	Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color	Catalog Number NCD 5W 1R 36 RGB SN	Type
	Submitted By 16500, INC	Notes	



NOVA CEILING SURFACE LINEAR

DOWNLIGHT WITH REMOTE POWER, RGB & RGB+W



DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 08.05.20



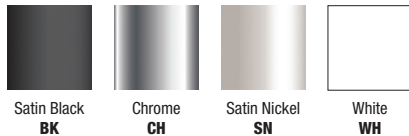
Diffused White Lens

DESCRIPTION

Nova Ceiling Surface Linear with 24VDC Power Supply is a linear LED fixture that offers direct light in a clean, contemporary style. Available in increments from 36" - 240" and several Metal Finish Options. Available in RGB and RGB+ White which provide dynamic color effects with red, green, blue and white at 2000k (if selected). Order the Nova Ceiling Surface Linear with either a Diffused White Lens with a 100° Beam Spread or a Clear Frosted 60° Lens with a Black or White Louver for additional diffusion. Remote 24VDC power supplies are required and ordered separately. Fixture includes 5 year pro-rated warranty. For custom designs and quotes, email our design team: design@PureEdgeLighting.com.

Wattages for this fixture are available in the following options:
 5W - 5 watts per foot up to 240" (20')
 6W - 6.3 watts per foot up to 180" (15')

FINISHES



INSTALLATION

- 24VDC Class 2 Remote Power Supply feeding up to 100 watts at a maximum of 40' away
- Includes your choice of Canopy: 1" Rectangle Junction Box or 4.6" Square Canopy or T-Bar end feed
- Includes Mounting Clips (use one every 24")
- Power Supplies sold separately

LENS

Diffused White 100° or Clear Frosted 60° Lens offered with Black or White Louvers

LAMPING

- RGB: Dynamic Red, Green and Blue
- RGB+W: Dynamic Red, Green, Blue and White (2000K)
- 50,000 Hour Lamp Life

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)



- Universal Dimming: Universal Dimming (TRIAC, ELV, 0-10V) with corresponding dimmer
- Dynamic Color Changing (DMX)
- Controls: CDMX-1, CTP

*In-Wall Mounting Kits available for select power supplies

APPLICATIONS

Designed for indoor use only. Ideal applications include Architectural Lighting in Offices, Retail, Commercial, Healthcare and Educational environments.

APPROVALS

Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed. Title 24 with Universal Power Supply , Made in America 



DIFFUSED WHITE LENS WHITE LOUVER



CLEAR FROSTED LENS BLACK LOUVER

System	Wattage Per Foot	Canopy	Nominal Size	Color Temperature	Finish
NCD	5W	1RE	240	RGB	SN
NCD Nova Ceiling Diffused Lens NCDW Nova Ceiling Diffused Lens with White Louver NCDL Nova Ceiling Diffused Lens with Black Louver NCCW Nova Ceiling Clear Frosted Lens with White Louver NCCB Nova Ceiling Clear Frosted Lens with Black Louver	5W 5 Watts 6W 6 Watts (15' Max)	1RE 1" Rectangle with Junction Box 4SQ 4" Square Split TB T-Bar end feed with 2ft of cable	36-240 Order in various increments from 36 inches to 240 inches *Maximum shipping length for chrome is 84" **Maximum overall shipping length is 120" ***See length chart for exact dimensions (pg. 3-4)	RGB Red, Green and Blue (5W Only) RGBW Red, Green, Blue and White (6W Only)	BK Satin Black CH Chrome SN Satin Nickel WH White



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5 WATTS PER FOOT - RGB LEDS			
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	11	55
2	10	12	60
3	15	13	65
4	20	14	70
5	25	15	75
6	30	16	80
7	35	17	85
8	40	18	90
9	45	19	95
10	50	20	100

