



Project Details

PROJECT	
DATE	
TYPE	
PREPARER	



The NB-WRP Wrap fixture is designed for saving energy and easy installation, this versatile luminaire produces energy-efficient, comfortable illumination. Available in 4ft 40W with 3 CCT's 35K, 40K & 50K select-able by dip switch. The NB-WRP utility wrap features a full wrap-around UV coated PC plastic prismatic lens designed for junction box installation or surface mounting applications.

SPECIFICATIONS Product Features

Construction

- Aluminum body
- Powder coat white finish
- Polycarbonate formed lens

Installation & Mounting

- Surface ceiling mount
- Suspension cable
(Sold Separately)

Controls & Dimming

- 0-10V & 12V Aux
- Bluetooth Mesh Controls
- 90 Mins Emergency Back up

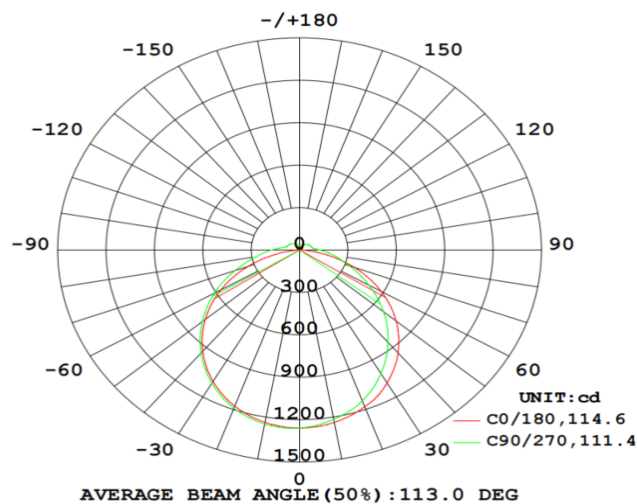
PERFORMANCE Summary

Input Voltage	100-277V
Input Frequency	50/60 Hz
Rated Wattage	40W
Efficacy	130lm/W
CRI	80+
Available CCT	3500K, 4000K, 5000K
Rated Life (L70)	50,000 hrs
IP Rating	IP20
PF	>0.90
Certifications	ETL, DLC, CE, RoHS, UL, cUL
Working Temp. (°F)	-4°F - 122°F
LED Light Source	SMD 2835

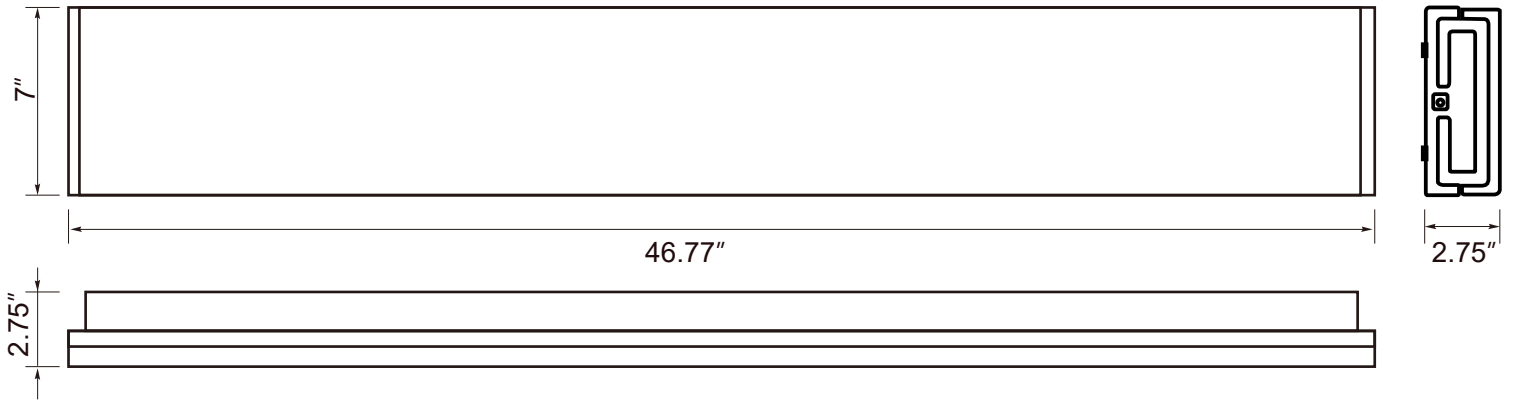


LIGHT DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PRODUCT Dimensions



PERFORMANCE Data

MODEL	WATTAGE	CCT	LUMEN	EFFICACY (lm/W)	VOLTAGE
NB-WRP-40W	40wat	3500K, 4000K, 5000K	5,200lm*	130 lm/W	100-277vac

* Lumen output based off 5,000K model.

