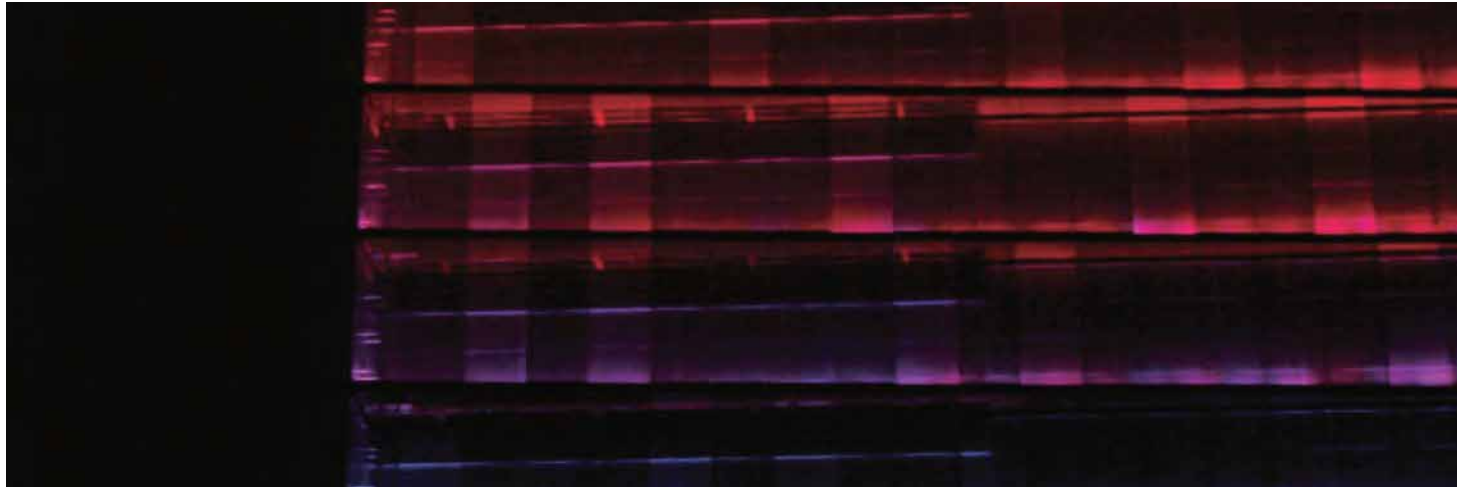


# NEO POWER BEAM(NPB R)



- Suitable for wall wash for indoor
- Unique optical performance
- Uniformed CCT and brightness
- A very durable life time
- A variety of length option

## DESCRIPTION

### Easy To Use

- Easy plug and play connector and bracket.
- Accurate production lot tracking service for color matching
- Suitable for wall wash for indoor

### Energy saving

- Suitable for replacing T5, T8 with up to 60% energy savings.

### Performance

- Unique optical performance with high evenness of light spread.
- Uniformed CCT and brightness
- Constant current structure / Excellent efficiency circuit design
- Lower heat generation circuit design with a very durable life time.

### Environment

- Environmentally friendly : No harmful gas. Low risk of damage and low heat generated.
- Possible to recycle.
- No UV and IR radiation.

### Options

- Various type of LED position, quantity, pitch can be chosen by customer's need.
- A variety of length option helping precise fitting.
- 2700K ~ 6000K CCT range. High CRI option. RGB available.

## APPLICATION

**ARCHITECTURAL** : Channel Sign BL, Exit light, Contour lighting etc.  
**INTERIOR** : Display, Furniture, Shop, Cove lighting, Decorative lighting etc.



## Fixing Accessory

Bracket	(unit : mm / inch)
N	 770(30.31) 13.5(0.53)
NJ	 22.4(0.88) 27(1.06) 57°
Basic	
DS	

## Feeding Accessory

Connector	(unit : mm / inch)
IM / AWG18	 Red Back 50(1.96)
IF / AWG18	 Red Back 50(1.96)
IM4 / AWG20	 10.5(0.41) 50(1.97) 12.2(0.48)
IF4 / AWG20	 21(0.83) 50(1.97) 12.2(0.48)
Basic	
LW / LEAD WIRE FOR NPB	AWG18
LW / LEAD WIRE FOR NPB	AWG20

