LDR2-LA

LDR-LA1

LKR FPR FPQ2 LDL2 LDLB HL TH2 (5 types) TH LFL

Direct SQR SQR-TP HPR2

> Diffused Lighting HPD2 LDM2 LAV PDM

LFX3

PF

UV2

IR2

IU

HLV3

HLV2

HFS/HFR

HLV3-NR

HLV2-NR

PFB3

PFB2

LNSP2

LNSP

LNSD

LND2

HLND LT LNV

LNDG LNIS2 LNIS

LNIS-FN Telecentric Lens

Macro Lens

Coaxial Units LNSP-FN

HLV3-3M-RGB-4

HLV2-3M-RGB-3W

LV LSP

HLDR-IP/ HSL-PCL

LFX3-PT MSU MFU

Convergent Lighting

Line Lights **LNLP** Series

1,000,000 lx or more in illuminance High-illuminance fan-less (natural air-cooling) Line Lights

LED color Size



We will accept special orders for 100 to 3,000 mm length units in steps of 100 mm.



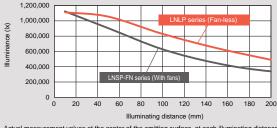
Applications

Inspection for scratches on plate glass, inspection for scratches and dents on sheet metal, inspection for scratches and foreign materials on transparent films, inspection of printing on paper, inspection of the appearance of plastic components, etc.

1,000,000 lx or More in Illuminance

The high-illuminance Line Lights brighter than the conventional fan-type units, despite being fan-less.

Graph of the change in illuminance



Actual measurement values at the center of the emitting surface, at each illuminating distance, 100% intensity. Results for individual products may vary.

Controlling each Light Unit circuit

The light intensity value for each Light Unit circuit can be set through the external control. Also, burn-out errors in LED circuits can be detected.

* The light intensity value can be set for each Light Unit circuit

· Burn-out in LED circuits and other errors can be detected

Control Units for LED Lights PSCC series

For detailed information on the applicable Control Units PSCC series, refer to the product page (P.293).

Optimum Light Unit Shape for Use at the Inspection Sites

For use at the site of inspection, the Light Unit shape is optimized with its light emitting tip shifted to one side of the Light Unit body. As a result, the camera view is not blocked during illumination, and the Light Unit can be installed close to the workpiece.

from a low angle

Close-up illumination





When you configure the system at a shallow angle to the horizontal plane, you can emphasize and take advantage of the marginal difference in reflectivity between the white paper and the ink

Semi-coaxial illumination



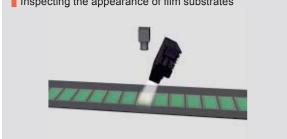




It is possible to take advantage of surface reflection of a clear file; scratches and finger prints, which have a low reflectivity, can be imaged as black

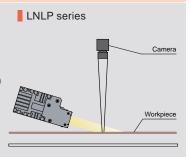
Applications

Inspecting the appearance of film substrates



Example Configuration

Achieves highilluminance despite being fan-less. The constant-current drive system allows for even imaging with a high degree of uniformity.





LDR2-LA

LDR-LA1 SQR SQR-TF

Direct Lighting

Lighting HPR2

Diffused Lighting

LFR

LKR Diffused L

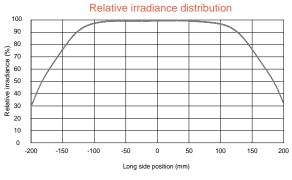
FPR FPQ2

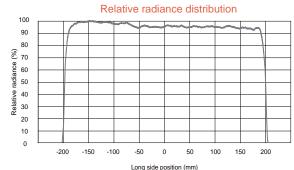
LDL2 LDLB HLDL2

Data (Representative Example)

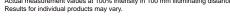
The graph included is for reference only. Actual values may vary

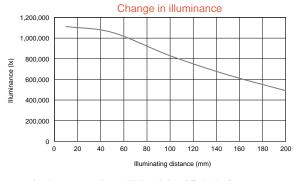
INLP-400SW





Actual measurement values at 100% intensity in 100 mm illuminating distance.





The graph included is for reference only. Actual values may vary.

