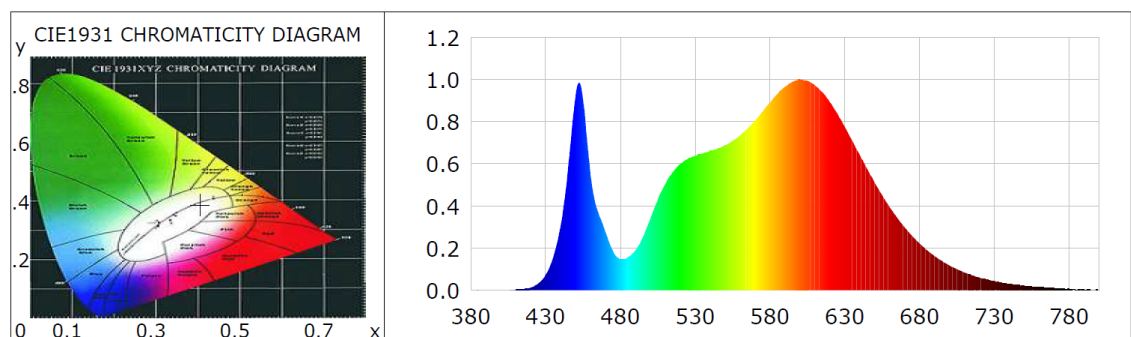
For 90 CRI modules the last digit changes to 9 (e.g. C042NI119320659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	9576 lm	13896 lm
	3500K	9672 lm	14016 lm
	4000K	9700 lm	14100 lm
	5000K	10128 lm	14712 lm
Efficacy	3000K	175 lm/W	162 lm/W
	3500K	177 lm/W	163 lm/W
	4000K	179 lm/W	165 lm/W
	5000K	185 lm/W	171 lm/W
Forward CURRENT		1400 mA	2100 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		55 W	86 W

All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning

3- Light Source Test Report



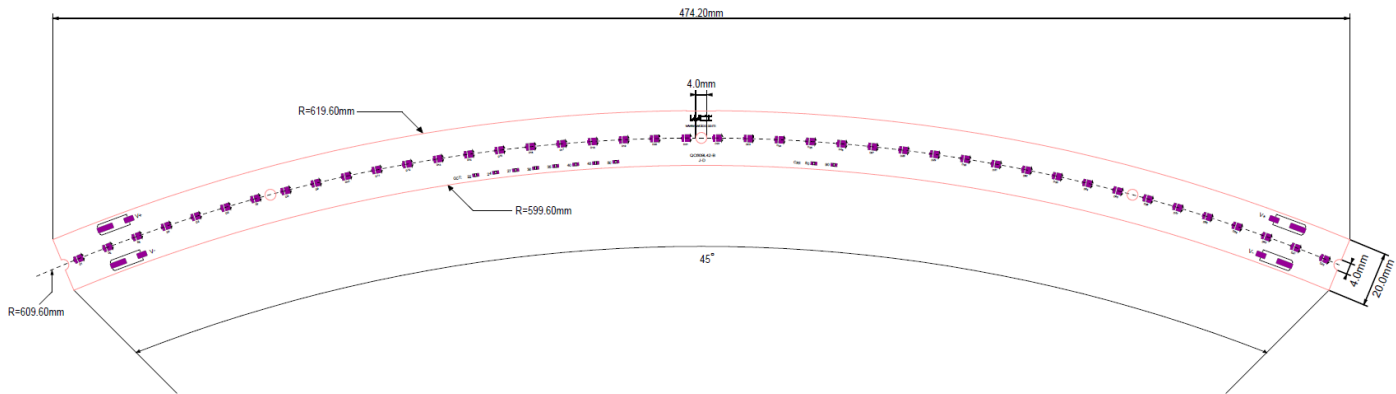
Energy Efficiency Class: A++ (EU 874-2012)



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: 3S x 14P – 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		

