

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2023 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____ ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan IPG PHOTONICS CORPORATION 401(K) RETIREMENT PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 03/01/1999
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) IPG PHOTONICS CORPORATION 50 OLD WEBSTER ROAD OXFORD, MA 01540
2b	Employer Identification Number (EIN) 04-3444218
2c	Plan Sponsor's telephone number 508-373-1100
2d	Business code (see instructions) 334200

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	09/10/2024	ANNE DOCIMO
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 2810
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 2177 6a(2) 2285 6b 7 6c 628 6d 2920 6e 2 6f 2922 6g(1) 2691 6g(2) 2823 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
 2F 2G 2J 2K 2S 2T 3D

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4) ☐ **DCG** (Individual Plan Information) – Number Attached _____
- (5) ☐ **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ **A** (Insurance Information) – Number Attached 0
- (4) ☒ **C** (Service Provider Information)
- (5) ☐ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2023 Form M-1 annual report. If the plan was not required to file the 2023 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan IPG PHOTONICS CORPORATION 401(K) RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 IPG PHOTONICS CORPORATION	D Employer Identification Number (EIN) 04-3444218	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 60 64 65	RECORDKEEPER	-4281	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
COL EMRG MKT BOND I - COLUMBIA MGT PO BOX 219104 KANSAS CITY, MO 64121-9104	0.40%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
DRIEHAUS EM GRTH IS - THE NORTHERN 50 BANK STREET CANARY WHARF LONDON, GB E14 5 GB	0.12%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
TRP BLUE CHIP GRTH - T. ROWE PRICE 52-2269240	0.15%	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection
	For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
	A Name of plan IPG PHOTONICS CORPORATION 401(K) RETIREMENT PLAN	B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 IPG PHOTONICS CORPORATION	D Employer Identification Number (EIN) 04-3444218	

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	0
(2) Participant contributions	1b(2)	0	0
(3) Other	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	7290714	8194764
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants)	1c(7)	0	0
(8) Participant loans	1c(8)	3979048	4755624
(9) Value of interest in common/collective trusts	1c(9)	0	0
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	200920556	242296513
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	212190318	255246901
Liabilities			
g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	212190318	255246901

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	5509129	
(B) Participants	2a(1)(B)	17384641	
(C) Others (including rollovers)	2a(1)(C)	1680154	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		24573924
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	373084	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	251986	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		625070
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	7238573	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		7238573
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		0
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		31818267
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		64255834

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	21161952	
(2) To insurance carriers for the provision of benefits.....	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		21161952
f Corrective distributions (see instructions)	2f		493
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		0
i Administrative expenses:			
(1) Salaries and allowances	2i(1)	0	
(2) Contract administrator fees.....	2i(2)	900	
(3) Recordkeeping fees.....	2i(3)	35906	
(4) IQPA audit fees.....	2i(4)	0	
(5) Investment advisory and investment management fees	2i(5)	0	
(6) Bank or trust company trustee/custodial fees	2i(6)	0	
(7) Actuarial fees	2i(7)	0	
(8) Legal fees	2i(8)	0	
(9) Valuation/appraisal fees	2i(9)	0	
(10) Other trustee fees and expenses	2i(10)	0	
(11) Other expenses	2i(11)	0	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		36806
j Total expenses. Add all expense amounts in column (b) and enter total	2j		21199251

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		43056583
l Transfers of assets:			
(1) To this plan	2l(1)		0
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **LEE & CROWLEY, LLC**

(2) EIN: **84-3551139**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) ☐ This form is filed for a CCT, PSA, DCG or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		☒	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		☒	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		☒	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		☒	
e Was this plan covered by a fidelity bond?	☒		5000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		☒	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	☒		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		☒	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		☒	
l Has the plan failed to provide any benefit when due under the plan?		☒	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		☒	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.		☒	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection.
--	--	---

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan IPG PHOTONICS CORPORATION 401(K) RETIREMENT PLAN	B Three-digit plan number (PN) 001	
C Plan sponsor's name as shown on line 2a of Form 5500 IPG PHOTONICS CORPORATION	D Employer Identification Number (EIN) 04-3444218	

Part I	Distributions
--------	---------------

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-6568107 Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
---------	--

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? If the plan is a defined benefit plan, go to line 8.	☐ Yes ☐ No ☐ N/A
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.	
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a
b Enter the amount contributed by the employer to the plan for this plan year	6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c
If you completed line 6c, skip lines 8 and 9.	
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes ☐ No ☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes ☐ No ☐ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.	☐ Increase ☐ Decrease ☐ Both ☐ No
---	--

Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
---------	--

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes ☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes ☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes ☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes ☐ No

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)	14a	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:		
a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

19 If the total number of participants is 1,000 or more, complete lines (a) and (b):

a Enter the percentage of plan assets held as:

Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____%

High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:

☐ 0-5 years ☐ 5-10 years ☐ 10-15 years ☐ 15 years or more

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation. _____

Part VII	IRS Compliance Questions
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21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

☐ Design-based safe harbor method

☐ "Prior year" ADP test

☒ "Current year" ADP test

☐ N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter 06 / 30 / 2020 (MM/DD/YYYY) and the Opinion Letter serial number Q702438A.



