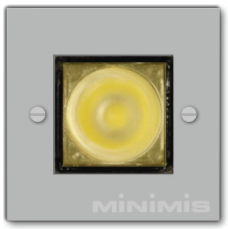
DOT LP

TINY-APERTURE ARCHITECTURAL LED LUMINAIRE FOR RECESSED INSTALLATION IN HOLLOW MATERIALS

DOT LP

ULTRA-WIDE
FLOOD
136°



SPECIFICATIONS

Electrical, luminosity & physical specifications

Material
Milled Grade-5 titanium

Luminosity
6000mcd (19 lumens)

Power consumption @ 12volt DC
1 watt (0.083 amp)

Color Rendering Index (R_a)
>80 (>95 available in 2018)

Voltage
12 volt DC constant voltage only
Not compatible with constant current
Not compatible with 12 volt AC systems.
Not dimmable.

Lens
PMMA 136º flood lens

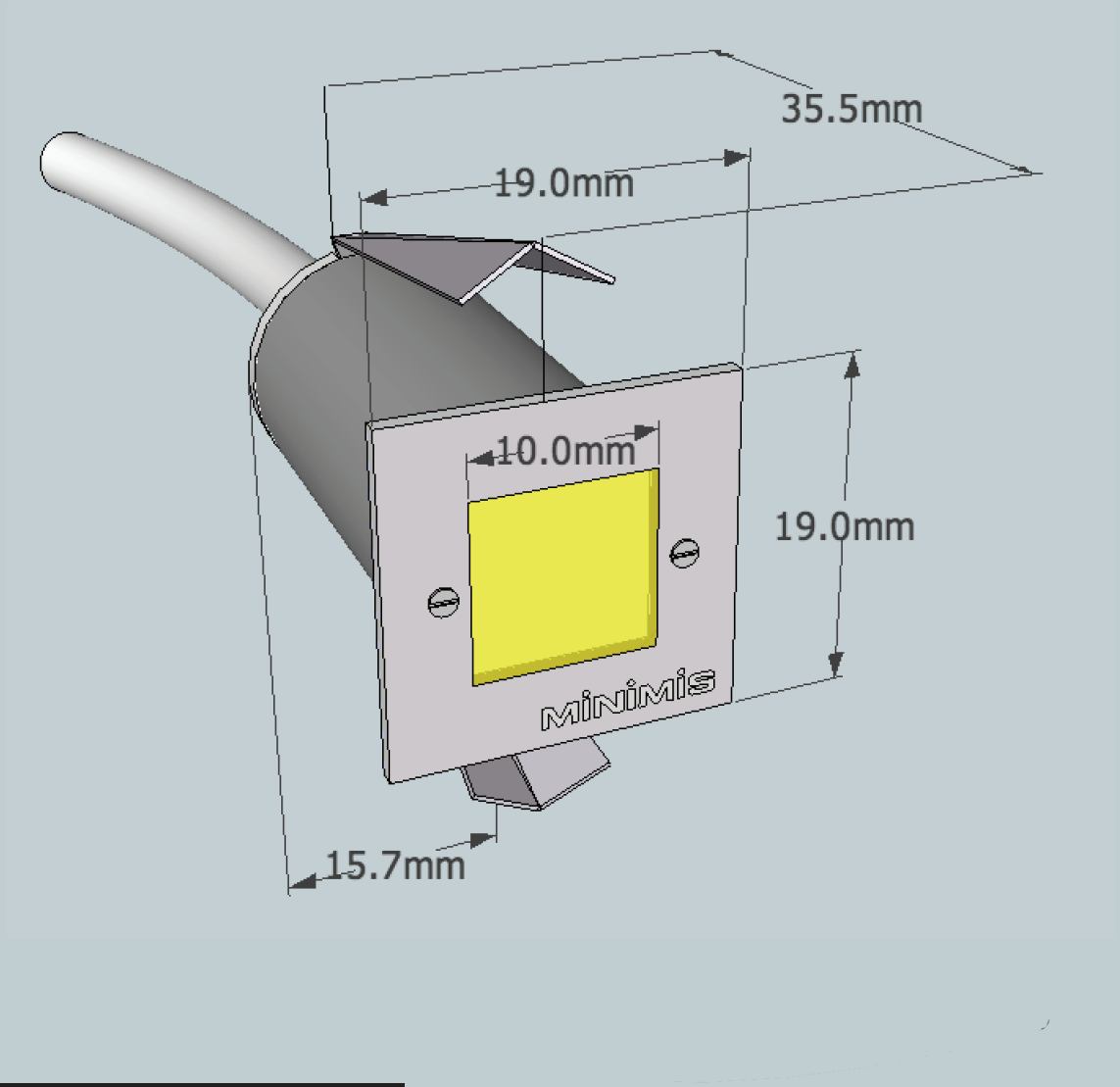
Color temperatures
Warm white (2950º to 3100º Kelvin) CRI >80 (Ra)
CRI >95 available in 2018

Pigtail
36" standard 18/2 pigtail

Application
IP 67 Indoor/outdoor recessed installation in all materials with provided spring clip

Recommended power supplies found at:
http://minim.is/power-lp-kit.htm

Product description and images can be found at:
http://www.MINIM.IS/dot



● **Absolute Maximum Ratings (Ta=25℃)**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	1	mW
Forward Current	I_F	83	mA
Peak Forward Current*1	I_{FP}	100	mA
Reverse Voltage	V_R	12	V
Operating Temperature Range	T_{opr}	-20~80	ºC
Storage Temperature Range	T_{stg}	-40~85	ºC

Not a UL listed fixture.