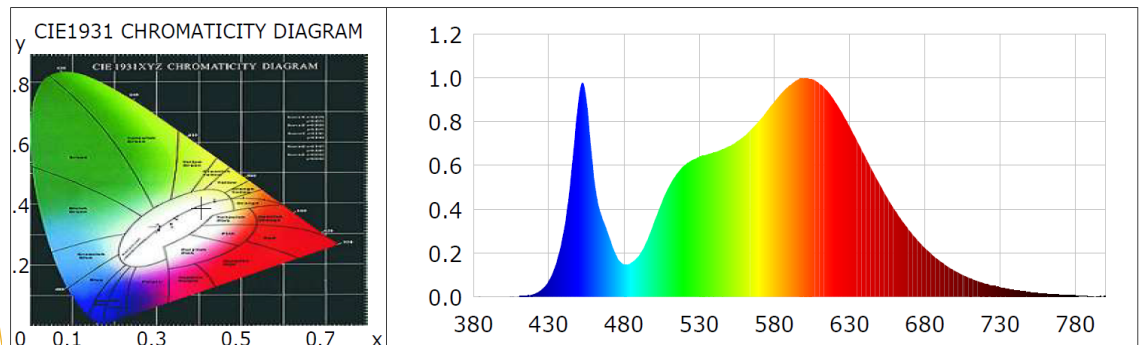
For 90 CRI modules the last digit changes to 9 (e.g. C042NI752772659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	12207 lm	17820 lm
	3500K	12390 lm	18000 lm
	4000K	12420 lm	18150 lm
	5000K	12990 lm	18870 lm
Efficacy	3000K	174 lm/W	161 lm/W
	3500K	176 lm/W	162 lm/W
	4000K	178 lm/W	164 lm/W
	5000K	184 lm/W	170 lm/W
Forward CURRENT		1800 mA	2700 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		70.5 W	110.7 W

All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning

3- Light Source Test Report



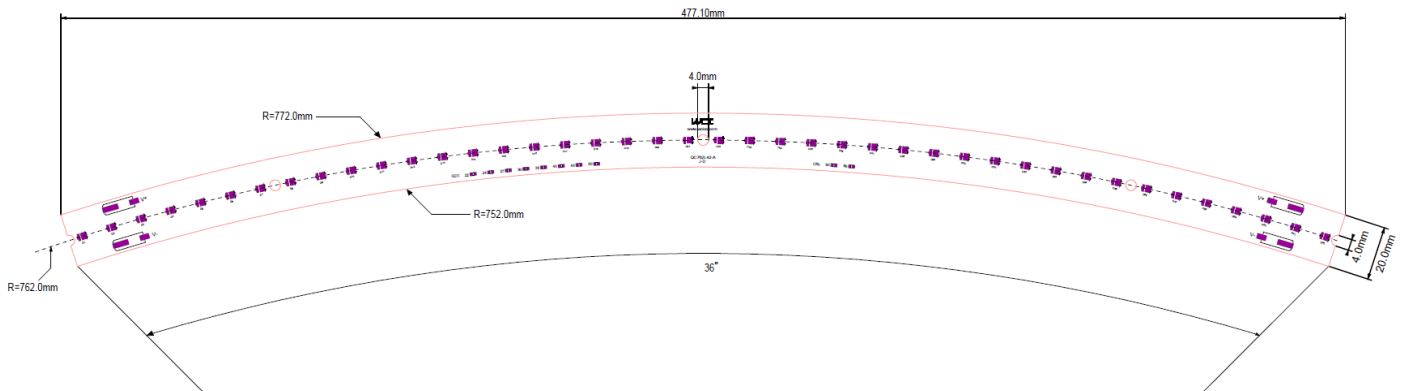
Energy Efficiency Class: A++ (EU 874-2012)



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: 3S x 14P – 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

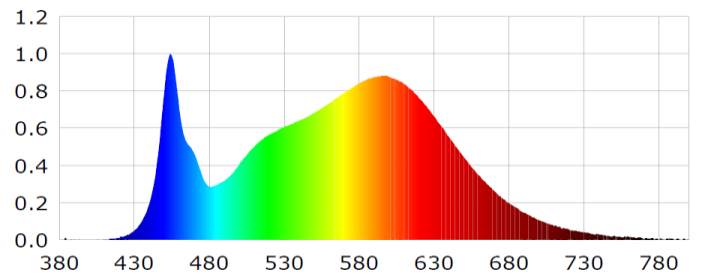
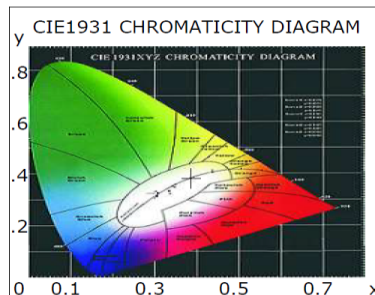
CCT	MODULE CODE	CCT	MODULE CODE
2700K	C042NI100320278	5000K	C042NI100320508
3000K	C042NI100320308	6000K	C042NI100320608
3500K	C042NI100320358	6500K	C042NI100320658
4000K	C042NI100320408		

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

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	14400 lm	20844 lm
	3500K	14544 lm	21024 lm
	4000K	14680 lm	21220 lm
	5000K	15228 lm	22068 lm
Efficacy	3000K	175 lm/W	162 lm/W
	3500K	177 lm/W	164 lm/W
	4000K	179 lm/W	166 lm/W
	5000K	185 lm/W	171 lm/W
Forward CURRENT		2100 mA	3150 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		82.1 W	129 W