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ACCOUNTANTS & ADVISORS

IPG Photonics Corporation 401(k) Retirement Plan

Financial Statements

(and Supplemental Schedule)

**December 31, 2023 and 2022 and for
the Year Ended December 31, 2023**

423 W Broadway, Suite 304
Boston, Massachusetts
www.LeeandCrowley.com
617-356-8220

IPG Photonics Corporation 401(k) Retirement Plan

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Independent Auditor's Report

To the Plan Administrator
IPG Photonics Corporation 401(k) Retirement Plan
Oxford, Massachusetts

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of IPG Photonics Corporation 401(k) Retirement Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C), which comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency ("qualified institution"), provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Management has obtained certifications from a qualified institution as of and for the years ended December 31, 2023 and 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to, or derived from, the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America ("GAAP"); and
- The certified investment information in the accompanying financial statements agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (“GAAS”). Our responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management’s election of the ERISA Section 103(a)(3)(C) audit does not affect management’s responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern for one year after the date that the financial statements are issued, or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor’s Responsibilities for the Audit of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit;
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements;



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- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed;
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements; and
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter — Supplemental Schedule Required by ERISA

The supplemental schedule Form 5500 – Schedule H, Part IV, Line 4(i) – Schedule of Assets (Held at End of Year) as of December 31, 2023, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from, and relates directly to, the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to, or is derived from, the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to, or derived from, the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.



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In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to, or is derived from, the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA; and
- The certified investment information in the supplemental schedule agrees to, or is derived from, in all material respects, the information prepared and certified by a qualified institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Lee & Crowley, LLC

September 5, 2024
Boston, Massachusetts

IPG Photonics Corporation 401(k) Retirement Plan

Statements of Net Assets Available for Benefits

<i>December 31,</i>	<i>2023</i>	<i>2022</i>
Assets:		
Investments , at fair value:		
Mutual funds	\$ 242,296,513	\$ 200,920,556
Money market fund	8,194,764	7,290,714
Total Investments	250,491,277	208,211,270
Receivables:		
Notes receivable from participants	4,755,624	3,979,048
Employer contributions	208,272	267,705
Total Receivables	4,963,896	4,246,753
Net Assets Available for Benefits	\$ 255,455,173	\$ 212,458,023

See accompanying notes to financial statements.

IPG Photonics Corporation 401(k) Retirement Plan

Statement of Changes in Net Assets Available for Benefits

Year ended December 31, 2023

Additions:

Investment Income:

Net appreciation in fair value of investments	\$	31,818,267
Dividend and interest income		7,611,657

Total Investment Income		39,429,924
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Interest Income on Notes Receivable from Participants		251,986
--	--	----------------

Contributions:

Participant deferrals		17,384,641
Employer contributions		5,449,696
Participant rollovers		1,680,154

Total Contributions		24,514,491
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Total Additions		64,196,401
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Deductions:

Benefits paid to participants		21,162,445
Administrative expenses		36,806

Total Deductions		21,199,251
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Net Increase		42,997,150
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Net Assets Available for Benefits, beginning of year		212,458,023
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Net Assets Available for Benefits, end of year	\$	255,455,173
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See accompanying notes to financial statements.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

1. Description of Plan

The following description of the IPG Photonics Corporation 401(k) Retirement Plan (the “Plan”) provides only general information about the Plan’s provisions. Participants should refer to the plan document and summary plan description for a more complete description of the Plan’s provisions.

General

The Plan is a defined contribution plan covering substantially all employees of IPG Photonics Corporation and related employers, Genesis Systems Group, LLC and Genesis Tree Holdings, LLC (referred to collectively as the “Company” or “Employer”) after attaining 21 years of age. Temporary employees and interns are excluded until they reach the age requirement and have completed 1,000 hours of service. The entry date to the Plan is the first day of each month. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). The IPG Photonics Savings Plan Committee, the plan administrator, is responsible for oversight of the Plan, determining the appropriateness of the Plan’s investment offerings, monitoring investment performance, and reporting to the Company’s compensation committee at least annually.

