STARLIT CLASS SPECIFICATION

Standard Colors

2700K 3000K 3500K 4000K

5000K 6000K 6500K

Standard CRIs

80 - 90

Module Codes

22”
L056CR558019

11”
L028CR278019

5.5”
L014CR138019

Suitable for T8 Retrofit, Linear applications
Office Lighting, High Bay, Low Bay Troffers
General Illumination, Warehouse Lighting

Launched in 3 lengths: 22, 11, 5.5 Inches
Nano connectors with wire release function

Top of the line EFFICACY

Up to **210** Lumen per Watt

2530 Calcite Circle, Newbury Park, CA 91320 USA | 805.499.9513 | sales@wcico.com | www.wcico.com

MADE IN CALIFORNIA

STARLIT CLASS DESCRIPTION

Designed for a wide range of Linear applications
Suitable for T8 retrofit projects
Suitable for DLC 4.0 and 5.0
Maximum efficiency, UL recognized module and ROHS compliant
Direct-touch PCB in order to have better heat dissipation
Quick release NANO push pin connectors on board
Rated for 100 - 800 mA constant current

STARLIT 22”

1- Module Code

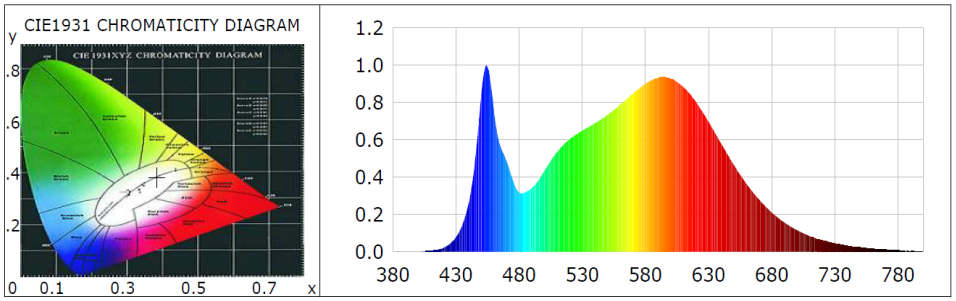
CCT	MODULE CODE	CCT	MODULE CODE
2700K	L056CR558019278	5000K	L056CR558019508
3000K	L056CR558019308	6000K	L056CR558019608
3500K	L056CR558019358	6500K	L056CR558019658
4000K	L056CR558019408		

For 90 CRI modules the last digit changes to 9 (e.g. L056CR558019659)

2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	2456 lm	4580 lm
	3500K	2488 lm	4648 lm
	4000K	2568 lm	4800 lm
	5000K	2600 lm	4864 lm
Efficacy	3000K	177 lm/W	156 lm/W
	3500K	179 lm/W	159 lm/W
	4000K	185 lm/W	164 lm/W
	5000K	187 lm/W	166 lm/W
Forward CURRENT		350mA	700mA
Forward VOLTAGE		39.6 Vdc	41.7 Vdc
POWER		13.88 W	29.24 W

3- Light Source Test Report



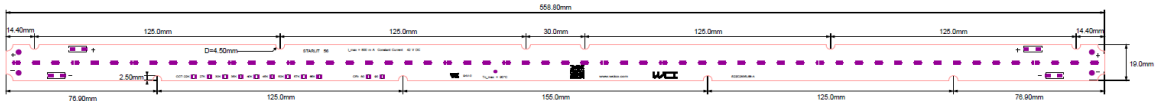
Product Spec	42V, 4000K, 80CRI	**Voltage**	37.607V
Current	0.1200A	**Power**	4.51W
Luminous Flux	942.06 lm	**Efficiency**	208.79 lm/W
Radiant Power	2.816 W	**EEI**	0.06

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

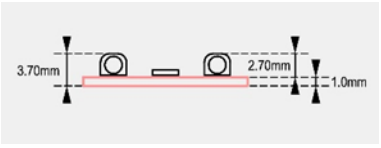
4- Colorimetric Parameters

Chromaticity coordinates	x=0.3860 y=0.3857	**Color Ratio**	R=0.185 G=0.776 B=0.039
Peak Wavelength	454.8nm	**Half Bandwidth**	22.4nm
Dominant Wavelength	578.1nm	**Color Purity**	0.316
Color Quality Scale		Qa= 83.0, Qf= 83.5, Qp= 81.0, Qg= 89.9	

5- Module Dimension



Length	558.80 mm
Width	19.00 mm
Hights	3.70 mm
PCBThickness	1.00 mm
PCB Material	Aluminum



Schematic Circuit: 4S x 14P – total 56 LEDs

i. Lightsource Test Report is presented by World Class Illumination Labratories.
ii. Performance temperatures are measured on Tc point as indicated on the module.
iii. 2 push-in connectors on both sides eases the process of installation.

