



PHOENIX SERIES

By HanleyLED

RISE TO BRIGHTNESS



HanleyLED

CC
constant
current

114
(lm/W)

1
AND
DONE

QC
quality
components

IBC
identical
bin codes

1 bag = (1) 100w driver

BRIGHT



PF-2080

BRIGHTEST



PF-4180

BRIGHTER



PF-3120

PHOENIX SERIES SPACING CHART

LED MODULE	DEPTH	SPACE BETWEEN ROWS	SPACE BETWEEN MODULES
PF-2080	2.5"	SINGLE STROKE 6" MULTIPLE STROKE 5"	6"
	3"	SINGLE STROKE 8" MULTIPLE STROKE 6"	6.89"
	4"	SINGLE STROKE 10" MULTIPLE STROKE 8"	6.89"
	5"	SINGLE STROKE 13" MULTIPLE STROKE 10"	6.89"
	6"-10"	SINGLE STROKE 15" MULTIPLE STROKE 10"	6.89"
PF-4180	3"	SINGLE STROKE 8" MULTIPLE STROKE 6"	7"
	4"	SINGLE STROKE 10" MULTIPLE STROKE 8"	7"
	5"	SINGLE STROKE 14" MULTIPLE STROKE 10"	7.52"
	6"	SINGLE STROKE 18" MULTIPLE STROKE 15"	7.52"
	7"	SINGLE STROKE 22" MULTIPLE STROKE 15"	7.52"
	8"-12"	SINGLE STROKE 24" MULTIPLE STROKE 18"	7.52"
PF-3120	3"	SINGLE STROKE 8" MULTIPLE STROKE 6"	7"
	4"	SINGLE STROKE 10" MULTIPLE STROKE 8"	7"
	5"	SINGLE STROKE 14" MULTIPLE STROKE 10"	8"
	6"	SINGLE STROKE 16" MULTIPLE STROKE 12"	8"
	7"	SINGLE STROKE 18" MULTIPLE STROKE 12"	8"
	8"-12"	SINGLE STROKE 20" MULTIPLE STROKE 16"	8"

Note: Spacing may vary depending on face material and desired brightness

Phoenix Series

PF-2080



LM79 LM80 L70:5+ YEARS

Features

- Brighter signs with less power (114 lm/watt)
- Energy efficient & constant current
- Premium components, high efficiency chips, and great heat dissipation for longer, reliable life.
- 14" max stroke
- Guaranteed life over 50,000 hours
- Identical Bin Code-One Color Guarantee
- DIY Layout Tool at hanleyledsolutions.com (Available in English, Spanish, and French)

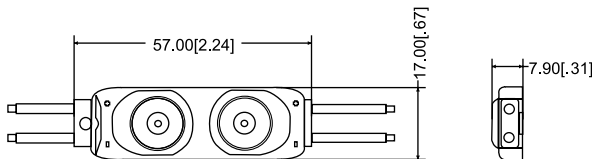
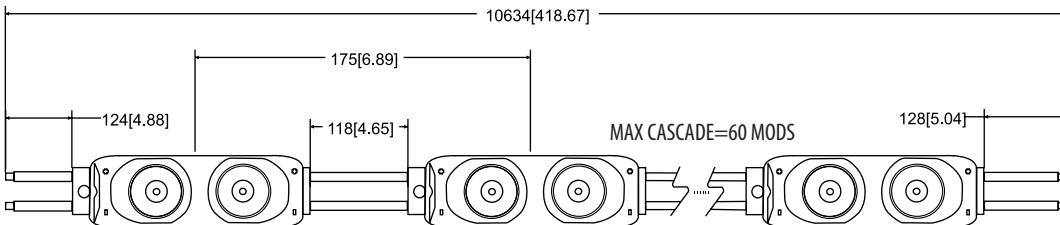
Specifications

Viewing Angle	170° Phoenix Wing Optics
Input Voltage	12vDC
Watts	.8w/mod (1.39w/ft.)
Luminous Efficacy	114 (lm/W)
Modules/Foot	1.74/ft. fully stretched
Protection Grade	IP65 water proof
Packaging	Anti-static bag, 120 modules (69 ft)/bag
Warranty	7 Year (Product) / 5 Year (Labor)
Operating Temp.	-40° ~ +60 °C / -40° ~ +140 °F
Storage Temp.	-40° ~ -70 °C / -40° ~ +158 °F
Cascade	60mods single-ended power feed 120mods double-ended power feed

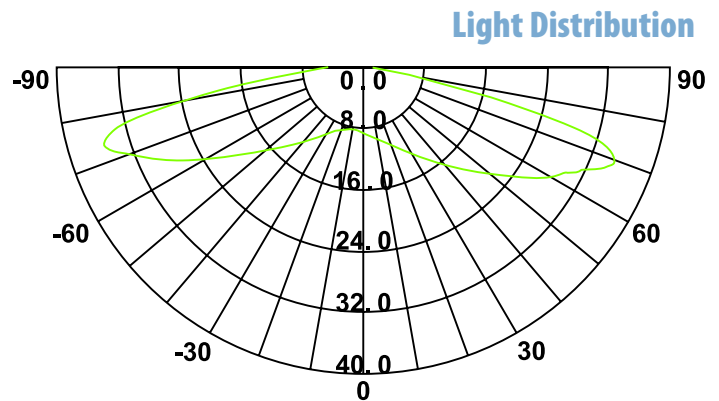
Color	Part#	Color Temp	Lumens
Pure White	HLED-PF2080	7000K	91 lm/mod (158 lm/ft.)
Red	HLED-PF2080R	620-625nm	20 lm/mod (34 lm/ft.)
Orange	HLED-PF2080-OR	600-610nm	16 lm/mod (27 lm/ft.)
Amber	HLED-PF2080Y	590-595nm	12 lm/mod (20.9 lm/ft.)
Blue	HLED-PF2080B	460-470nm	8 lm/mod (13.9 lm/ft.)
Green	HLED-PF2080G	520-530nm	44 lm/mod (76.5 lm/ft.)

Profile Drawings

Unit: mm[inch]



MODEL	MAX POWER SUPPLY LOAD				
	35W	60W	100W	150W	240W
PF-2080	43mods	75mods	124mods	186mods	300mods



1 bag = (1) 100w premium power supply