6 WATTS PER FOOT - RGB+W LEDS							
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	6	5	30	9	54	13	78
2	12	6	36	10	60	14	84
3	18	7	42	11	66	15	90
4	24	8	48	12	72		

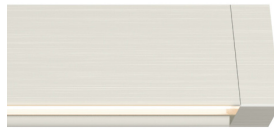
Channel Finishes



Satin Black
BK



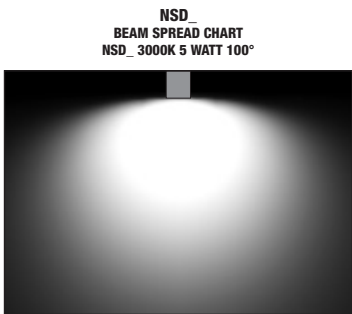
Chrome
CH



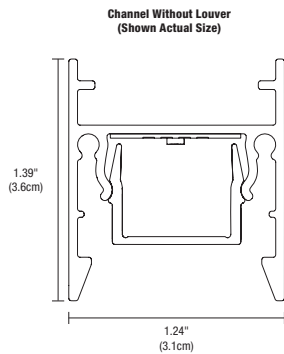
Satin Nickel
SN



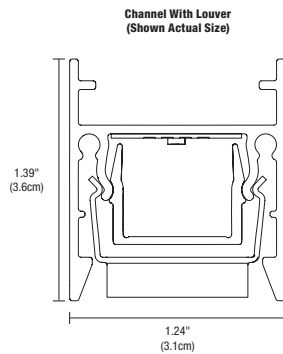
White
WH



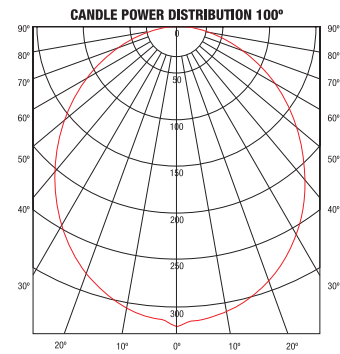
NSD_
BEAM SPREAD CHART
NSD_ 3000K 5 WATT 100°




Channel Without Louver
(Shown Actual Size)



Channel With Louver
(Shown Actual Size)



CANDLE POWER DISTRIBUTION 100°

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NOVA CEILING SURFACE LINEAR
 DOWNLIGHT WITH REMOTE POWER, RGB & RGB+W



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LENGTH CHART Actual lengths for Nova Ceiling Downlight - Remote Power Supply

22K, 27K, 30K, 35K, 40K & 57K			
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)
36	37.3	128	128.9
39	39.7	154	155.3
41	42.1	156	157.7
44	44.5	159	160.1
46	46.9	161	162.5
48	49.3	164	164.9
51	51.7	166	167.3
53	54.1	168	169.7
56	56.5	171	172.1
58	58.9	173	174.5
60	61.3	176	176.9
63	63.7	178	179.3
65	66.1	180***	181.7
68	68.5	183	184.1
70	70.9	185	186.5
72	73.3	188	188.9
75	75.7	190	191.3
77	78.1	192	193.7
80	80.5	195	196.1
82	82.9	197	198.5
84*	85.3	200	200.9
87	87.7	202	203.3
89	90.1	204	205.7
92	92.5	207	208.1
94	94.9	209	210.5
96	97.3	212	212.9
99	99.7	214	215.3
101	102.1	216	217.7
104	104.5	219	220.1
106	106.9	221	222.5
108	109.3	224	224.9
111	111.7	226	227.3
113	114.1	228	229.7
116	116.5	231	232.1
118	118.9	233	234.5
120**	121.3	236	236.9
123	124.1	238	239.3
125	126.5	240	241.7