3- Light Source Test Report





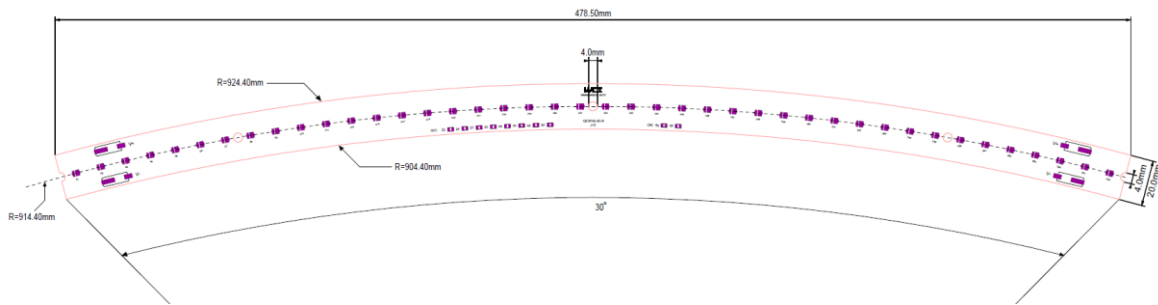
Product Spec	42V, 3500K, 80CRI	Voltage	40.145V
Current	0.1950A	Power	7.83 W
Luminous Flux	1635.14 lm	Efficiency	208.88 lm/W
Radiant Power	4.798 W	EEl	0.07

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: 3S x 14P – 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		

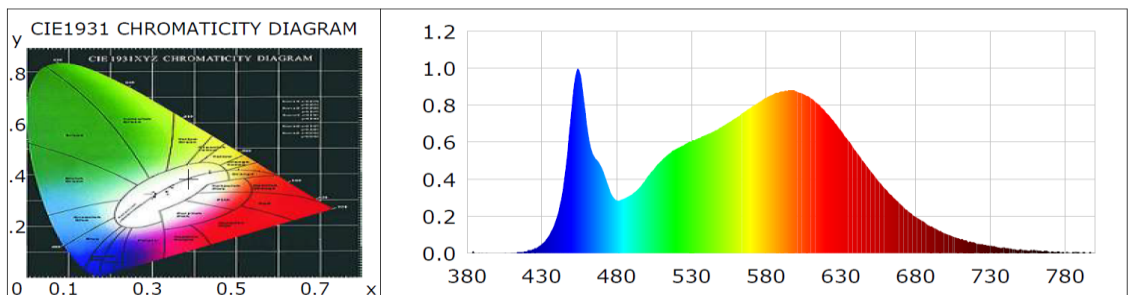
For 90 CRI modules the last digit changes to 9 (e.g. C042NI119320659)

2- Photometric Parameters per Complete System

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	18400 lm	27094 lm
	3500K	18584 lm	27324 lm
	4000K	18620 lm	27515 lm
	5000K	19458 lm	28658 lm
Efficacy	3000K	175 lm/W	161 lm/W
	3500K	177 lm/W	163 lm/W
	4000K	179 lm/W	165 lm/W
	5000K	185 lm/W	171 lm/W
Forward CURRENT		2800 mA	4100 mA
Forward VOLTAGE		42 Vdc	42 Vdc
POWER		105 W	168 W

3- Light Source Test Report

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



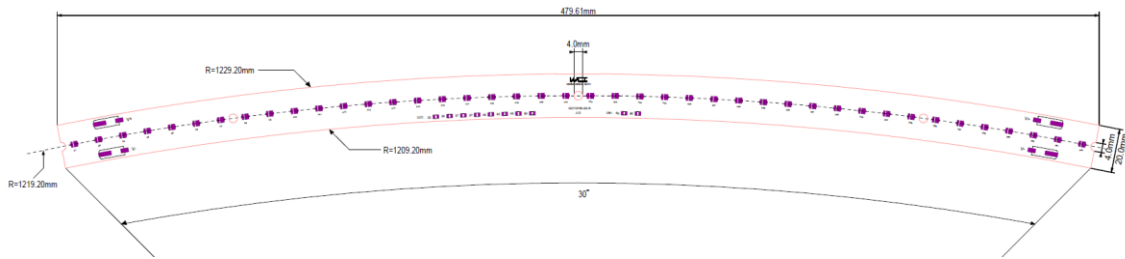


Product Spec	42V, 3500K, 80CRI	Voltage	40.031V
Current	0.1951A	Power	7.81 W
Luminous Flux	1594.12 lm	Efficiency	204.11 lm/W
Radiant Power	4.729 W	EEL	0.07

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: 3S x 14P – 42 LEDs