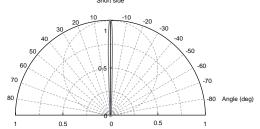


Actual measurement values at 100% intensity in each illuminating distance. Results for individual products may vary.

Actual measurement values when using Analog Control Unit, PSCC-30048(A) Results for individual products may vary.

Illumination distribution characteristics





The graph included is for reference only. Actual values may vary.

Custom Orders E.g.: Changes the location of the connector on the Light Unit case. Light cable The location of the light cable can be changed Top View to match your environment. Connector When the connector location is changed. Connector Normal connector location Light cable

You can inquire using our website.

Light Unit Selection

Free Product

Custom Orders

Pricing/ Quotation Product Details

Discontinued



(Conceptual image)



TH2 (5 types) TH LFL HPD2 LDM2 LAV PDM LFX3 LFX3-PT LFV3 MSU MFU Strobe Lighting HLDR-IP/ HSL-PCL IR2

> HLV2-3M-RGB-3W PFBR PFB3 PFB2 LNSP2 LNSP

ΙU

HLV3 HLV2 LV LSP HFS/HFR HLV3-NR HLV3-3M-RGB-4 HLV2-NR

Coaxial Units LN/LN-HK LND2 HLND

Diffused I LT LNV LNDG LNIS2

LNIS LNIS-FN Telecentric Lens

Macro Lens

LDR2-LA

MFU

HL



Lineup

	Model name	LED color	Power consumption	Correlated color temperature	Extension cables	Recommended Control Units	Weight
Standard products	LNLP-100SW		36 W				1,400 g
	LNLP-200SW		72 W				2,200 g
	LNLP-300SW		108 W		QCBM-DA	PSCC-30048(A)	3,000 g
	LNLP-400SW		144 W		QCB-DA	PSCC-60048(A)	3,800 g
	LNLP-500SW		180 W		QCB-DA	F3CC-00048(A)	4,600 g
	LNLP-600SW		216 W	5,800 K			5,400 g
tanc	LNLP-700SW		252 W				6,200 g
Ş	LNLP-800SW		288 W				7,000 g
	LNLP-900SW		324 W		QCB-DA	PSCC-60048(A)	7,800 g
	LNLP-1000SW		360 W				8,600 g
	LNLP-1100SW		396 W				9,400 g
	LNLP-1200SW		432 W				10,200 g
	LNLP-1300SW		468 W		QCB-DA	PSCC-60048(A)	11,000 g
	LNLP-1400SW		504 W				11,800 g
	LNLP-1500SW	White	540 W				12,600 g
	LNLP-1600SW	vviile	576 W				13,800 g
	LNLP-1700SW		612 W				14,800 g
	LNLP-1800SW		648 W				15,800 g
ers	LNLP-1900SW		684 W				16,800 g
Special orders	LNLP-2000SW		720 W				17,800 g
cial	LNLP-2100SW		756 W		QCB-DA x 2 *	PSCC-60048(A) x 2 *	18,800 g
Spe	LNLP-2200SW		792 W				19,800 g
	LNLP-2300SW		828 W				20,800 g
	LNLP-2400SW		864 W				21,800 g
	LNLP-2500SW		900 W				22,800 g
	LNLP-2600SW		936 W				23,800 g
	LNLP-2700SW		972 W				24,800 g
	LNLP-2800SW		1008 W				25,800 g
	LNLP-2900SW		1044 W				26,800 g
	LNLP-3000SW		1080 W		f sh a l i alas l l ais		27,800 g

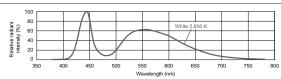
* For sizes 1,600 mm (emitting surface) or longer, a cable connector is located at each end of the Light Unit.

PSCC series Product Page ▶ P.293

We accept custom orders, such as changes to the LED color (red/blue/IR/UV, etc.) and size changes. Inquire at your sales representative for details.

LED Properties





Be sure to read the "Instruction Guide" included with the product before use and follow the safety precautions upon use. The data included is for reference only. Actual values may vary.

Digital Catalogs



SQR

LDR2-LA

LDR-LA1

SQR-TF

HPR2

Direct Lighting

Diffused Lighting

Diffused Lighting

Extension Cables

Necessary when connecting the Light Unit to the recommended Control Unit, PSCC series.