## PRODUCT DESCRIPTION CODES

28 : CCT 2800K RGB : RGB H : CRI 90 Input Volt : DC24V R : Reflector 60 deg NPB S : Single lead B : Both end lead SIM, SIF, SIM4, SIF4

**IDVPCH-28H-3HC2-24-120-6-RSC2**

1H : Middle Power 5050 3 Chip C2 : 20mm pitch of LED Add On Unit 120mm Q'ty of addon unit C2 : IP20  
 3H : Middle Power RGB 5050 3 Chip C3 : 25mm pitch of LED 150mm

### Options

- ◇ 57(=5700K), 30(=3000K), 28(=2800K), RGB
- H (=CRI 90), NONE (=CRI 80)
- (=Add On Quantity)
- D (=Tuning Length Added)
- ☆ R : Reflector NPB
- S(= Single feed), B(=Both feed), IM(=Indoor Male mate connector), IF(=Indoor Female mate connector)
- △ CX : PCB Only, C2 : Dust Cover(IP20)

### Product Numbers

- IDVPCH-◇●-1HC2-24-120-○-☆□△
- IDVPCH-◇●-1HC3-24-150-○-☆□△
- IDVPCH-RGB-3HC2-24-120-○-☆□△
- IDVPCH-RGB-3HC3-24-150-○-☆□△

## SPECIFICATIONS

		IDVPCH-◇◎-1HC2-24-120-9-RSC2	IDVPCH-◇◎-1HC3-24-150-8-RSC2	IDVPCH-RGB-3HC2-24-120-9-RSC2	IDVPCH-RGB-3HC3-24-150-8-RSC2
CCT(TYP)	Normal White	5700K, 4000K		R	625
	Warm White	3000K, 2800K		G	525
CRI	Normal White	80		B	460
	Warm White	80		-	-
Lumen*	5700K	1820	1700	RGB	1070
	4000K	1630	1520		
	3000K	1550	1450		
	2800K	1440	1350		
Beam Angle					60 D
Power Consumption(W)	21.6	20.2	35.6	34.6	
Input Volt(DC)					24
Feed Direction					END
Dimming					PWM
Temp(°C/°F)	Tc	55 / 131	55 / 131	70 / 158	70 / 158
	Ta				
IP Rate					C2 : IP20
Expected Life Hours					40,000
Body Color					Anodized
Net Wt(g / lb)	380 / 0.84	360 / 0.79	380 / 0.84	360 / 0.79	
Fix Option					N, NJ
Feed Option					-
Max Serial Connection Length(mm/ft)	3,080 / 10.11	3,450 / 11.32	3,500 / 11.48	4,200 / 13.78	
Length Option	①	②	③	④	

※For RGB, constant full color mode will cause overheating. please make sure circular running mode of R-G-B.

\* Lumen value is based on CRI 80

### ① Add On Unit : 120mm / 4.72inch

Length Option															Order Code	
Ordering Length	120	240	360	480	600	720	840	960	1080	1200	1320	1440	1560	1680	1800	PB-10-1-○
Unit Q'ty (EA)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	-
Input Current per length (mA)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	-

### ② Add On Unit : 150mm / 5.90inch

Length Option														Order Code
Ordering Length	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	PB-10-2-○
Unit Q'ty (EA)	1	2	3	4	5	6	7	8	9	10	11	12	13	-
Input Current per length (mA)	105	210	315	420	525	630	735	840	945	1050	1155	1260	1365	-

### ③ Add On Unit : 120mm / 4.72inch

Length Option															Order Code	
Ordering Length	120	240	360	480	600	720	840	960	1080	1200	1320	1440	1560	1680	1800	PB-10-3-○
Unit Q'ty (EA)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	-
Input Current per length (mA)	165	330	495	660	825	990	1155	1320	1485	1650	1815	1980	2145	2310	2475	-

### ④ Add On Unit : 150mm / 5.90inch

Length Option														Order Code
Ordering Length	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	PB-10-4-○
Unit Q'ty (EA)	1	2	3	4	5	6	7	8	9	10	11	12	13	-
Input Current per length (mA)	180	360	540	720	900	1080	1260	1440	1620	1800	1980	2160	2340	-

## OUTLINE DIMENSION

(unit : mm / inch)

