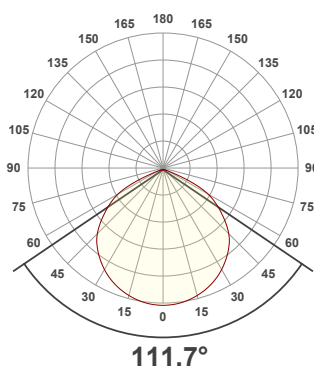


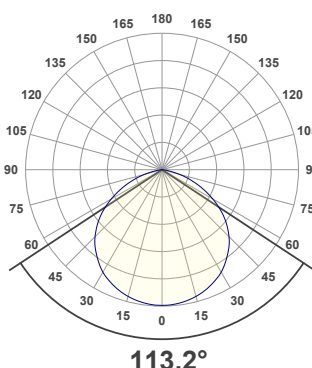
PRODUCT INFORMATION

MEASUREMENT SERIAL NUMBER:	PH-GVA-2023.Dec.15-2192-VO
DATE OF MEASUREMENT:	12/15/2023
MANUFACTURER:	GVA LIGHTING, INC.
PRODUCT NAME:	HIGHLIGHTER SERIES, HL-GEN4
SIZE (width x length x height):	23.3 mm x 298 mm x 35.5 mm
LOT:	GP-5-G/HR-4-L/RO-4-L/U73GY1
PROFILE LEGEND:	DLN – NICHE, DL – CLAMPING, CM – CLEAR MATTE, F – FLAT, R – ROUND, BM – BLACK MATTE, SW – SATIN WHITE, B – BLACK, COVE-F – COVE FIXED, (RGBW) – ALL CHANNELS ON, COVE-OD – COVE OUTDOOR, (R) – RED, (G) – GREEN, INF – INFINITY 380 V DC, ELV – 48 V DC, (B) – BLUE, (W) – WHITE

ANGULAR DISTRIBUTION AT C0/180



ANGULAR DISTRIBUTION AT C90/270



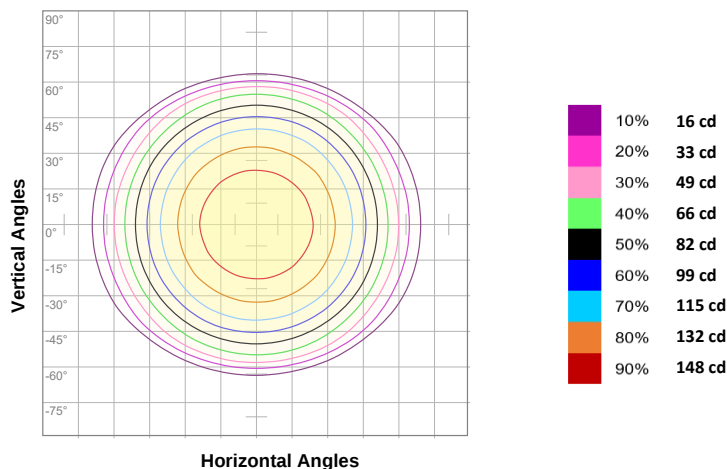
LIGHT OUTPUT DATA

TOTAL LUMEN OUTPUT:	447 lm
EFFICACY:	96 lm/W
PEAK INTENSITY:	165 cd
COLOR RENDERING INDEX (CRI):	82.3
COLOR TEMPERATURE (CCT):	3165K
FIDELITY INDEX (TM30Rf):	84.5
GAMUT INDEX (TM30Rg):	95.9

BEAM OUTPUT DATA

BEAM ANGLE (FWHM) C0/180:	111.7°
BEAM ANGLE (FWHM) C90/270:	113.2°
FIELD ANGLE (10%) C0/180:	141.2°
FIELD ANGLE (10%) C90/270:	153.7°
NUMBER OF PLANES MEASURED:	18

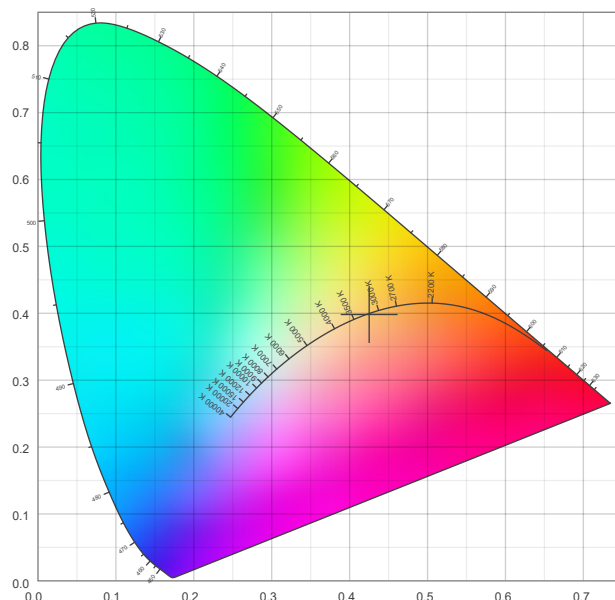
ISOCANDELA DIAGRAM



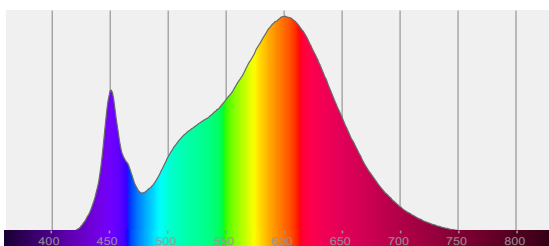
POWER OUTPUT DATA

INPUT POWER:	4.7 W
INPUT VOLTAGE:	380 V DC
INPUT CURRENT:	0.012 A
POWER FACTOR:	1.0
OPTICAL POWER:	1.34 mW
PEAK WAVELENGTH:	601 nm
DOMINANT WAVELENGTH:	583 nm

