PSB3-30024

Digital Control Units PD3 Series

Select digital Control Units matching your network







The supplied AC cord is for use with 100 to 120 VAC. If you want to use the Control Unit with 200 to 240 VAC, you must procure another appropriate AC power cord.



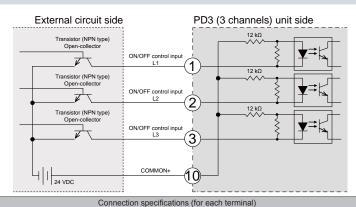
Features

- Each single unit is compatible with continuous, ON/OFF and strobe lighting. Spot Light HLV series cannot emit strobe.
- Digital display makes it easy to check settings.
- (Spot Light HLV3 series Product Page ▶ P. 151) (Spot Light HLV2 series Product Page ▶ P. 157)
- Ethernet-compatible with a selection of three types of external controls.
- DIN rail installation is standard.
- There are four types of capacity: 3 channels/28 W, 3 channels/48 W, 4 channels/46 W, and 8 channels/95 W. *1: Can be connected only with 24 V Light. *2: Lineup includes only DC-input Control Units.
 - *3: Can be connected with both 24 V Light and Spot Light HLV series.
- The parallel type has the fastest switching for settings. Perform high-speed control through batch transmission.
- The Ethernet type supports standard protocols TCP/IP and UDP/IP. Pursuing even more convenience.
- The EIA-485 type can individually manage units using multi-drop wiring. Can manage up to 4 units.

Example Connection

Refer to the "Instruction Guide" for details.

Example connection of external trigger signal



Rated input voltage	Rated input voltage Maximum input voltage Photocoupler ON voltage / ON curren				rent	Photocoupler OFF voltage / OFF current
24 VDC 26.4 VDC 14.4 VDC min. / 1 mA min.				/DC min. / 1 mA min.		5 VDC max. / 0.4 mA max.
Trigger logical setting switch	Input signal	Pho	tocoupler	ON/OFF mode	Strobe mode	
HIGH	HIGH	OFF		LED ON		LED is ON for the specified time.
піоп	LOW		ON	LED OFF		No change
	HIGH		OFF	LED OFF		No change

LOW







LED ON



LED is ON for the specified time.



PD2

PSB POD

PTU2

BB PJ2

STU-3000

CN-4024-2-EIP PB-2430-1

CC-ST-1024

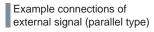
CC-PJ-0707

PSB3-30024

Diffusion Plates Polarizing Plates Light Control Films Brackets Fixtures, etc. SM/EL Cables

PSCC PSB4-30024

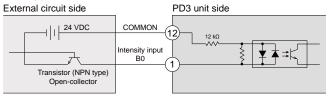
▶ P.321

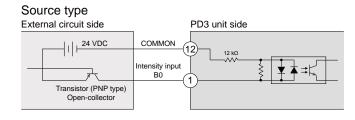


Light Unit

Product Page ▶ P.17 -

Sink type





Connection specifications (for each terminal)

Photocoupler ON voltage /

			OTT OUTTOIN			OTT OUTTOIN
	24 VDC	26.4 VDC	14.4 VDC min. / 1 mA min.		5 VDC	max. / 0.4 mA max.
		Input signal	Photocoupler	Da	ıta	
	Sink type	HIGH	OFF	1		
		LOW	ON	C)	
	Course type	HIGH	ON	C)	
	Source type	1.004/	055			

Example System Configuration



Control Unit -External control device — External control cables -Extension cables — LED Light











The Trigger Input Cable (EXCB2-M10-3) is needed for ON/OFF lighting and strobe lighting.

Ethernet type (TCP/IP UDP/IP)

External control device (Trigger signal)



EXCB2-M10-3

(Trigger signal input) (ON/OFF control)





(Ethernet communication)

Connected with LED Light



ECNR-E3CN4

(Relay connector)







PD3-3024-3-EI(A) (30 W capacity) (Ethernet communication)

Connected with LED Light

● EIA-485 type

External control device (EIA-485 communication) (Trigger signal)





(ON/OFF control)









PD3-3024-3-SI(A) (30 W capacity) (EIA-485 communication)

Connected with LED Light

Connected with LED Light Connected with LED Light Refer to the material "Connecting EIA-485 Communications Cables" on our website for inf

You can inquire using our website.