Contributions

Contributions to the Plan are made by both the Company and participants. Participants may elect to defer 401(k) contributions up to 60% of their annual eligible compensation on a pre-tax or after tax (Roth) basis as defined in the Plan, subject to Internal Revenue Service (“IRS”) limitations (\$22,500 in 2023). Participants may elect to change their deferral contributions as of the beginning of each payroll period. With proper notice and approval, the Employer may allow a participant to enter into a special salary reduction agreement to make additional deferral contributions up to 100% of their available compensation, as defined, for the payroll period designated by the Employer, subject to IRS limitations. Participants who have attained age 50 before the end of the plan year are eligible to make catch-up contributions, as defined by the Plan and subject to IRS limitations (\$7,500 in 2023). Participants may also contribute amounts representing distributions from other qualified benefit or contribution plans. Participants direct the investment of their contributions into various investment options offered by the Plan. The Plan includes an auto-enrollment feature whereby all newly eligible employees are automatically enrolled in the Plan as soon as administratively feasible on or after the participant’s entry date, as defined, unless the participant affirmatively elects to change or revoke such deferral contributions. Automatically enrolled participants have their deferral rate set at 3% of eligible compensation, and their contributions are invested in a designated balanced fund until changed by the participant. Under the automatic enrollment provisions of the Plan, the Employer may automatically increase the participant contributions by 1% on or about June 30 (unless automatically enrolled for less than six months) until they reach a maximum of 10%. The Company makes a non-discretionary employer matching contribution of 50% of a participant’s deferrals, up to 6% of eligible compensation contributed to the Plan, which is calculated for each plan year.

Participant Accounts

Each participant’s account is credited with the participant’s contributions and company contributions, as well as an allocation of the plan earnings. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account. Administrative expenses for participant directed transactions such as loan requests and other withdrawal requests are charged directly to the participant’s respective account upon initiation by the participant. All other administrative expenses incurred by the Plan are paid by the Company.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

Vesting

Participants are vested immediately in their contributions and employer matching contributions, and all earnings thereon.

Notes Receivable from Participants

Participants may borrow from their accounts a minimum of \$1,000 up to a maximum equal to the lesser of (1) \$50,000 or (2) 50% of their vested account balance. Note terms range from one to five years in most cases, or ten years if proceeds are used for the purchase of a primary residence. The notes are secured by the balance in the participant's account and bear interest at a rate that is commensurate with local prevailing rates, as determined by the plan administrator. A participant may take only one new note receivable during the plan year, and may not have more than one note receivable outstanding at any given time. Principal and interest are paid ratably through payroll deductions and interest is recognized as income when received. Certain direct fees are charged to the participant to set up and maintain the note.

Payment of Benefits

Upon termination of service due to death, disability, or retirement, a participant, or a participant's beneficiary in the case of death, may elect to receive an amount equal to the value of the participant's vested interest in his or her account in a lump sum or in periodic installments. For termination of service due to other reasons, a participant may receive the value of the vested interest in his or her account as a lump-sum distribution. Distributions generally require written consent; however, the Plan provides for the direct rollovers to an individual retirement account ("IRA") for terminated participants with vested balances greater than \$1,000 and not more than \$5,000, unless directed otherwise by the participant. The Plan also allows the plan administrator to automatically distribute the entire vested account balance of terminated participants with vested account balances of \$1,000 or less, unless otherwise directed by the participant. Participants are eligible for in service distributions of any portion of their account balance after attaining the age of 59 ½. Before age 59 ½ withdrawals can be made in the event of demonstrated financial hardship, as provided in the plan document. Terminated participants are required by law to receive minimum distributions by April 1 of the year following the year they turn 72.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Use of Estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset, or paid to transfer a liability, in an orderly transaction between market participants at the measurement date. The

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

IPG Photonics Savings Plan Committee determines the Plan's valuation policies utilizing information provided by the investment advisors, the custodian, and the trustee. See Note 4 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold, as well as held, during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2023 and 2022. Delinquent notes receivable are reclassified as distributions based upon terms of the plan document.

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

Certain expenses of maintaining the Plan are paid directly by the Company and are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. The Plan has entered into a revenue credit agreement with the plan trustee to reduce participant expenses. As a result, a revenue credit of \$41,087 was allocated to eligible participants in the 2023 plan year. Investment related expenses are included in net appreciation/depreciation in fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through September 5, 2024, the date the financial statements were available to be issued.

