



Details | Specifications for Stream Dot



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360



CHIPS Nichia, Model #NT2W757GRRT
03-19-2018 - [DOWNLOAD HERE](#)

LUMEN MAINTENANCE

Compares amount of light produced from a luminaire when new to the amount of light produced at a specific time in the future. Eg. if a luminaire produced 1000 lumens new and now produces 700 lumens of light after 30,000 hours, L70 would equal 30,000 hours.

L70 200,000+ hours at 105 C°

L90 100,000+ hours at 105 C°

NOTE: LED chip life is impacted by ambient temperature, dimming, case temperature and drive current. Reduction of these elements increases life and vice versa.

REPLACEMENT All Prudential Ltg LED fixtures are designed with field-replaceable LED modules and drivers.

DRIVER All drivers are Constant Current (Constant Voltage currently N/A, consult factory for large projects)

DIMMING Standard Magtech drivers are 4in1 dimming (Triac, 0-10V, ELV and PWM).

THD <20% THD when loaded to a minimum of 60% Drivers sink a maximum of 1mA per driver

PROG
(OPTIONAL)

Programmable light output. Specify desired lumens or watts. Min: 5 ft, consult factory for requests above 18 w.

BINNING

Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse, with +/- 5% lumen output range and +/- .004 Duv.

PRUBIN™
(OPTIONAL)

Prudential Ltg's exclusive 'job binning' method that ensures color temperature consistency across all luminaires on a project. Meticulously testing and labeling EVERY LED BOARD to +/- 25 lumens, +/- 50k CCT and +/- .004 Duv — while also separating positive from negative — allows us to match color, hue and intensity throughout a project and provides a consistent color temperature within a 2-step MacAdams ellipse.

COLOR

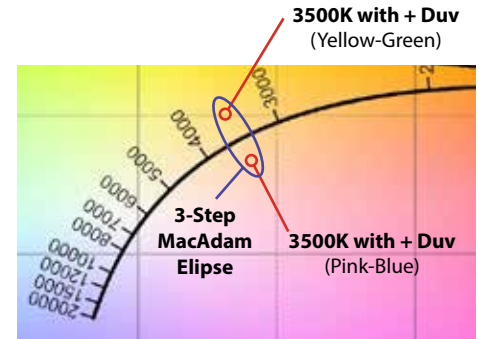
See next page for detailed CRI specs. Fixtures with identical CCT and CRI may still appear to be different colors because of Duv. Duv defines how far an LED light source deviates from the black body source. +Duv has a green hue, -Duv is pinkish. Our exclusive Prubin process bins +/- .004 Duv ensuring a consistency in hue (as well as color and brightness).

WARRANTY

Single-source, 5 year limited warranty covers standard components and construction

DIMMERS	MODEL	TYPE
Leviton	6631	Triac
Lutron	SCL-153P	Triac
Lutron Diva	DVSTV	0-10v
Lutron	DVELV-300P	ELV

NOTE: Chart at left is for Osram 0-10V dimmers. The absence of a dimmer from this chart does not necessarily imply incompatibility. Most 0-10v dimmers are compatible with Osram drivers.



Drivers are linked to manufacturer spec sheets

DRIVERS	BRAND	MODEL	PART #	WATTS	CODE
Triac 1% Dimming (Also 0-10v, ELV, PWM)	MagTech	MD22	U24-42	Varies	DM1T
0-10v, 1% Dimming	Osram	Optotronic	79405	25w	DM01
EcoSystem 5%	Lutron	5 Series	Consult factory	10-20w	LDE5
EcoSystem 1% Soft Fade to Black	Lutron	Hi-Lume	Consult factory	5-20w	LDE1
1% 0-10v	EldoLED	ECOdrive	ECOx6151	10w or 20w	ECO
1% DALI	EldoLED	ECOdrive	ECOx6051	10w or 20w	ECDA
0.1% 0-10v, Dim to Dark	EldoLED	SOLOdrive	SLOx6151	10w or 20w	SOLO
0.1% DALI, Dim to Dark	EldoLED	SOLOdrive	SLOx6051	10w or 20w	SODA
Emergency	Bodine	BSL310		4w	EML
Emergency (30' remote range)	Iota	ILB-CP Series	ILB-CP05	5w	EML



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90 CRI

VALUE	RESULT	RA	R1	R2	R3	R4
CRI	96	94	100	98	95	99
R9	69	R5	R6	R7	R8	R9
Duv	0.000	98	91	89	80	69
-x	0.407	R10	R11	R12	R13	R14
-y	0.392	95	91	87	98	98