Light Unit Selection

Free Product



STU-3000

PSB4-30024 PSB3-30024

Fixtures, etc. SM/EL Cables



Common Specifications: Parallel Types

AC input: PD3-3024-3-PI / PD3-5024-4-PI(A) / PD3-10024-8-PI DC input: PD3-3024-3-PT / PD3-5024-3-PT / PD3-5024-4-PT(A)

Model name	PD3-3024-3-PI	PD3-5024-4-PI(A)	PD3-10024-8-PI	PD3-3024-3-PT	PD3-5024-3-PT	PD3-5024-4-PT(A)		
Input voltage	100 to 240 VAC (+10% -15%) 24 VDC (21.6 to 26.4 V)							
Lighting method	Continuous / Strobe lighting (no overdrive)							
Drive method	Constant-voltage system		tant-voltage system tant-current system	Constant-vo	Itage system	24 V LIGHT: Constant-voltage system HLV LIGHT: Constant-current system		
Intensity control method	PWM control and lighting time control		24 V LIGHT: PWM control and lighting time control		PWM control and lighting time control			
No. of channels	3 channels	4 channels	8 channels	3 cha	annels	4 channels		
Applicable Light Unit (rated)	Light Units with 24 VDC input Total for 3 channels: 28 W	Light Units with 24 VDC input, HLV series (Spot Light) Total for 4 channels: 46 W	Light Units with 24 VDC input, HLV series (Spot Light) Total for 8 channels: 95 W (EL connector: one 95 W connector)	Light Units with 24 VDC input Total for 3 channels: 28 W Total for 3 channels: 48 W		Light Units with 24 VDC input, HLV series (Spot Light) Total for 4 channels: 46 W		
PWM frequency			125	kHz				
Error detection display	"OCP" displayed on front digital display: Overcurrent error	"OCP" displayed on front digital "EFN" display: Fan stop error "EID" display: ID error (HLV s		"OCP" displayed on front digital display: Overcurrent error "t		*OCP* displayed on front digital display: Overcurrent error *EFN* display: Fan stop error *EID* display: ID error (HLV series only)		
Overcurrent protection	Operates at		Reset by pressing and holding create an intentional short circuit betw			nen on again.		
Power consumption (typ.)	78 VA 70 VA 130 VA 32 W 52 W					2 W		
Frequency		50/60 Hz		-				
Output voltage (rated)			24 \	VDC				
Intensity setting				the front setting switch				
ON/OFF#i		External: 8-bit input	t (B0 to B7), write pulse (BRTV		HSEL0 to CHSEL2)			
ON/OFF setting				rigger input the front setting switch				
Lighting mode setting		External: 4-bit input	(M0 to M3), write pulse (TRG)		CHSEL 0 to CHSEL 2)			
Error detection output		NPN Transistor	output between pins 19 (OC) Normal operation: Open, Over	and 20 (OE) of the external of	ontrol connector			
	Trigger injust MIL connected, 10-pin							
External control connector			00 1	tting: MIL connector, 20-pin				
Operating temperature and humidity		Tempe	rature: 0 to 40°C, Humidity: 20		nsation)			
Storage temperature and humidity		Tempera	ature: -20 to 60°C, Humidity: 2	20% to 85%RH (with no conde	ensation)			
Cooling method	Natural air cooling Forced air cooling			Natural air cooling Forced air cooling				
CE marking	Safety standard: Conforms to	EN61010-1, EMC standard: Co	onforms to EN61326-1 Class A	EMC sta	indard: Conforms to EN61326-	1 Class A		
Material/Surface processing		M	faterial: aluminum and resin, S	Surface processing: blue alum	ite			
	i							
Weight	600 g max.	1,200 g max.	1,500 g max.	400 g	g max.	850 g max.		