*Maximum Chrome Length **Maximum Shipping Length ***Maximum RGB+W

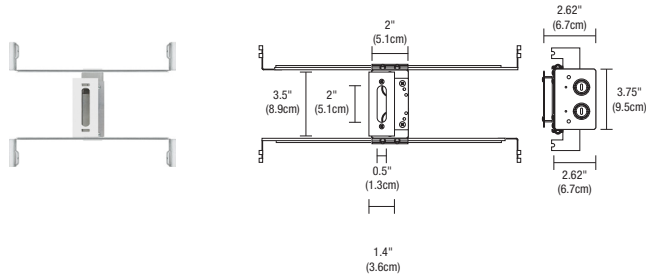


NOVA CEILING SURFACE LINEAR
 DOWNLIGHT WITH REMOTE POWER, RGB & RGB+W



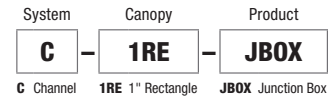
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Components: J-box, Split Canopies, and Mounting Clips are included and sold separately for replacement



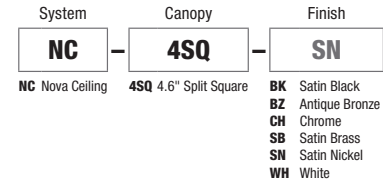
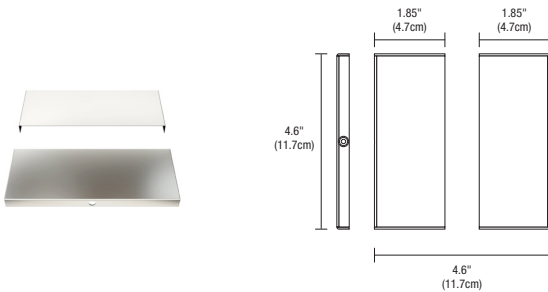
1" RECTANGLE CANOPY AND J-BOX (INCLUDED, WITH 1R SELECTED IN FIXTURE ORDERING CODE)

The Slim-Profile Junction Box with hanger bars mounts to studs spaced between 14.5 and 25 inches apart behind drywall. Allows low voltage DC wires from remote power supply to connect to channel wires. The junction box opening is covered by the fixture for a clean, safe connection. Includes a goof plate, for poor plastering around j-box.



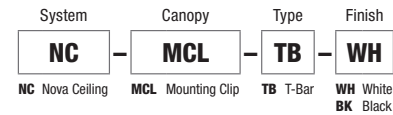
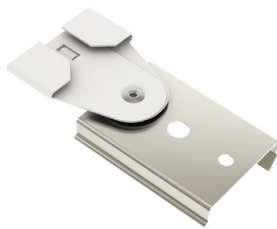
4" SQUARE SPLIT CANOPY (INCLUDED, WITH 4S SELECTED IN FIXTURE ORDERING CODE)

The 4 inch square canopy fits on a standard 4 inch electrical box with round plaster ring. It fits flush along channel while covering junction box. The Canopy may float anywhere along the channel and comes in five finishes.



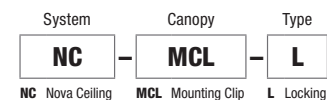
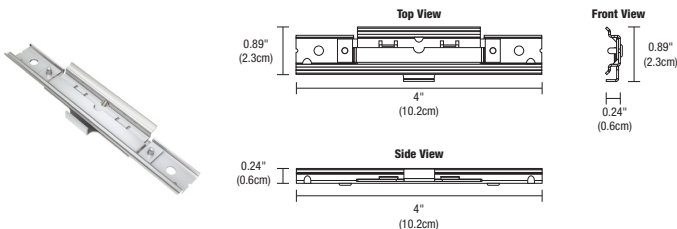
CEILING MOUNTING T-BAR CLIP (INCLUDED)

Included with all Channels, 1 per 2'. Mounts flush anywhere along the T-Bar grid.



CEILING MOUNTING LOCKING CLIP (INCLUDED)

Ceiling Mounting Locking clips are provided with every two feet of Nova Channel and may be ordered separately as replacement parts. The channel slides into the clip and locks in place staying securely fastened to the ceiling.