3. Certified Investments

The plan administrator has elected the method of compliance permitted by ERISA Section 103(a)(3)(c) pursuant to Section 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Fidelity Management Trust Company, the trustee of the Plan, has certified to the completeness and accuracy of all investments and notes receivable from participants reflected on the accompanying statements of net assets available for benefits as of December 31, 2023 and 2022, the supplemental schedule, Form 5500 - Schedule H, Part IV, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2023, and the related investment activity reflected on the statement of changes in net assets available for benefits for the year ended December 31, 2023. The Plan's independent auditors did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3).

The three levels of the fair value hierarchy under *Financial Accounting Standards Board* (“FASB”) *Accounting Standard Codification* (“ASC”) 820 are described as follows:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability; and
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to their fair value measurement.

The asset’s or liability’s fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

There have been no changes in the methodologies used at December 31, 2023 and 2022.

Following is a description of the valuation methodologies used for assets measured at fair value:

Mutual Funds and Money Market Fund

Investments of mutual and money market funds are valued at the daily closing price as reported by the fund. Investments held by the Plan are registered with the Securities and Exchange Commission. The mutual funds are required to publish their daily net asset value (“NAV”) and to transact at that price. The investments held by the Plan are deemed to be actively traded.

The following tables set forth by level, within the fair value hierarchy, the Plan’s assets at fair value:

<i>Investments at fair value as of December 31, 2023</i>		Level 1
Mutual funds	\$	242,296,513
Money market fund		8,194,764
Total Investments at Fair Value	\$	250,491,277

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

<i>Investments at fair value as of December 31, 2022</i>		Level 1
Mutual funds	\$	200,920,556
Money market fund		7,290,714
Total Investments at Fair Value	\$	208,211,270

5. Related-Party Transactions and Party-in-Interest Transactions

Certain plan investments are shares of registered investment companies and managed by Fidelity Management Trust Company. Fidelity Management Trust Company is the trustee as defined by the Plan, therefore, any transactions between Fidelity Management Trust Company and the Plan qualify as party-in-interest transactions. The Plan made direct payments to Fidelity Management Trust Company totaling \$36,806 which are included in administrative expenses during the year ended December 31, 2023. The Plan extends notes receivable to participants which are also considered party-in-interest transactions.

Certain administrative functions are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan. As described in Note 2, the Company also pays certain administrative expenses of the Plan.

6. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants would remain 100% vested in their employer contributions.

7. Tax Status

The Company, as the Plan's sponsor, adopted a Non-Standardized Pre-Approved Profit Sharing Plan which received an IRS opinion letter dated June 30, 2020, which states that the plan document satisfies the applicable sections of the Internal Revenue Code ("IRC"). Although the Plan has been amended since receiving the opinion letter, the Plan's management and Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and, therefore, believe that the Plan is qualified and was tax exempt as of the financial statement date.

U.S. GAAP requires plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the plan has taken an uncertain position that more likely than not would not be sustained upon examination by the federal and state taxing authorities. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress, and plan management does not believe the Plan has any uncertain tax positions as of December 31, 2023.

8. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

that such changes could materially affect participant account balances and the amounts reported on the statements of net assets available for benefits.

9. Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of the net assets available for benefits per the financial statements to Form 5500:

<i>December 31,</i>	<i>2023</i>	<i>2022</i>
Net Assets Available for Benefits Per the Financial Statements	\$ 255,455,173	\$ 212,458,023
Employer contributions receivable	(208,272)	(267,705)
Net Assets Available for Benefits Per Form 5500	\$ 255,246,901	\$ 212,190,318

The following is a reconciliation of contributions per the financial statements to Form 5500:

<i>Year ended December 31, 2023</i>	
Total Contributions per the Financial Statements	\$ 24,514,491
Employer contributions receivable at end of year	(208,272)
Employer contributions receivable at beginning of year	267,705
Total Contributions Per Form 5500	\$ 24,573,924

IPG Photonics Corporation 401(k) Retirement Plan

Form 5500 - Schedule H, Part IV, Line 4(i) - Schedule of Assets (Held at End of Year)

