

Alaska GEN3



Product information

Alaska GEN3 er et klassisk IP44 armatur der kan anvendes til mange formål. Armaturet kan indstilles til enten 3000K eller 4000K og kan levere i on/off eller med DALI2. On/off version kan justeres i 4 forskellige wattager. Leveres i enten 1200 mm. eller 1500 mm. Der kan hurtigt og nemt indbygges sensor med Swarm-Controle og/eller modul med nødbelysning i armaturet. Disse moduler monteres let og hurtigt i armaturet (tilkøb).

Features

- * Udskiftbar LED og driver
- * 3000K / 4000K
- * L80 100.000 timer (Ta 25°C)
- * Justerbar wattage 1200mm 23/29/35/40W.
- * Justerbar wattage 1500mm 26/33/40/47W
- * Sikkerhedslås.
- * Hurtig og nem montage og installation
- * Sensor og nødbelysningsmodul kan tilføjes nemt og hurtigt.

Product data

General Information

Light source type	LED
Number of LED module	2 pcs
Beam angle of LED module	105°
Color temperature	3000K & 4000K
CRI	>80
LED module replaceable	Yes
Number of LED driver	1 unit
Driver included	Yes
Driver replaceable	Yes
L90 lifetime of LED module	50,000 hrs
L80 lifetime of LED module	100,000 hrs
LED module lumen	3220~6000 lm /

Operating and Electrical

Input Voltage	220-240 Vac
Input frequency	50 to 60 Hz
System wattage	23/29/35/40W – 26/33/40/47W
Inrush current	17 A
Inrush time	222 µs
Power factor	0.9
Leakage current	0.7 mA
Max. units per circuit B16 breaker	38
Max. units per circuit C16 breaker	64
Surge protection	1KV L-N
Ambient temperature range	-20°C to + 40°C
Performance ambient temperature Tq	+25°C

SDCM	<3 steps
Optical type	PMMA Prismatic
Control and dimming	ON/OFF; DALI 2; PWM
Connection type	5 pole connector
Protection class IEC	Safety class I
Glow-wire test	650°C
UGR	<22
PstLM	< 1
SVM	< 0.4
CE Mark	Yes
EU RoHS compliant	Yes
Net weight (piece)	2.33Kg

Dimension

Overall length	1200 mm
Overall width	148 mm
Overall height	52 mm

Mechanical and Housing

Housing material	White coating metal
Optical material	PMMA
Housing color	White
Heatsink material	Metal
Ingress protection code	IP 44
Mech. impact protection code	IK 07