WARM WHITE

DOT LP - DOLPW - WARM WHITE			
absolute maximum ratings: (TA=25ºC)			
PARAMETER	**SYMBOL**	**RATING**	**UNIT**
Power Dissipation	Pd	1.05	W
Continuous Forward Current	I_F	83	mA
Peak Forward Current (1/10th duty cycle, 0.1ms pulse width)	I_{FP}	150	mA
Reverse Voltage	V_R	15	V
Operating Temperature	Ta	-20 to 80	ºC
Storage Temperature	Tstg	-40 to 85	ºC

Optoelectric characteristics				
PARAMETER	**SYMBOL**	**MAX**	**TYPICAL**	**UNIT**
View Angle of Half Power	$2\theta_{1/2}$		58	Degree
Forward Voltage	V_F	15.0	12	V
Dominant Wavelength	λ_D		Warm White	nm
Luminous Intensity	I_V		6000	mcd

Electrical and Optical Characteristics (Ta=25ºC)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F=83mA	9.0	12	15	V
Luminous Intensity	Iv	I_F=83mA	5000	6000	7000	mcd
Reverse Current	I_R	V_R=12V			10	μA
Dominant Wavelength	λD	I_F=83mA		Warm White		nm
Color Temperature	CCT	I_F=83mA	2950	range	3100	K

Typical Electro-Optical Characteristics Curves (subject to change)

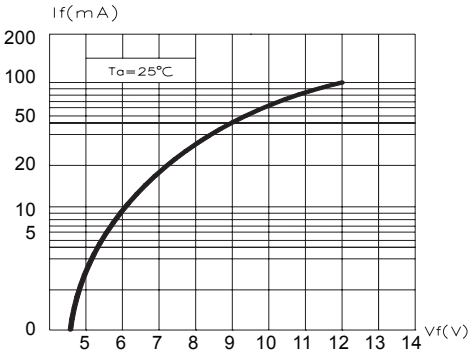


Fig.1 Forward Current vs. Forward Voltage

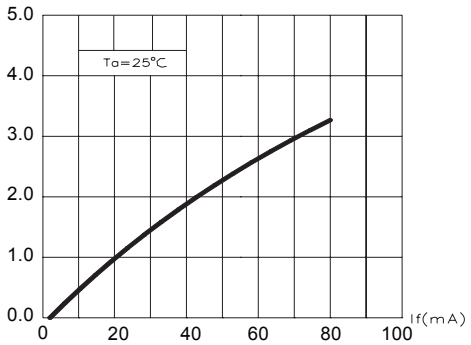


Fig.2 Relative Luminous Intensit vs. Forward Current

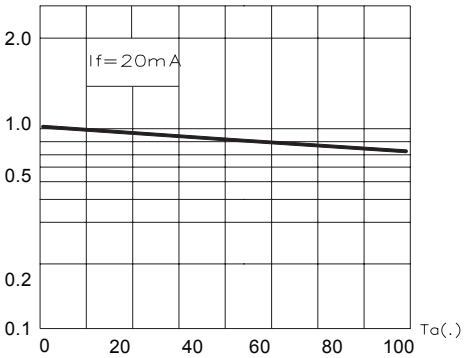


Fig.3 Relative Luminous Intensity vs. Ambient Temperature

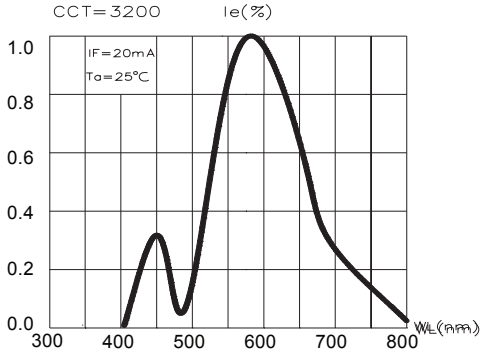


Fig.4 Intensity Vs.Wavelength.

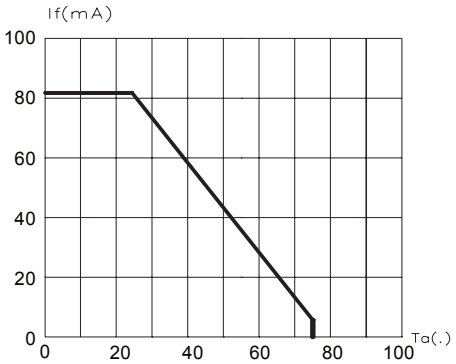


Fig.5 Maximum Forward Current vs. Ambient Temperature

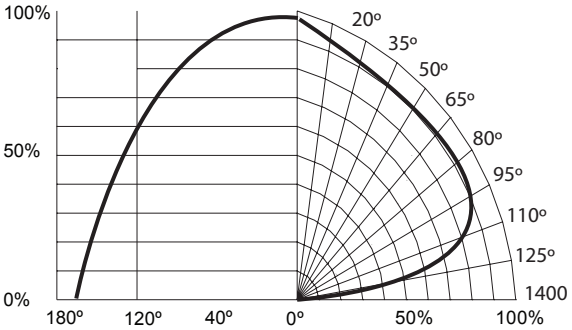


Fig.6 Relative Luminous Intensity vs.Radiation Angle