Common Specifications: Ethernet Type

AC input: PD3-3024-3-EI(A) / PD3-5024-4-EI(A) / PD3-10024-8-EI(A) DC input: PD3-3024-3-ET(A) / PD3-5024-3-ET(A) / PD3-5024-4-ET(A)

Intensity control method PWM control and lighting time control No. of channels 3 channels 4 channe		-			•	` '	()		
Drive method Constant-voltage system	Model name	PD3-3024-3-EI(A)	PD3-5024-4-EI(A)	PD3-10024-8-EI(A)	PD3-3024-3-ET(A)	PD3-5024-3-ET(A)	PD3-5024-4-ET(A)		
Dive method Constant-voltage system HLV LIGHT: Constant-voltage system HLV LIGHT: Constant-voltage system Constant-voltage system Constant-voltage system PWM control and lighting time control but LIGHT: Variable-current control Ro, of channels 3 channels 4 channels 4 channels 4 channels 3 channels 3 channels 3 channels 3 channels 4 channe	Input voltage (rated)	100 to 240 VAC (+10% -15%)			24 VDC (21.6 to 26.4 V)				
Light Units with 24 VDC input Total for 3 channels Light Units with 24 VDC input Total for 3 channels Light Units with 24 VDC input Total for 3 channels Light Units with 24 VDC input Light Units with 24 VDC input Total for 3 channels Light Units with 24 VDC input	Lighting method			Continuous / Strobe	lighting (no overdrive)				
Intensity control method and lighting time control and lighting time c	Drive method	Constant-voltage system			Constant-vo	oltage system	24 V LIGHT: Constant-voltage system HLV LIGHT: Constant-current system		
Light Units with 24 VDC input HLV series (Spot Light) Total for 3 channels: 28 W Total for 4 channels: 48 W Total for 3 channels: 28 W Total for 3 channels: 28 W Total for 3 channels: 28 W Total for 3 channels: 48 W Total for 4 channel	Intensity control method			4 V LIGHT: PWM control and lighting time control					
Applicable Light Unit (rated Volta for 3 channels: 28 W Volta for 3 channels: 48 W Volta for 4 channels: 48 W Volta for 3 channels: 48 W Volta for 4 channel	No. of channels	3 channels	4 channels	8 channels	3 cha	annels	4 channels		
Error detection display **OCP** displayed on front digital display: Overcurrent error display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **OCP** displayed on front digital display: Overcurrent error "EID** display: ID error (HLV series only) **Description** on the contents on a gent of the contents of the contents on a gent of the contents on a gent of the content	Applicable Light Unit (rated)		HLV series (Spot Light)	HLV series (Spot Light) Total for 8 channels: 95 W					
CoCP* displayed on front digital display: Overcurrent error CoCP* displayed before CoCP* displayed	PWM frequency		•	125	kHz	•	•		
Power consumption (typ.) 78 VA 70 VA 130 VA 32 W 52 W Frequency	Error detection display		"EFN" display: Fan stop error		"OCP" displayed on front digital display: Overcurrent error		"EFN" display: Fan stop error "EID" display: ID error (HLV		
Frequency 50/60 Hz	Overcurrent protection	Operates at	107% of the output current. F	Reset by pressing and holding create an intentional short circuit betw	the setting switch for 1 sec., ween the positive (+) and negative (-)	or turning the power off and the outputs.	nen on again.		
Output voltage (rated) Intensity setting ON/OFF setting External: Command input via TCP/IP or UDP/IP communication ON/OFF setting External trigger input or command input via TCP/IP or UDP/IP communication External: 1:1-step using the front setting switch External trigger input or command input via TCP/IP or UDP/IP communication External: Command input via TCP/IP or UDP/IP communication External: Command input via TCP/IP or UDP/IP communication External control connector External control connector Trigger input: MIL connector, 10-pin Intensity/Lighting mode setting: RJ-45 connector Operaing temperature and humidity Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidity Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material: Aluminum and resin, Surface processing: Blue alumite Weight Weight Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight Natural air cooling max. 1,200 g max. 1,200 g max. 1,500 g max. 400 g max. 850 g max.	Power consumption (typ.)	78 VA	70 VA	130 VA	32 W	52	2 W		
Manual: 256-step using the front setting switch External: Command input via TCP/IP or UDP/IP communication ON/OFF setting External trigger input or command input via TCP/IP or UDP/IP communication Manual: 11-step using the front setting switch External: Command input via TCP/IP or UDP/IP communication Manual: 11-step using the front setting switch External: Command input via TCP/IP or UDP/IP communication External control competed Command sent when overcurrent output is detected. Trigger input: MIL connector (10-pin Intensity/Lighting mode setting: RJ-45 connector Questing input: MIL connector (20-pin (2	Frequency		50/60 Hz			-			
Intensity setting External: Command input via TCP/IP or UDP/IP communication ONOFF setting External trigger input or command input via TCP/IP or UDP/IP communication Manual: 11-step using the front setting switch External control connector External control connector Operating temperature and humidly Temperature: 01 or 40°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidly Temperature: 02 to 60°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidly Temperature: 02 to 60°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidly Temperature: 02 to 60°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidly Altural air cooling Forced air cooling CE marking Safety standard: Conforms to EN6101-1, EMC standard: Conforms to EN61326-1 Class A Material: Aluminum and resin, Surface processing: Blue alumite Weight Weight Material: Aluminum and resin, Surface processing: Blue alumite Weight Weight Natural air cooling max. 1,200 g max. 1,200 g max. 1,500 g max. 400 g max. 850 g max.	Output voltage (rated)			24 \	VDC				