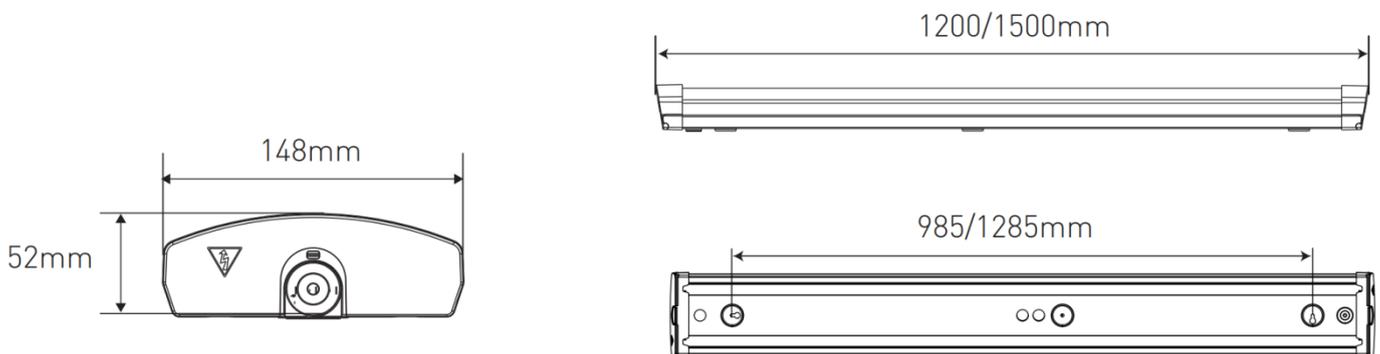
Remarks

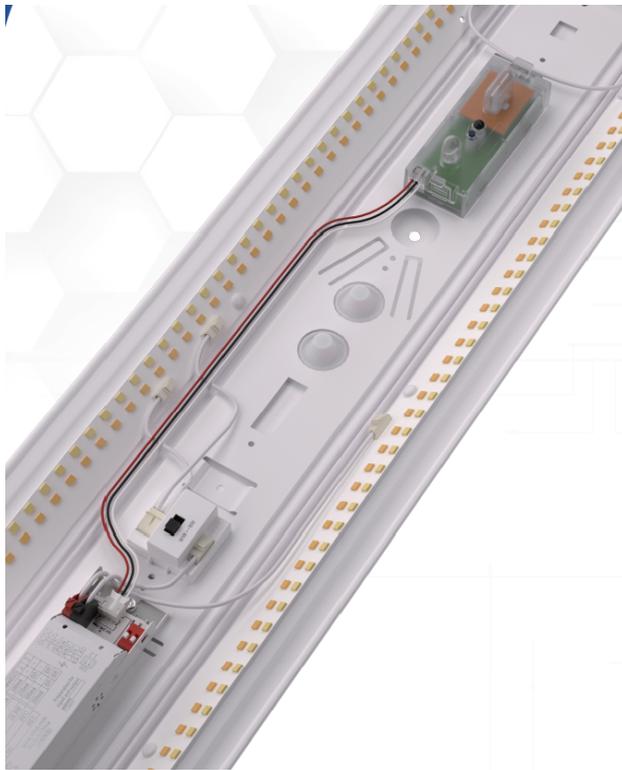
LED driver failure rate at 50,000hrs	5 %
Power consumption tolerance	± 5 %

Product picture



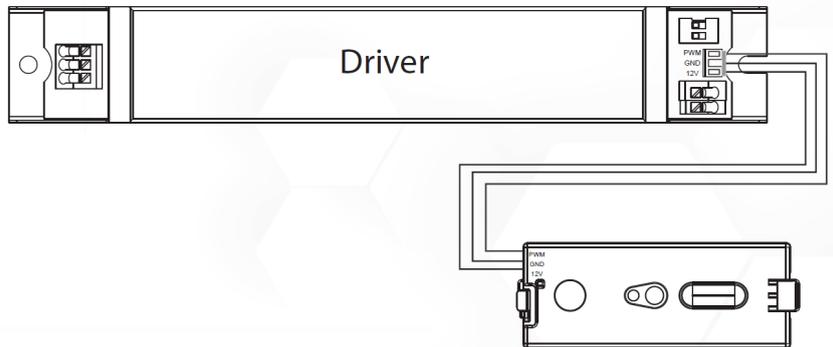
Dimensional drawing





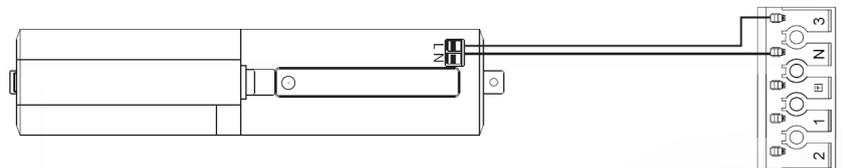
Parameter Characterization

operating voltage	7.5-13V DC
Operating Frequency	5.8 GHz \pm 75MHz, ISM wave band
Transmit power	1mW Max
Maximum Mounting Height	3m(6m Max)
Detection area	Ceiling mounting height 3m: $r \geq 3m @ 0.3m/s$, $r \geq 3m @ 1m/s$ Wall mounting height 2m: $r \geq 6m @ 0.3m/s$, $r \geq 4m @ 1m/s$ Test condition: Indoor 60m2
Hold Time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight Sensor	15Lux/50Lux/150Lux/Disable
Stand-by Period	0s/1min/10min/+ ∞
Stand-by Dim Level	10%/20%/30%/50%
Working Temperature	-25~60 C
IP Rating	IP20
Wireless parameters	
Operating Frequency	2.4GHz
Transmit power	6dBm
Number of Coding Groups	8 groups(1-8)
Detection area	Transmission distance with lamps $\geq 5m$ (Mounting height 3m, point-to-point open areatransmission.)