					EIN:	04-3444218
December 31, 2023					Plan Number:	001
(a)	(b) Identity of Issue, Borrower, Lessor or Similar Party	(c) Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(d) Cost**	(e) Current Value		
* Fidelity 500 Index Fund Investor Class		Registered Investment Company	\$	21,069,693		
Vanguard Target Retirement 2030		Registered Investment Company		17,564,342		
Vanguard Target Retirement 2035		Registered Investment Company		16,038,819		
T. Rowe Price Blue Chip Growth Fund I		Registered Investment Company		15,547,299		
Vanguard Target Retirement 2025		Registered Investment Company		13,570,845		
* Fidelity Extended Market Index Fund Premium Class		Registered Investment Company		13,425,595		
Vanguard Target Retirement 2045		Registered Investment Company		12,941,399		
Vanguard Target Retirement 2040		Registered Investment Company		11,304,197		
* Fidelity Select Technology Portfolio		Registered Investment Company		11,067,846		
Metropolitan West Total Return Bond Fund		Registered Investment Company		10,555,557		
Vanguard Target Retirement 2050		Registered Investment Company		10,539,395		
Vanguard Target Retirement 2055		Registered Investment Company		8,404,166		
Gabelli U.S. Treasury Money Market Fund Class AAA		Money Market Fund		8,194,764		
Driehaus Emerging Markets Growth		Registered Investment Company		7,901,911		
Delaware Value Fund		Registered Investment Company		7,784,093		
Vanguard International Growth Fund Admiral Shares		Registered Investment Company		7,035,554		
Vanguard Small Cap Index Fund Institutional Shares		Registered Investment Company		6,447,996		
Vanguard Target Retirement 2020		Registered Investment Company		6,382,728		
Invesco Small Cap Value Fund		Registered Investment Company		5,735,647		
Vanguard Target Retirement 2060		Registered Investment Company		5,713,771		
* Fidelity International Index Fund Premium Class		Registered Investment Company		4,833,884		
Invesco Gold and Special Minerals A Fund		Registered Investment Company		4,215,394		
Eaton Vance Floating- Rate Advantage A Fund		Registered Investment Company		3,673,757		
Columbia Emerging Markets Bond I3		Registered Investment Company		3,664,991		
Prudential Jennison Health Sciences Fund		Registered Investment Company		3,663,715		
Vanguard Real Estate Index Fund Admiral Shares		Registered Investment Company		3,613,950		
Vanguard Target Retirement Income Fund		Registered Investment Company		3,246,643		
Vanguard Energy Fund Admiral Shares		Registered Investment Company		2,005,553		
Eaton Vance Income Fund of Boston A Fund		Registered Investment Company		1,729,391		
Federated Hermes Total Return Government Bond Fund Class R6		Registered Investment Company		1,375,926		
American Century Inflation Adjusted Bond Fund		Registered Investment Company		1,242,456		
Total Investments per Financial Statements						250,491,277
* Notes Receivable from Participants		Interest rates ranging from 4.25% to 9.50% with maturity dates through December 2033		4,755,624		
Total Investments per Form 5500				\$		255,246,901

* Party-in-interest as defined by ERISA

** Cost information is not required for participant directed investments.



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ACCOUNTANTS & ADVISORS

IPG Photonics Corporation 401(k) Retirement Plan

Financial Statements

(and Supplemental Schedule)

**December 31, 2023 and 2022 and for
the Year Ended December 31, 2023**

423 W Broadway, Suite 304
Boston, Massachusetts
www.LeeandCrowley.com
617-356-8220

IPG Photonics Corporation 401(k) Retirement Plan

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Independent Auditor's Report

To the Plan Administrator
IPG Photonics Corporation 401(k) Retirement Plan
Oxford, Massachusetts

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of IPG Photonics Corporation 401(k) Retirement Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C), which comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency ("qualified institution"), provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Management has obtained certifications from a qualified institution as of and for the years ended December 31, 2023 and 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to, or derived from, the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America ("GAAP"); and
- The certified investment information in the accompanying financial statements agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (“GAAS”). Our responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management’s election of the ERISA Section 103(a)(3)(C) audit does not affect management’s responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern for one year after the date that the financial statements are issued, or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor’s Responsibilities for the Audit of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit;
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements;



LEE AND CROWLEY

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed;
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements; and
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter — Supplemental Schedule Required by ERISA

The supplemental schedule Form 5500 – Schedule H, Part IV, Line 4(i) – Schedule of Assets (Held at End of Year) as of December 31, 2023, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from, and relates directly to, the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to, or is derived from, the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to, or derived from, the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.



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In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to, or is derived from, the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA; and
- The certified investment information in the supplemental schedule agrees to, or is derived from, in all material respects, the information prepared and certified by a qualified institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Lee & Crowley, LLC

September 5, 2024
Boston, Massachusetts

IPG Photonics Corporation 401(k) Retirement Plan

Statements of Net Assets Available for Benefits

<i>December 31,</i>	<i>2023</i>	<i>2022</i>
Assets:		
Investments , at fair value:		
Mutual funds	\$ 242,296,513	\$ 200,920,556
Money market fund	8,194,764	7,290,714
Total Investments	250,491,277	208,211,270
Receivables:		
Notes receivable from participants	4,755,624	3,979,048
Employer contributions	208,272	267,705
Total Receivables	4,963,896	4,246,753
Net Assets Available for Benefits	\$ 255,455,173	\$ 212,458,023

See accompanying notes to financial statements.