ORDER Data

Sample: **NB-WRP-4FT-40W-3CCT**

SERIES	WATTAGE	CCT	VOLTAGE	FINISH*
NB-WRP-4FT	40W	35 = 3500K 40 = 4000K 50 = 5000K	V = 100-277V	BLANK = White

MOUNTING Options

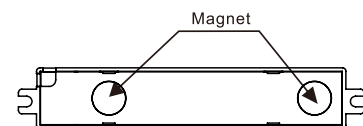
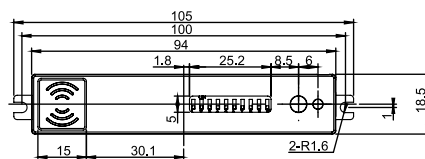
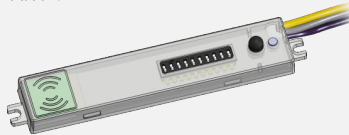
SC	Surface Ceiling	EM	Battery Backup
SCL	Suspension Cable (10FT)	ANT-7	Bi-Level Sensor
		RC	Programing Tool

BI-LEVEL Daylight Harvest Microwave Sensor - ANT-7 Instruction

RC-100
(OPTIONAL)



ANT-7

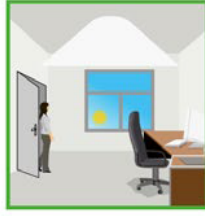


DAYLIGHT Harvesting Function (only by using RC100 remote control)

The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off. It offers 3 levels of the light Control: 100%--dimming light (0,10%,30%,50%)—off; and 2 periods of selectable waiting time: motion holdtime and stand-by time. Selectable daylight threshold and choice of detection area.



The light will not switch on when natural light is sufficient, even there is motion detected



The light switches on automatically with presence when natural light is insufficient



The light turns on at full or dims to maintain the lux level, the light output regulates according to the level of natural light available



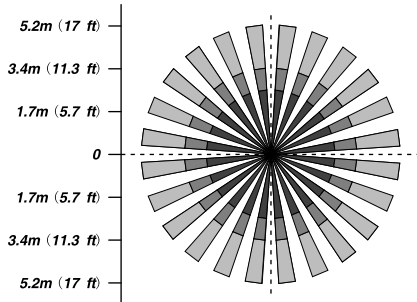
The light dims to stand-by period after hold-time and stays on selected minimum dimming level



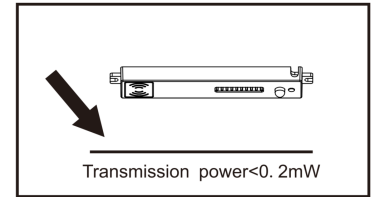
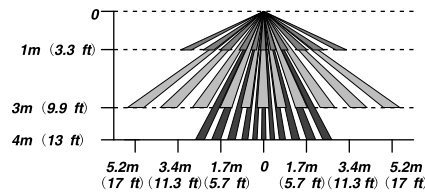
The light switches off completely after the stand-by period

SENSOR Coverage

Top View



Side View



NOTE:

The high-frequency output of this sensor is <0.2mW - that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.

SPECIFICATIONS

Power Supply	12-24V DC, >50mA
HF System	5.8GHz±75MHz
Dim Control Output	0-10V, max. 25mA sinking current
Detection Radius/Angle	Max 17ft. (5.2m)/360°
Mounting Height	Max 13ft. (4m)
Remote Range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F - 158°F (-40°C - 70°C)

⚠ WARNING

NOTE: Warm up time is 15 seconds. After the sensor connects input power first time, the light will stay on 15 seconds, then start dimming.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10 seconds, Daylight sensor is 30lux, Dimming level: 30% Dimming time: 60 minutes.

NOTE: Any setting changed by DIP Switch or remote control, the LED light that sensor connect will on/off as confirm.

UTILIZING Field and Introduction

ANT-7 is a moving object sensor that can detect range of 360° and its working frequency is 5.8GHz. The advantage of this product is stable working state (stable working temperature: -40°C—+70°C), ANT-7 adopts a microwave sensor (high-frequency output <0.2mW) so that it is safe and performs better than infrared sensor.