STARLIT CLASS DESCRIPTION

Designed for a wide range of Linear applications
Suitable for T8 retrofit projects
Suitable for DLC 4.0 and 5.0
Maximum efficiency, UL recognized module and ROHS compliant
Direct-touch PCB technology in order to have better heat dissipation
Low profile connectors on board
Rated for 50 - 400 mA constant current

STARLIT 11”

3- Module Code

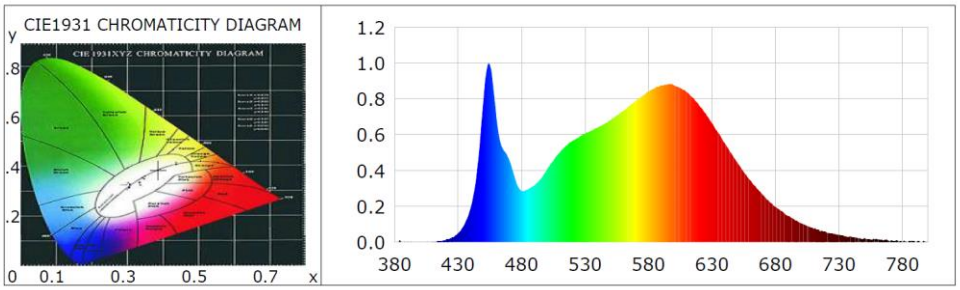
CCT	MODULE CODE	CCT	MODULE CODE
2700K	L028CR278019278	5000K	L028CR278019508
3000K	L028CR278019308	6000K	L028CR278019608
3500K	L028CR278019358	6500K	L028CR278019658
4000K	L028CR278019408		

For 90 CRI modules the last digit changes to 9 (e.g. L028CR278019659)

4- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	1228 lm	2292 lm
	3500K	1244 lm	2324 lm
	4000K	1284 lm	2400 lm
	5000K	1302 lm	2432 lm
Efficacy	3000K	177 lm/W	156 lm/W
	3500K	179 lm/W	158 lm/W
	4000K	185 lm/W	164 lm/W
	5000K	187 lm/W	166 lm/W
Forward CURRENT		175 mA	350 mA
Forward VOLTAGE		39.62 Vdc	41.72 Vdc
POWER		6.94 W	14.06 W

3- Light Source Test Report



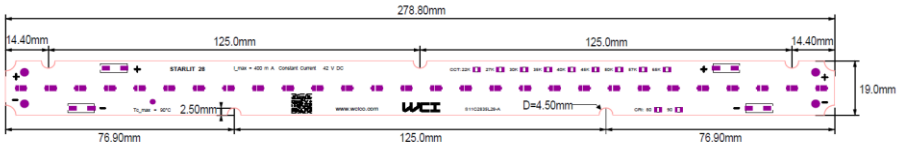
Product Spec	42V, 4000K, 80CRI	**Voltage**	37.59V
Current	0.059A	**Power**	1.41W
Luminous Flux	474.82 lm	**Efficiency**	210.84 lm/W
Radiant Power	1.417 W	**EEI**	0.05

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

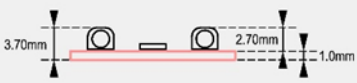
4- Colorimetric Parameters

Chromaticity coordinates	x=0.3847 y=0.3860	**Color Ratio**	R=0.186 G=0.776 B=0.038
Peak Wavelength	454.1nm	**Half Bandwidth**	20.8nm
Dominant Wavelength	578.3nm	**Color Purity**	0.320
Color Quality Scale		Qa= 83.0, Qf= 83.5, Qp= 81.1, Qg= 90.2	

5- Module Dimension



Length	278.80 mm
Width	19.00 mm
Hights	3.70 mm
PCBThickness	1.00 mm
PCB Material	Aluminum



Schematic Circuit: 2S x 14P – total 28 LEDs

i. Lightsource Test Report is presented by World Class Illumination Labratories.
ii. Performance temperatures are measured on Tc point as indicated on the module.
iii. 2 push-in NANO connectors on both sides eases the process of installation.