IPG Photonics Corporation 401(k) Retirement Plan

Statement of Changes in Net Assets Available for Benefits

Year ended December 31, 2023

Additions:

Investment Income:

Net appreciation in fair value of investments	\$	31,818,267
Dividend and interest income		7,611,657

Total Investment Income		39,429,924
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Interest Income on Notes Receivable from Participants		251,986
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Contributions:

Participant deferrals		17,384,641
Employer contributions		5,449,696
Participant rollovers		1,680,154

Total Contributions		24,514,491
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Total Additions		64,196,401
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Deductions:

Benefits paid to participants		21,162,445
Administrative expenses		36,806

Total Deductions		21,199,251
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Net Increase		42,997,150
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Net Assets Available for Benefits, beginning of year		212,458,023
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Net Assets Available for Benefits, end of year	\$	255,455,173
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See accompanying notes to financial statements.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

1. Description of Plan

The following description of the IPG Photonics Corporation 401(k) Retirement Plan (the “Plan”) provides only general information about the Plan’s provisions. Participants should refer to the plan document and summary plan description for a more complete description of the Plan’s provisions.

General

The Plan is a defined contribution plan covering substantially all employees of IPG Photonics Corporation and related employers, Genesis Systems Group, LLC and Genesis Tree Holdings, LLC (referred to collectively as the “Company” or “Employer”) after attaining 21 years of age. Temporary employees and interns are excluded until they reach the age requirement and have completed 1,000 hours of service. The entry date to the Plan is the first day of each month. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). The IPG Photonics Savings Plan Committee, the plan administrator, is responsible for oversight of the Plan, determining the appropriateness of the Plan’s investment offerings, monitoring investment performance, and reporting to the Company’s compensation committee at least annually.

Contributions

Contributions to the Plan are made by both the Company and participants. Participants may elect to defer 401(k) contributions up to 60% of their annual eligible compensation on a pre-tax or after tax (Roth) basis as defined in the Plan, subject to Internal Revenue Service (“IRS”) limitations (\$22,500 in 2023). Participants may elect to change their deferral contributions as of the beginning of each payroll period. With proper notice and approval, the Employer may allow a participant to enter into a special salary reduction agreement to make additional deferral contributions up to 100% of their available compensation, as defined, for the payroll period designated by the Employer, subject to IRS limitations. Participants who have attained age 50 before the end of the plan year are eligible to make catch-up contributions, as defined by the Plan and subject to IRS limitations (\$7,500 in 2023). Participants may also contribute amounts representing distributions from other qualified benefit or contribution plans. Participants direct the investment of their contributions into various investment options offered by the Plan. The Plan includes an auto-enrollment feature whereby all newly eligible employees are automatically enrolled in the Plan as soon as administratively feasible on or after the participant’s entry date, as defined, unless the participant affirmatively elects to change or revoke such deferral contributions. Automatically enrolled participants have their deferral rate set at 3% of eligible compensation, and their contributions are invested in a designated balanced fund until changed by the participant. Under the automatic enrollment provisions of the Plan, the Employer may automatically increase the participant contributions by 1% on or about June 30 (unless automatically enrolled for less than six months) until they reach a maximum of 10%. The Company makes a non-discretionary employer matching contribution of 50% of a participant’s deferrals, up to 6% of eligible compensation contributed to the Plan, which is calculated for each plan year.

Participant Accounts

Each participant’s account is credited with the participant’s contributions and company contributions, as well as an allocation of the plan earnings. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account. Administrative expenses for participant directed transactions such as loan requests and other withdrawal requests are charged directly to the participant’s respective account upon initiation by the participant. All other administrative expenses incurred by the Plan are paid by the Company.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

Vesting

Participants are vested immediately in their contributions and employer matching contributions, and all earnings thereon.

Notes Receivable from Participants

Participants may borrow from their accounts a minimum of \$1,000 up to a maximum equal to the lesser of (1) \$50,000 or (2) 50% of their vested account balance. Note terms range from one to five years in most cases, or ten years if proceeds are used for the purchase of a primary residence. The notes are secured by the balance in the participant's account and bear interest at a rate that is commensurate with local prevailing rates, as determined by the plan administrator. A participant may take only one new note receivable during the plan year, and may not have more than one note receivable outstanding at any given time. Principal and interest are paid ratably through payroll deductions and interest is recognized as income when received. Certain direct fees are charged to the participant to set up and maintain the note.