External: Command input via TCP/IP or UDP/IP communication ON/OFF setting External trigger input or command input via TCP/IP or UDP/IP communication Manual: 11-step using the front setting switch External: Command input via TCP/IP or UDP/IP communication External: Command input via TCP/IP or UDP/IP communication External: Command sent when overcurrent output is detected. Trigger input: MIL connector, 10-pin Intensity/Lighting mode setting: RJ-45 connector Operating temperature and humidity Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidity Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Modernal: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite	toto colo contro			Manual: 256-step using	the front setting switch				
Lighting mode setting Manual: 11-step using the front setting switch	intensity setting	External: Command input via TCP/IP or UDP/IP communication							
External: Command input via TCP/IP or UDP/IP communication Error detection output External control connector External control connector Operaing temperature and humidity Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Nog max.	ON/OFF setting		External	trigger input or command inpu	ut via TCP/IP or UDP/IP comr	nunication			
External : Command input via TCP/IP or UDP/IP communication External control connector External control connector Cperating temperature and humidity Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Natural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight Meight More and input via TCP/IP or UDP/IP communication Trigger input: MIL connector, 10-pin Intensity/Lighting mode setting: RJ-45 connector Setternal control Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Safety standard: Conforms to EN61326-1 Class A EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight Weight More and the detected. Trigger input: MIL connector, 10-pin Intensity/Lighting mode setting: RJ-45 connector Temperature: -0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no con	Lighting mode setting	Manual: 11-step using the front setting switch							
External control connector Trigger input: MIL connector, 10-pin Intensity/Lighting mode setting: RJ-45 connector Questing temperature and humidity Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation) Storage temperature and humidity Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Forced air cooling Natural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight Modernal: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite	Lighting mode setting	External: Command input via TCP/IP or UDP/IP communication							
Intensity/Lighting mode setting: RJ-45 connector	Error detection output			Command sent when over	rcurrent output is detected.				
Content Cont	External control connector		Trigger input: MIL connector, 10-pin						
Strage temperature and humidity Temperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Cooling method Natural air cooling Emperature: -20 to 60°C, Humidity: 20% to 85% RH (with no condensation) Forced air cooling Ratural air cooling Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Weight 600 g max. 1,200 g max. 1,500 g max. 400 g max. 850 g max.	External control connector	Intensity/Lighting mode setting: RJ-45 connector							
Cooling method Natural air cooling Forced air cooling Natural air cooling Forced air cooling CE marking Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A EMC standard: Conforms to EN61326-1 Class A Material: Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight 600 g max. 1,200 g max. 1,500 g max. 400 g max. 850 g max.	Operating temperature and humidity	Temperature: 0 to 40°C, Humidity: 20% to 85% RH (with no condensation)							
CE marking Safety standard: Conforms to EN61010-1, EMC standard: Conforms to EN61326-1 Class A EMC standard: Conforms to EN61326-1 Class A Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight 600 g max. 1,200 g max. 1,500 g max. 400 g max. 400 g max. 850 g max.	Storage temperature and humidity		Tempera	ature: -20 to 60°C, Humidity: 2	0% to 85% RH (with no cond	ensation)			
Material/Surface processing Material: Aluminum and resin, Surface processing: Blue alumite Material: Aluminum and resin, Surface processing: Blue alumite Weight 600 g max. 1,200 g max. 1,500 g max. 400 g max. 400 g max. 850 g max.	Cooling method				Natural air cooling Forced air cooling				
Weight 600 g max. 1,200 g max. 1,500 g max. 400 g max. 850 g max.		- '							
	Material/Surface processing	Material: Aluminu	um and resin, Surface process	sing: Blue alumite	Material: Alumin	um and resin, Surface proces	sing: Blue alumite		
Accessories 3-prong AC cord with ground terminal (2 m) x 1, Instruction Guide x 1, Base Brackets x 1 set (PD3-5024-4-EI(A)) Instruction Guide x 1, Base Brackets x 1 set (PD3-5024-4-ET(A))	Weight								
	Accessories	3-prong AC cord with ground terminal (2 n	n) x 1, Instruction Guide x 1, Base Brackets	x 1 set (PD3-5024-4-EI(A) / 10024-8-EI(A))	Instruction Guide	x 1, Base Brackets x 1 set (F	PD3-5024-4-ET(A))		