<p>sixteen5hundred</p>	<p>Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color Submitted By 16500, INC</p>	<p>Catalog Number NCD 5W 1R 36 RGB SN Notes</p>	<p>Type</p>
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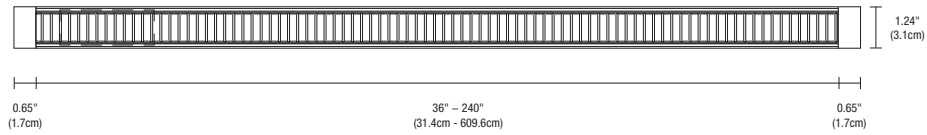
NOVA CEILING SURFACE LINEAR
 DOWNLIGHT WITH REMOTE POWER, RGB & RGB+W



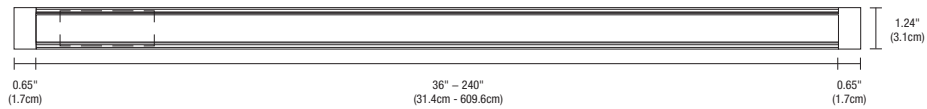
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Drawings: Drawings are shown with 1 inch rectangle canopy and 4 inch square split canopy

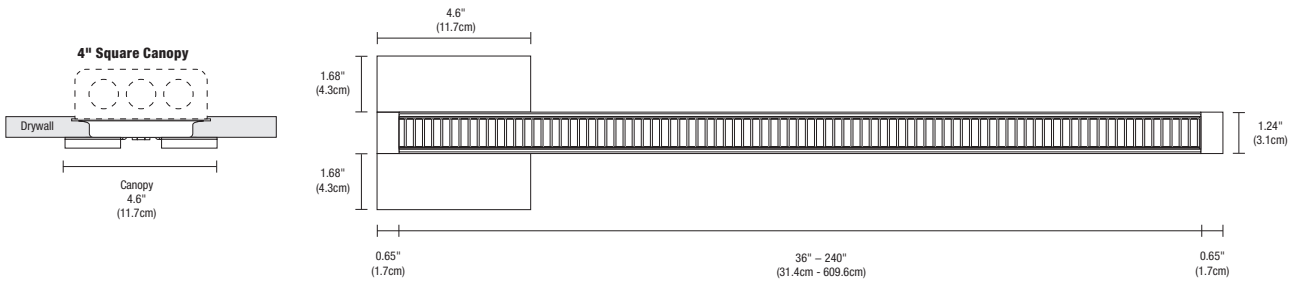
1" Rectangular Canopy Shown with Louver - Bottom View



1" Rectangular Canopy Shown without Louver - Bottom View



4" Square Split Canopy Shown with Louver - Bottom View



INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC WITH DMX DRIVER, RGB & RGB+W

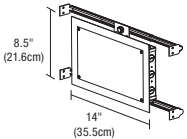


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DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS				
ORDERING CODE	PSB-100W-24VDC-RGB	PSB-2X100W-24VDC-RGB	PSB-3X100W-24VDC-RGB	PSB-4X100W-24VDC-RGB
SPECIFICATIONS				
MAXIMUM LOAD	100W	2X100W	3X100W	4X100W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-RGB-IW	N/A	N/A	N/A
DIMMING & CONTROLS				
TOUCH SCREEN CONTROLLER (CTP)	•	•	•	•
COLOR DIAL CONTROLLER (CDP)	•	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•	•	•	•

Classification: UL2108 - * 24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.

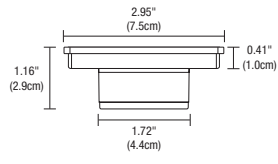
RECOMMENDED CONTROLLERS



8.5" X 14" IN-WALL MOUNTING KIT

Includes Power Supply, Box Cover, and Stud Hangers for installing Junction Box in wall. Select "IW" in the options section of compatible Power Supply ordering codes if an In-Wall Mounting Kit is needed.