Payment of Benefits

Upon termination of service due to death, disability, or retirement, a participant, or a participant's beneficiary in the case of death, may elect to receive an amount equal to the value of the participant's vested interest in his or her account in a lump sum or in periodic installments. For termination of service due to other reasons, a participant may receive the value of the vested interest in his or her account as a lump-sum distribution. Distributions generally require written consent; however, the Plan provides for the direct rollovers to an individual retirement account ("IRA") for terminated participants with vested balances greater than \$1,000 and not more than \$5,000, unless directed otherwise by the participant. The Plan also allows the plan administrator to automatically distribute the entire vested account balance of terminated participants with vested account balances of \$1,000 or less, unless otherwise directed by the participant. Participants are eligible for in service distributions of any portion of their account balance after attaining the age of 59 ½. Before age 59 ½ withdrawals can be made in the event of demonstrated financial hardship, as provided in the plan document. Terminated participants are required by law to receive minimum distributions by April 1 of the year following the year they turn 72.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

Use of Estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset, or paid to transfer a liability, in an orderly transaction between market participants at the measurement date. The

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

IPG Photonics Savings Plan Committee determines the Plan's valuation policies utilizing information provided by the investment advisors, the custodian, and the trustee. See Note 4 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold, as well as held, during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2023 and 2022. Delinquent notes receivable are reclassified as distributions based upon terms of the plan document.

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

Certain expenses of maintaining the Plan are paid directly by the Company and are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. The Plan has entered into a revenue credit agreement with the plan trustee to reduce participant expenses. As a result, a revenue credit of \$41,087 was allocated to eligible participants in the 2023 plan year. Investment related expenses are included in net appreciation/depreciation in fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through September 5, 2024, the date the financial statements were available to be issued.

3. Certified Investments

The plan administrator has elected the method of compliance permitted by ERISA Section 103(a)(3)(c) pursuant to Section 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Fidelity Management Trust Company, the trustee of the Plan, has certified to the completeness and accuracy of all investments and notes receivable from participants reflected on the accompanying statements of net assets available for benefits as of December 31, 2023 and 2022, the supplemental schedule, Form 5500 - Schedule H, Part IV, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2023, and the related investment activity reflected on the statement of changes in net assets available for benefits for the year ended December 31, 2023. The Plan's independent auditors did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3).

The three levels of the fair value hierarchy under *Financial Accounting Standards Board* (“FASB”) *Accounting Standard Codification* (“ASC”) 820 are described as follows:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability; and
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to their fair value measurement.

The asset’s or liability’s fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

There have been no changes in the methodologies used at December 31, 2023 and 2022.

Following is a description of the valuation methodologies used for assets measured at fair value:

Mutual Funds and Money Market Fund

Investments of mutual and money market funds are valued at the daily closing price as reported by the fund. Investments held by the Plan are registered with the Securities and Exchange Commission. The mutual funds are required to publish their daily net asset value (“NAV”) and to transact at that price. The investments held by the Plan are deemed to be actively traded.

The following tables set forth by level, within the fair value hierarchy, the Plan’s assets at fair value:

<i>Investments at fair value as of December 31, 2023</i>		Level 1
Mutual funds	\$	242,296,513
Money market fund		8,194,764
Total Investments at Fair Value	\$	250,491,277

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

<i>Investments at fair value as of December 31, 2022</i>		Level 1
Mutual funds	\$	200,920,556
Money market fund		7,290,714
Total Investments at Fair Value	\$	208,211,270

5. Related-Party Transactions and Party-in-Interest Transactions

Certain plan investments are shares of registered investment companies and managed by Fidelity Management Trust Company. Fidelity Management Trust Company is the trustee as defined by the Plan, therefore, any transactions between Fidelity Management Trust Company and the Plan qualify as party-in-interest transactions. The Plan made direct payments to Fidelity Management Trust Company totaling \$36,806 which are included in administrative expenses during the year ended December 31, 2023. The Plan extends notes receivable to participants which are also considered party-in-interest transactions.

Certain administrative functions are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan. As described in Note 2, the Company also pays certain administrative expenses of the Plan.

6. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants would remain 100% vested in their employer contributions.

7. Tax Status

The Company, as the Plan's sponsor, adopted a Non-Standardized Pre-Approved Profit Sharing Plan which received an IRS opinion letter dated June 30, 2020, which states that the plan document satisfies the applicable sections of the Internal Revenue Code ("IRC"). Although the Plan has been amended since receiving the opinion letter, the Plan's management and Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and, therefore, believe that the Plan is qualified and was tax exempt as of the financial statement date.