Imaging Examples



PD2 STU-3000 PSB POD PTU2 PF CN-4024-2-EIP' PB-2430-1 CC-ST-1024 BB PJ2 PJ CC-PJ-0707 PSCC PSB4-30024 PSB3-30024

Diffusion Plates
Polarizing Plates
Light Control Films
Brackets
Fixtures, etc.
SM/EL Cables

Light Unit

Product Page

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▶ P.321

Model name	PD3-3024-3-SI(A)	PD3-10024-8-SI(A)				
Input voltage (rated)		100 to 240 VAC (+10% -15%)				
Lighting method		Continuous / Strobe lighting (no overdrive)				
Drive method	Constant-voltage system		tant-voltage system tant-current system			
Intensity control method	PWM control	24 V LIGHT: PWM control and lighting time control				
intensity control metriod	and lighting time control	HLV LIGHT: Variable-current control				
No. of channels	3 channels	4 channels	8 channels			
Applicable Light Unit (rated)	Light Units with 24 VDC input Total for 3 channels: 28 W	Light Units with 24 VDC input, HLV series (Spot Light) Total for 4 channels: 46 W	Light Units with 24 VDC input, HLV series (Spot Light) Total for 8 channels: 95 W (EL connector: one 95 W connector)			
PWM frequency		125 kHz				
Error detection display	"OCP" displayed on front digital display: Overcurrent error	"OCP" displayed on front digital display: Overcurrent error "EFN" display: Fan stop error "EFD" display: De rorr (HLV series only)				
Overcurrent protection		eset by pressing and holding the setting switch for 1 sec., reate an intentional short circuit between the positive (+) and negative (-				
Power consumption (typ.)	78 VA 70 VA 130 VA					
Frequency	50/60 Hz					
Output voltage (rated)	24 VDC					
Intensity setting	Manual: 256-step using the front setting switch					
intensity setting	External: Command input via EIA-485 communication					
ON/OFF setting	Exter	nal trigger input or command input via EIA-485 communi	cation			
Lighting mode setting		Manual: 11-step using the front setting switch				
Lighting mode setting		External: Command input via EIA-485 communication				
Error detection output		Command sent when overcurrent output is detected.				
External control connector	Trigger input: MIL connector, 10-pin					
External control connector	Intensity/Lighting mode setting: e-CON connector, 3-pin					
Operating temperature and humidity	Tempera	ature: 0 to 40°C, Humidity: 20% to 85%RH (with no conde	ensation)			
Storage temperature and humidity	Tempera	ture: -20 to 60°C, Humidity: 20% to 85%RH (with no cond	densation)			
Cooling method	Natural air cooling		air cooling			
CE marking	Safety standard	Conforms to EN61010-1, EMC standard: Conforms to EN	61326-1 Class A			
Material/Surface processing	Ma	terial: Aluminum and resin, Surface processing: Blue alur	mite			
Weight	600 g max.	1,200 g max.	1,500 g max.			
Accessories	3-prong AC cord with ground terminal (2 m) x 1, Instruction Guide x 1, Base Brackets x 1 set (PD3-5024-4-SI(A) / 10024-8-SI(A))					

Changes in specifications and model names

The suffix "(A)" has been added to the end of several model names, e.g. "PD3-3024-3-EI" has been changed to "PD3-3024-3-EI(A)".