STARLIT CLASS DESCRIPTION

Designed for a wide range of Linear applications
Suitable for T8 retrofit projects
Suitable for DLC 4.0 and 5.0
Maximum efficiency, UL recognized module and ROHS compliant
Direct-touch PCB technology in order to have better heat dissipation
Low-profile push pin connectors on board
Rated for 25 - 200 mA constant current

STARLIT 5.5”

5- Module Code

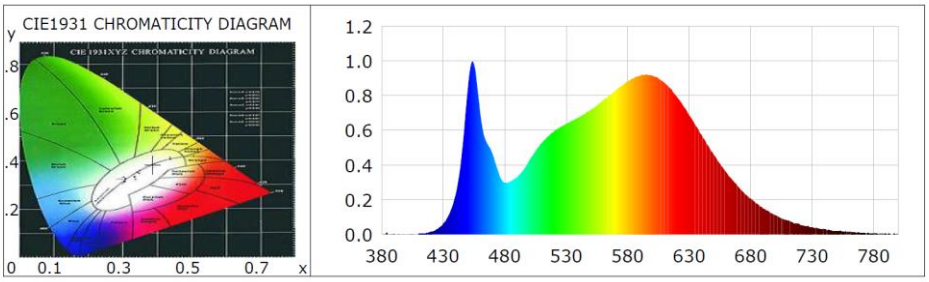
CCT	MODULE CODE	CCT	MODULE CODE
2700K	L014CR138019278	5000K	L014CR138019508
3000K	L014CR138019308	6000K	L014CR138019608
3500K	L014CR138019358	6500K	L014CR138019658
4000K	L014CR138019408		

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

6- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	614 lm	1146 lm
	3500K	622 lm	1162 lm
	4000K	642 lm	1200 lm
	5000K	651 lm	1216 lm
Efficacy	3000K	177 lm/W	156 lm/W
	3500K	179 lm/W	158 lm/W
	4000K	185 lm/W	164 lm/W
	5000K	187 lm/W	166 lm/W
Forward CURRENT		87.50 mA	175 mA
Forward VOLTAGE		39.62 Vdc	41.72 Vdc
POWER		3.47 W	7.31 W

3- Lightsource Test Report



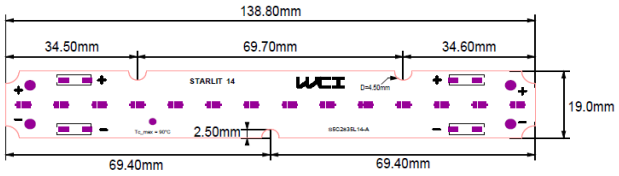
Product Spec	42V, 4000K, 80CRI	**Voltage**	37.58 V
Current	0.029 A	**Power**	1.12 W
Luminous Flux	236.08 lm	**Efficiency**	210.79 lm/W
Radiant Power	0.703 W	**EEI**	0.04

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

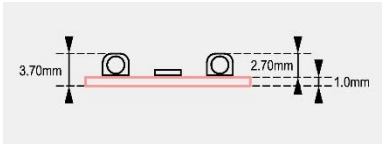
4- Colorimetric Parameters

Chromaticity coordinates	x=0.3873 y=0.3872	**Color Ratio**	R=0.185 G=0.776 B=0.038
Peak Wavelength	454.4nm	**Half Bandwidth**	21.8nm
Dominant Wavelength	578.1nm	**Color Purity**	0.324
Color Quality Scale		Qa= 83.0, Qf= 83.5, Qp= 80.9, Qg= 89.9	

5- Module Dimension



Length	138.80 mm
Width	19.00 mm
Hights	3.70 mm
PCBThickness	1.00 mm
PCB Material	Aluminum



Schematic Circuit: S x 14P – total 14 LEDs

iv. Lightsource Test Report is presented by World Class Illumination Labratories.
v. Performance temperatures are measured on Tc point as indicated on the module.
vi. 2 push-in connectors on both sides eases the process of installation.