U.S. GAAP requires plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the plan has taken an uncertain position that more likely than not would not be sustained upon examination by the federal and state taxing authorities. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress, and plan management does not believe the Plan has any uncertain tax positions as of December 31, 2023.

8. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and

IPG Photonics Corporation 401(k) Retirement Plan

Notes to Financial Statements

that such changes could materially affect participant account balances and the amounts reported on the statements of net assets available for benefits.

9. Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of the net assets available for benefits per the financial statements to Form 5500:

<i>December 31,</i>	<i>2023</i>	<i>2022</i>
Net Assets Available for Benefits Per the Financial Statements	\$ 255,455,173	\$ 212,458,023
Employer contributions receivable	(208,272)	(267,705)
Net Assets Available for Benefits Per Form 5500	\$ 255,246,901	\$ 212,190,318

The following is a reconciliation of contributions per the financial statements to Form 5500:

<i>Year ended December 31, 2023</i>		
Total Contributions per the Financial Statements	\$	24,514,491
Employer contributions receivable at end of year		(208,272)
Employer contributions receivable at beginning of year		267,705
Total Contributions Per Form 5500	\$	24,573,924

IPG Photonics Corporation 401(k) Retirement Plan

Form 5500 - Schedule H, Part IV, Line 4(i) - Schedule of Assets (Held at End of Year)

					EIN:	04-3444218
December 31, 2023					Plan Number:	001
(a)	(b) Identity of Issue, Borrower, Lessor or Similar Party	(c) Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(d) Cost**	(e) Current Value		
* Fidelity 500 Index Fund Investor Class		Registered Investment Company	\$	21,069,693		
Vanguard Target Retirement 2030		Registered Investment Company		17,564,342		
Vanguard Target Retirement 2035		Registered Investment Company		16,038,819		
T. Rowe Price Blue Chip Growth Fund I		Registered Investment Company		15,547,299		
Vanguard Target Retirement 2025		Registered Investment Company		13,570,845		
* Fidelity Extended Market Index Fund Premium Class		Registered Investment Company		13,425,595		
Vanguard Target Retirement 2045		Registered Investment Company		12,941,399		
Vanguard Target Retirement 2040		Registered Investment Company		11,304,197		
* Fidelity Select Technology Portfolio		Registered Investment Company		11,067,846		
Metropolitan West Total Return Bond Fund		Registered Investment Company		10,555,557		
Vanguard Target Retirement 2050		Registered Investment Company		10,539,395		
Vanguard Target Retirement 2055		Registered Investment Company		8,404,166		
Gabelli U.S. Treasury Money Market Fund Class AAA		Money Market Fund		8,194,764		
Driehaus Emerging Markets Growth		Registered Investment Company		7,901,911		
Delaware Value Fund		Registered Investment Company		7,784,093		
Vanguard International Growth Fund Admiral Shares		Registered Investment Company		7,035,554		
Vanguard Small Cap Index Fund Institutional Shares		Registered Investment Company		6,447,996		
Vanguard Target Retirement 2020		Registered Investment Company		6,382,728		
Invesco Small Cap Value Fund		Registered Investment Company		5,735,647		
Vanguard Target Retirement 2060		Registered Investment Company		5,713,771		
* Fidelity International Index Fund Premium Class		Registered Investment Company		4,833,884		
Invesco Gold and Special Minerals A Fund		Registered Investment Company		4,215,394		
Eaton Vance Floating- Rate Advantage A Fund		Registered Investment Company		3,673,757		
Columbia Emerging Markets Bond I3		Registered Investment Company		3,664,991		
Prudential Jennison Health Sciences Fund		Registered Investment Company		3,663,715		
Vanguard Real Estate Index Fund Admiral Shares		Registered Investment Company		3,613,950		
Vanguard Target Retirement Income Fund		Registered Investment Company		3,246,643		
Vanguard Energy Fund Admiral Shares		Registered Investment Company		2,005,553		
Eaton Vance Income Fund of Boston A Fund		Registered Investment Company		1,729,391		
Federated Hermes Total Return Government Bond Fund Class R6		Registered Investment Company		1,375,926		
American Century Inflation Adjusted Bond Fund		Registered Investment Company		1,242,456		
Total Investments per Financial Statements						250,491,277
* Notes Receivable from Participants		Interest rates ranging from 4.25% to 9.50% with maturity dates through December 2033		4,755,624		
Total Investments per Form 5500				\$		255,246,901

* Party-in-interest as defined by ERISA

** Cost information is not required for participant directed investments.