ORDERING CODES: PSB-100W-24VDC-RGB-IW



Description:

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 1 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

Applications:

Indoor

Power Input:

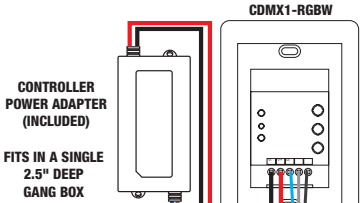
120-277VAC

Installation:

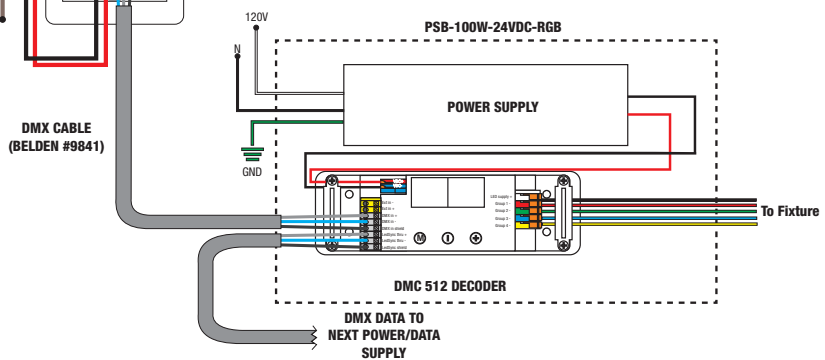
Fits in a single gang 2.5 inch deep junction box, not to be used with a multi gang box

Output Signal:

USITT DMX 512 (1990)



Product	Type	Finish
CDMX1	RGBW	WH
CDMX1 DMX 1 Zone Touch Controller	RGB Red, Green and Blue RGBW Red, Green, Blue and White	WH White

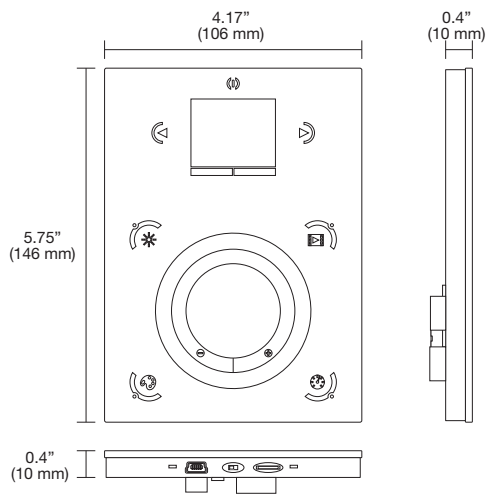




CTP
COLOR TOUCH SCREEN CONTROLLER WITH POWER ADAPTER



REV 08.05.20



DESCRIPTION

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 10 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

FEATURES AND BENEFITS

KEY FEATURES:

- Sleek glass design which sits 11mm from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control
- RS232, Dry Contact Ports and an Infra Red input port
- Clock and calendar with Sunrise/Sunset triggering
- Network communication. Control lighting remotely
- Catalog of designs including black and white glass
- OEM customization of the color palette and logo
- Windows/Mac software to set dynamic colors/effects
- iPhone/iPad/Android remote and programming apps

APPLICATIONS

Indoor

POWER ADAPTER

9VDC 0.65A (included)

POWER INPUT

7VDC 0.6A

OUTPUT SIGNAL

DMX512 1,024 channels total

INPUT SIGNAL

Universal IR receiver (Sold Separately), RS232, Contact Closure, Live Computer Link, DMX512, WiFi

CONNECTIONS

USB, Ethernet, RS232, Clock, 8 dry contact ports, open drain output

MEMORY

microSD (32GB Max)

COMPUTER AND MOBILE DEVICE REQUIREMENTS

IPHONE/IPAD/ANDROID:

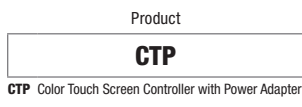
The controller may be used with any of the following apps: DMX Lightpad 3, Easy Remote and Arcolis may be downloaded from App Store or Google Play.