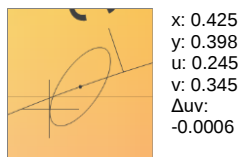
CIE 1931



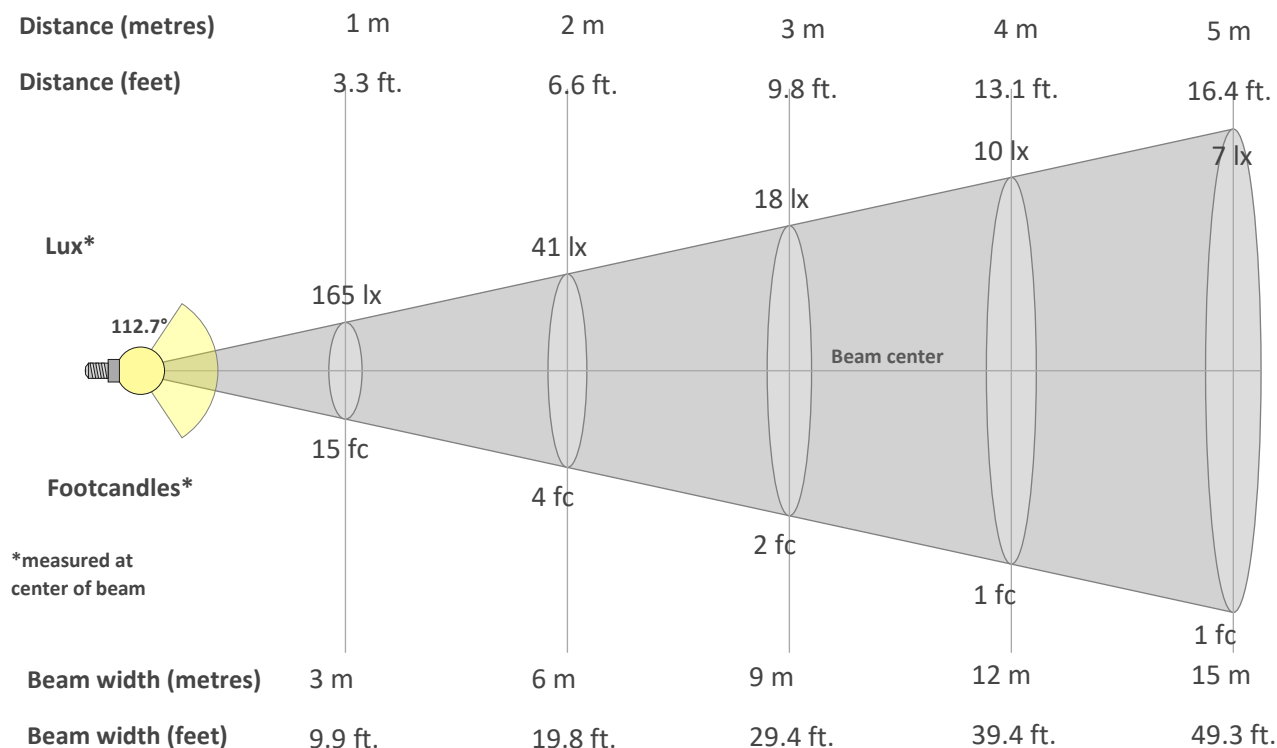
SPECTRAL DISTRIBUTION



CIE 1931 ZOOM



BEAM DETAILS



Beam intensity from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
165lx	41lx	18lx	10lx	7lx	5lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx
15.3fc	3.8fc	1.7fc	1fc	0.6fc	0.4fc	0.3fc	0.2fc	0.2fc	0.2fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0.1fc	0fc	0fc	0fc

Intensity in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
165	164	162	158	154	149	142	134	125	114	100	85	69	47	19	7	3	1	0	0
100%	100%	98%	96%	94%	90%	86%	81%	76%	70%	61%	52%	42%	28%	12%	4%	2%	0%	0%	0%

Intensity in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
165	164	162	159	155	150	144	135	126	115	102	88	71	54	38	22	8	2	0	0
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	62%	53%	43%	33%	23%	13%	5%	1%	0%	0%

Intensity in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
165	164	162	158	154	149	142	134	125	114	100	85	69	47	19	7	3	1	0	0
100%	100%	98%	96%	94%	90%	86%	81%	76%	70%	61%	52%	42%	28%	12%	4%	2%	0%	0%	0%

Intensity in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
165	164	162	159	155	150	144	135	126	115	102	88	71	54	38	22	8	2	0	0
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	62%	53%	43%	33%	23%	13%	5%	1%	0%	0%