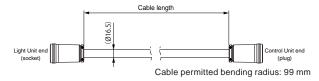
QCBM-DA

	Model name	Cable length	Weight	Applicable Control Unit	
QCE	BM-2-DA	2 m	800 g		
QCE	BM-3-DA	3 m	1,000 g		
QCBM-5-DA		5 m	1,500 g	PSCC-30048(A)	
QCE	BM-10-DA	10 m	2,700 g		
QCE	BM-20-DA	20 m	5,000 g		

(mm) Cable length (Ø12.6) Light Unit end Cable permitted bending radius: 75.6 mm

QCB-DA

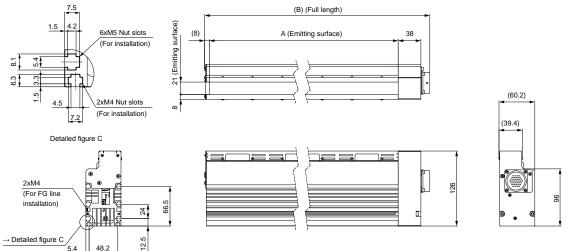
Model name	Cable length	Weight	Applicable Control Unit	
QCB-2-DA	2 m	1,100 g		
QCB-3-DA	3 m	1,500 g		
QCB-5-DA	5 m	2,400 g	PSCC-60048(A)	
QCB-10-DA	10 m	4,600 g		
QCB-20-DA	20 m	8,900 g		



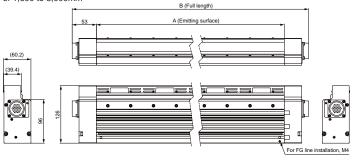
The above cable permitted bending radii are reference values. Actual values may vary.

Dimensions (mm)

● For the emitting surface length of 100 to 1,500mm



● For the emitting surface length of 1,600 to 3,000mm



	Model name	A (Emitting surface)	B (Full length)		Model name	A (Emitting surface)	B (Full length)
products	LNLP-100SW	100	161		LNLP-1600SW	1,600	1,706
	LNLP-200SW	200	261		LNLP-1700SW	1,700	1,806
	LNLP-300SW	300	361	Special orders	LNLP-1800SW	1,800	1,906
	LNLP-400SW	400	461		LNLP-1900SW	1,900	2,006
	LNLP-500SW	500	561		LNLP-2000SW	2,000	2,106
ard	LNLP-600SW	600	661		LNLP-2100SW	2,100	2,206
Standard	LNLP-700SW	700	761		LNLP-2200SW	2,200	2,306
	LNLP-800SW	800	861		LNLP-2300SW	2,300	2,406
	LNLP-900SW	900	961		LNLP-2400SW	2,400	2,506
	LNLP-1000SW	1,000	1,061		LNLP-2500SW	2,500	2,606
2	LNLP-1100SW	1,100	1,161		LNLP-2600SW	2,600	2,706
orders	LNLP-1200SW	1,200	1,261		LNLP-2700SW	2,700	2,806
a	LNLP-1300SW	1,300	1,361		LNLP-2800SW	2,800	2,906
Special	LNLP-1400SW	1,400	1,461		LNLP-2900SW	2,900	3,006
	LNLP-1500SW	1,500	1,561		LNLP-3000SW	3,000	3,106

You can inquire using our website.

Light Unit Selection

Free Product

Custom Orders

Product Details

Pricing/ Quotation Discontinued www.hours-web.com



LFR LKR FPR FPQ2 LDL2 LDLB HLDL2 HL TH2 (5 types) TH LFL HPD2 LDM2 LAV PDM LFX3 LFX3-PT LFV3 Collimated Lighting MED Strobe Lighting HLDR-IP/ Infrared L Lighting L Control L HLV3 HLV2 LV LSP HFS/HFR HLV3-NR HLV3-3M-RGB-4 HLV2-NR

> LNSP2 LNSP Coaxial Units LN/LN-HK LNSD LND2 HLND

HLV2-3M-RGB-3W PFBR PFB3 PFB2

Diffused Lightin LT LNV

Deligue Angled Lighting LNIS2 LNIS2 LNIS LNDG LNIS2

Macro Lens

LNIS-FN Telecentric Lens