Parameter Characterization

Rated input voltage	220-240VAC, 50/60Hz
Input current	20mA Max
Output power	3W
Output voltage range	DC20...55V, $U_{out} < 60V$, SELV
Max output current	100mA
Output power	2.0W
Battery cells voltage/capacity	LiFePO4 3.2V 3.2Ah, 10.24Wh
Recharge current	200mA
Recharge time	24hours
Discharge time	180 minutes



Explanation of LED indicator

	Color	LED indication	Status	Comment
	Green	Slow flashing green (3 sec on, 1 sec off)	Charging Mode	AC mode
	Green	Permanent green	Fully Charged	AC mode
	Green	Fast flashing green (0.1 sec on, 0.1 sec off)	Function test underway	
	Green	Slow flashing green (1 sec on, 1 sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit/ Short circuit Led failure (emergency mode)
	Red	Slow flashing red (1 sec on, 1 sec off)	Battery failure	Battery failed the duration test or function test / No battery
		Green and red off	DC mode	Battery operation (emergency mode)

Test:U:230.26V I:0.2147A P:46.954W PF:0.9500 Freq:49.99Hz UTHd:0.00% ITHd:0.00% KDisp:0 Lamp Flux:7310.83lx lm									
NAME: ALASKA GEN3 1500-47W 4000K					TYPE:		WEIGHT:		
SPEC.:					DIM.:		SERIAL No.:		
MFR.:					SUR.:		Shielding Angle:		

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	17.0	18.4	17.5	18.8	19.2	16.6	17.9	17.0	18.3	18.7	
	3H	18.5	19.8	19.0	20.2	20.6	17.5	18.7	17.9	19.1	19.6	
	4H	19.3	20.5	19.8	20.9	21.4	17.8	19.0	18.3	19.4	19.9	
	6H	20.2	21.3	20.7	21.8	22.3	18.0	19.1	18.5	19.6	20.1	
	8H	20.9	22.0	21.4	22.5	23.0	18.1	19.2	18.6	19.6	20.1	
	12H	21.9	22.9	22.4	23.4	23.9	18.1	19.2	18.7	19.6	20.2	
	4H	2H	17.4	18.6	17.9	19.0	19.5	17.0	18.2	17.5	18.6	19.1
	3H	19.2	20.2	19.7	20.7	21.2	18.1	19.1	18.6	19.6	20.1	
	4H	20.1	21.0	20.6	21.5	22.1	18.6	19.5	19.1	20.0	20.6	
	6H	21.2	22.1	21.8	22.6	23.2	19.0	19.8	19.5	20.3	20.9	
	8H	22.1	22.8	22.6	23.4	24.0	19.1	19.9	19.7	20.4	21.0	
	12H	23.2	23.9	23.8	24.5	25.1	19.2	19.9	19.8	20.5	21.1	
	8H	4H	20.3	21.0	20.8	21.6	22.2	18.9	19.7	19.5	20.3	20.9
	6H	21.7	22.3	22.3	22.9	23.6	19.5	20.2	20.1	20.7	21.4	
	8H	22.8	23.3	23.4	23.9	24.6	19.8	20.4	20.4	21.0	21.6	
	12H	24.2	24.7	24.8	25.3	26.0	20.0	20.5	20.7	21.1	21.9	
	12H	4H	20.3	21.0	20.9	21.5	22.2	19.0	19.7	19.6	20.3	21.0
	6H	21.8	22.3	22.4	22.9	23.6	19.8	20.3	20.4	20.9	21.6	
	8H	22.9	23.4	23.6	24.0	24.7	20.1	20.6	20.8	21.2	21.9	

Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.4 / - 0.4				

CIE Pub.117, 7311 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.9)
Area: 0.4567 m2