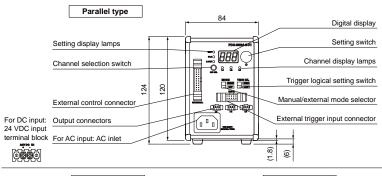
	Specification changes	Relevant models
	A new command feature has been added to the light intensity setting command (the F command) which enables setting the light intensity of all channels with a single command. A new command feature has been added to the ON/OFF setting command (the L command) which enables setting the state of all channels with a single command.	PD3-3024-3-EI(A) / PD3-3024-3-SI(A) / PD3-3024-3-ET(A) / PD3-5024-4-EI(A) / PD3-5024-4-SI(A) / PD3-5024-4-ET(A) / PD3-5024-3-ET(A) / PD3-10024-8-EI(A) / PD3-10024-8-SI(A)
Additional DIN rail mounting clip	The number of DIN rail clips on 50 W Control Units has been increased from one to two.	PD3-5024-4-PI(A) / PD3-5024-4-EI(A) / PD3-5024-4-SI(A) / PD3-5024-4-PT(A) / PD3-5024-4-ET(A)

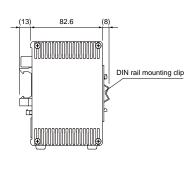
A unit with a PWM frequency of 500 kHz can be made for custom orders. Please contact your sales representative for details.

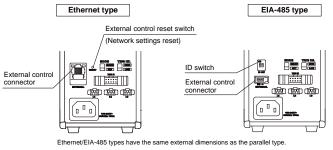
For the effect on brightness due to differences in PWM frequency, refer to P. 327.

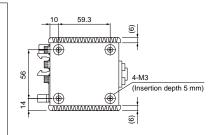
Dimensions (mm)

PD3-3024-3-PI / PD3-3024-3-EI(A) / PD3-3024-3-SI(A) / PD3-3024-3-PT / PD3-3024-3-ET(A) / PD3-5024-3-PT / PD3-5024-3-ET (A)









You can inquire using our website.

Sample Testing Light Unit Selection

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STU-3000

PSB4-30024 PSB3-30024

Diffusion Plates

Fixtures, etc.

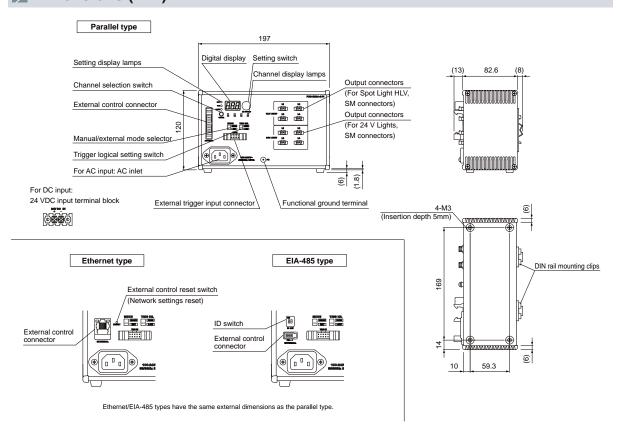
SM/EL Cables

PD3 Series



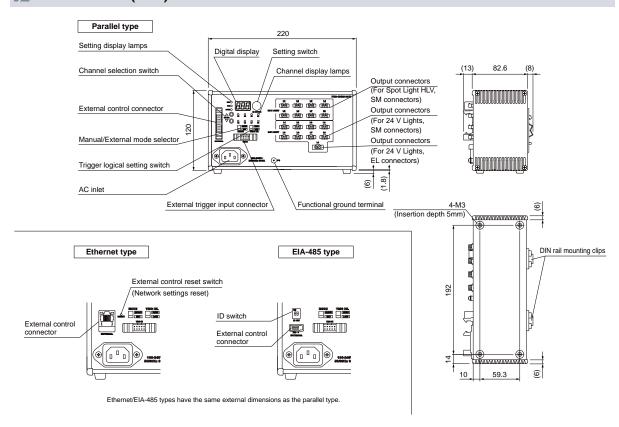
Dimensions (mm)

PD3-5024-4-PI(A) / PD3-5024-4-EI(A) / PD3-5024-4-SI(A) / PD3-5024-4-PT(A) / PD3-5024-4-ET(A)



Dimensions (mm)

PD3-10024-8-PI / PD3-10024-8-EI(A) / PD3-10024-8-SI(A)









PD2

POD

BB

PJ2

PTU2

STU-3000 PSB

CN-4024-2-EIP PB-2430-1 CC-ST-1024

CC-PJ-0707

PSB4-30024 PSB3-30024

Lens Filters Diffusion Plates Polarizing Plates Light Control Films Brackets

Fixtures, etc.