KT-EMRG-LED-5C-500-SEN CONSTANT POWER EMERGENCY LED BACK-UP DRIVER

Constant-Power Emergency LED Back-Up Driver | 5W Output | 120–277V Input | CEC T20 Compliant

Driver Type	Constant Power Emergency LED Back-Up Driver	Safety Standards	UL 924, Complies with CEC Title 20 Efficiency Standards	
Max. Output Power	5W	Location	IP20 design for dry and damp locations	
Input Voltage	120-277 Vac ±10%	Number of Outputs	1	Warranty 5 Years

ELECTRICAL Specifications

Input voltage range	120~277Vac ± 10%
Frequency	50/60Hz
Power factor	> 0.5 under 120~277Vac input
Inrush current	7A @ 230V
Max input current	50mA @120V, 35mA @240V, and 30mA @277V
THD	< 170% under 120~277Vac input
Output voltage	20–60Vdc Class 2 compliant Remarks: the output power is valid for output voltage ≤ 58Vdc; above that power will drop
Output current	250mA @ 20Vdc, 86mA @ 58Vdc
Output power	5W (constant)
Turn-on Delay Time	< 1s
Overshoot	< 10%
Ripple & Noise (pk-pk)	< 10%
Withstand voltage	Input to output, 2800Vdc, 2mA
Leakage current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	Over-voltage protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed. Over-current protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed. Short-circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
Emergency Operation	90 minutes
Battery	High-temperature, maintenance-free, LiFePO4 battery, 9.6Vdc, 3 cell
Recharge Time	24 hours
Battery Charging Current	307mA

ENVIRONMENTAL Specifications

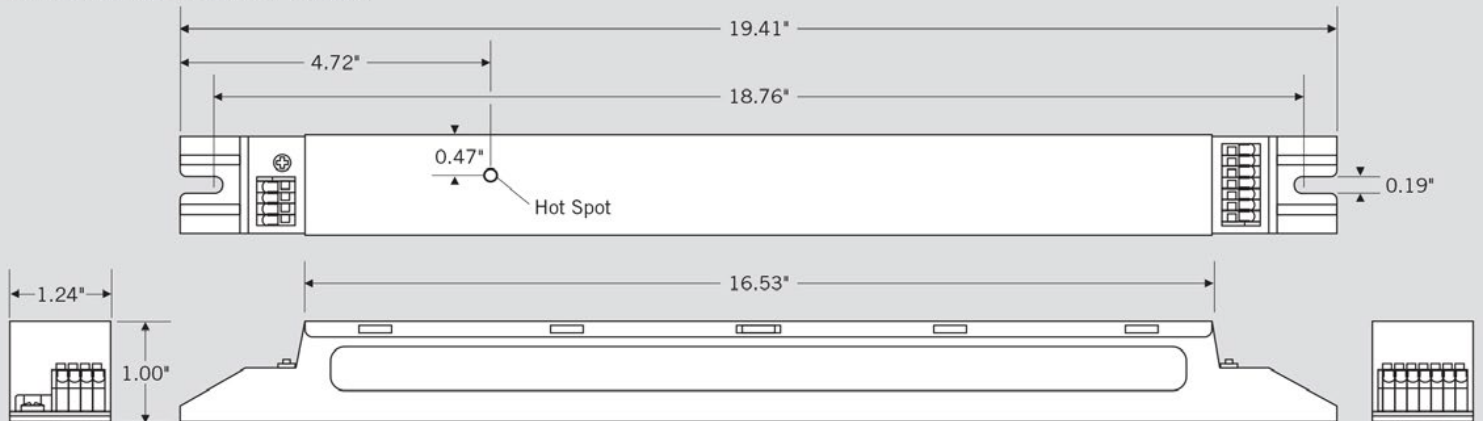
Operating temperature	0°C/32°F to 55°C/131°F	Life rating	97,500 hours at 120Vac input, 100% load and 55°C/131°F case temp
Storage temperature	-20°C/- 4°F to 55°C/131°F	Maximum ambient temperature	55°C/131°F
MTBF	284,000 hours at 40°C/104°F ambient (~55°C/131°F case temp)	Humidity	5% to 95%

SAFETY & EMC Compliance

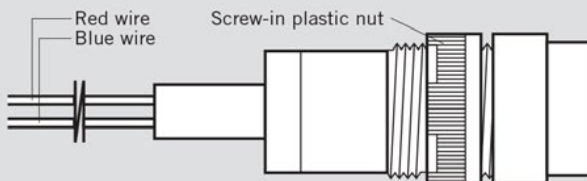
UL/cUL	UL 924, Complies with CEC Title 20 Efficiency Standards
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (consumer limit)
EN61000-3-2	Harmonic current emissions Class C

PHYSICAL Specifications

LED EMERGENCY BACK-UP DRIVER



TEST SWITCH (2-WIRE) Suitable for 0.5" hole diameter or existing knockout on fixture



WIRING Diagram