ESA PRO SOFTWARE (WINDOWS ONLY, TIMELINE AND MULTI-ZONE):

Windows ME, XP, Vista, 7 or 8 (32 bits and US 2.0, computer connection required for initial setup only.)

ESA2 SOFTWARE (WINDOWS/MAC, SINGLE ZONE):

Windows ME, XP, Vista, 7 or 8
Mac OS X 10.7 (Lion), 10.8 (Mountain lion), 10.9 (Mavericks), 10.10 (Yosemite)





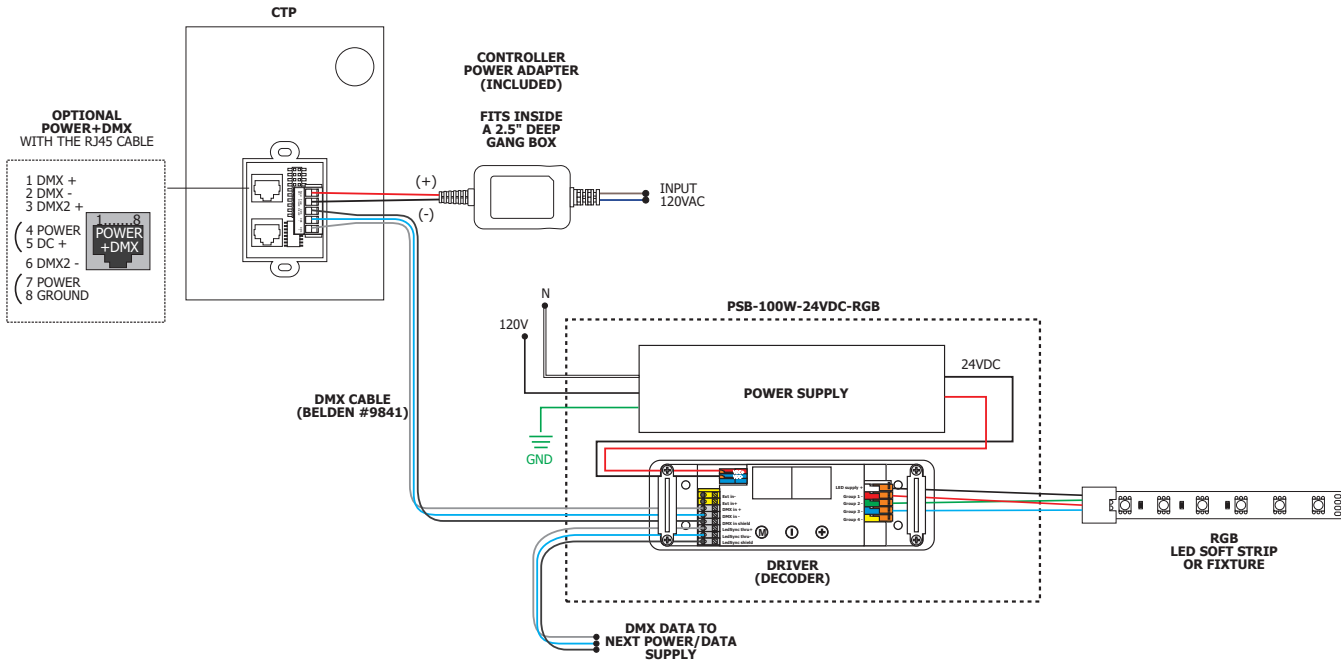
CTP

COLOR TOUCH SCREEN CONTROLLER WITH POWER ADAPTER



REV 08.05.20

RGB Wiring Diagram



RGBW Wiring Diagram