SM/EL Cables

PSCC

▶ P.321

▶ P.333

Dimensions (mm)

Options

External control cables

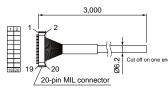
Parallel communication cable

Used for performing external control via parallel communication. You can select the channel, intensity setting and lighting mode (continuous, ON/ OFF and strobe modes).

The Trigger Input Cable (EXCB2-M10-3) shown below is needed for ON/OFF lighting and strobe lighting.



Model name: EXCB2-M20-3



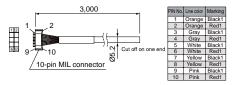
	PIN No.	Line color	Marking	PIN No.	Line color	Marking
	1	Orange	Black1	11	Orange	Black2
	2	Orange	Red1	12	Orange	Red2
	3	Gray	Black1	13	Gray	Black2
	4	Gray	Red1	14	Gray	Red2
	5	White	Black1	15	White	Black2
d	6	White	Red1	16	White	Red2
u	7	Yellow	Black1	17	Yellow	Black2
	8	Yellow	Red1	18	Yellow	Red2
	9	Pink	Black1	19	Pink	Black2
	10	Pink	Red1	20	Pink	Red2

Trigger input cable

Cable through which external trigger signals are input by parallel bit method. Used when performing ON/OFF or strobe lighting using an external trigger signal.

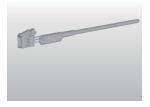


Model name: EXCB2-M10-3

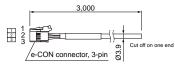


EIA-485 communication cable

Used for performing external control via EIA-485 communication. You can select the channel, intensity setting, ON/OFF setting and lighting mode (continuous, ON/OFF and strobe modes).



Model name: EXCB2-E3-3



PIN No.	Line color	Embedded line color
1	Black	None
2	Black	White
3 (shielded)	Drain wire	None

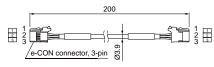
EIA-485 communication relay cable

Relay cable necessary if using with two or more PD3 series units connected for EIA-485 communication.

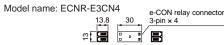
EIA-485 communication relay connector



Model name: EXCB2-E3-E3-0.2



Refer to the material "Connecting EIA-485 Communications Cables" on the website for information on multidrop wiring connections. You can download this information from the product website page

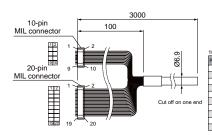


Parallel communication/Trigger input branch cable

Branch cable that combines parallel communication and trigger input cables into a single cable.



Model name: EXCB2-M10M20-3



		1	Orange	Black2
		2	Orange	Red2
		3	Gray	Black2
		4	Gray	Red2
		5	White	Black2
		6	White	Red2
		7	Yellow	Black2
		8	Yellow	Red2
IL conr		9	Pink	Black2
ine color	Marking	10	Pink	Red2
Drange	Black1	11	Orange	Black3
Orange	Red1	12	Orange	Red3
Gray	Black1	13	Gray	Black3
Gray	Red1	14	Gray	Red3
White	Black1	15	White	Black3
White	Red1	16	White	Red3
Yellow	Black1	17	Yellow	Black3
Yellow	Red1	18	Yellow	Red3
Pink	Black1	19	Pink	Black3
Pink	Red1	20	Pink	Red3

PIN No. Line color Marking

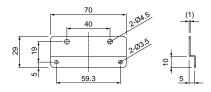
Base brackets

Bracket for securing PD3 series units to the floor, shelving and similar locations.

Base Brackets are included with PD3-5024-4 and PD3-10024-8 models.



Model name: BK-PD3



1 set (2 pieces)

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Light Unit Selection

Free Product

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