Test:U:230.25V I:0.1710A P:38.593W PF:0.9799 Freq:49.99Hz UTHd:0.00% ITHd:0.00% KDisp:0 Lamp Flux:5895.5lx lm									
NAME: ALASKA GEN3 1200-40W 4000K					TYPE:		WEIGHT:		
SPEC.:					DIM.:		SERIAL No.:		
MFR.:					SUR.:		Shielding Angle:		

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	16.4	17.7	16.8	18.1	18.5	15.8	17.1	16.2	17.5	17.9	
	3H	17.9	19.1	18.3	19.5	20.0	16.7	17.9	17.1	18.3	18.8	
	4H	18.6	19.8	19.1	20.2	20.7	17.0	18.2	17.5	18.6	19.1	
	6H	19.5	20.6	20.0	21.0	21.5	17.3	18.4	17.8	18.8	19.3	
	8H	20.0	21.1	20.5	21.5	22.1	17.4	18.4	17.9	18.9	19.4	
	12H	20.6	21.6	21.1	22.1	22.7	17.4	18.4	17.9	18.9	19.4	
	4H	2H	16.8	17.9	17.2	18.4	18.8	16.3	17.4	16.7	17.9	18.3
	3H	18.5	19.5	19.0	20.0	20.5	17.4	18.4	17.9	18.9	19.4	
	4H	19.4	20.3	19.9	20.8	21.4	17.9	18.8	18.4	19.3	19.9	
	6H	20.4	21.3	21.0	21.8	22.4	18.3	19.1	18.8	19.6	20.2	
	8H	21.1	21.9	21.7	22.4	23.0	18.4	19.1	19.0	19.7	20.3	
	12H	21.9	22.6	22.5	23.1	23.8	18.5	19.2	19.1	19.8	20.4	
	8H	4H	19.6	20.3	20.1	20.9	21.5	18.2	19.0	18.8	19.5	20.1
	6H	20.9	21.5	21.5	22.1	22.7	18.8	19.4	19.4	20.0	20.7	
	8H	21.7	22.3	22.3	22.9	23.6	19.1	19.6	19.7	20.2	20.9	
	12H	22.7	23.2	23.3	23.8	24.5	19.3	19.8	19.9	20.4	21.1	
	12H	4H	19.6	20.2	20.1	20.8	21.5	18.3	19.0	18.9	19.6	20.2
	6H	20.9	21.5	21.6	22.1	22.8	19.0	19.6	19.6	20.2	20.9	
	8H	21.8	22.3	22.5	22.9	23.7	19.4	19.8	20.0	20.5	21.2	

Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.4 / - 0.5				

CIE Pub.117, 5896 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.2)
Area: 0.4542 m2

Test:U:230.34V I:0.1874A P:40.601W PF:0.9406 Freq:49.99Hz UTHd:0.00% ITHd:0.00% KDisp:0 Lamp Flux:6377.12lx lm									
NAME: ALASKA GEN3 1500-40W 4000K					TYPE:		WEIGHT:		
SPEC.:					DIM.:		SERIAL No.:		
MFR.:					SUR.:		Shielding Angle:		

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	16.6	17.9	17.0	18.3	18.7	16.1	17.4	16.5	17.8	18.2	
	3H	18.0	19.3	18.5	19.7	20.2	17.0	18.2	17.4	18.6	19.1	
	4H	18.8	20.0	19.3	20.4	20.9	17.3	18.5	17.8	18.9	19.4	
	6H	19.7	20.8	20.2	21.3	21.8	17.5	18.6	18.0	19.1	19.6	
	8H	20.4	21.5	20.9	21.9	22.5	17.6	18.7	18.1	19.1	19.6	
	12H	21.4	22.4	21.9	22.9	23.4	17.6	18.7	18.2	19.1	19.7	
	4H	2H	17.0	18.1	17.4	18.6	19.0	16.5	17.7	17.0	18.1	18.6
	3H	18.7	19.7	19.2	20.2	20.7	17.6	18.6	18.1	19.1	19.6	
	4H	19.6	20.5	20.1	21.0	21.6	18.1	19.0	18.6	19.5	20.1	
	6H	20.7	21.5	21.3	22.1	22.7	18.5	19.3	19.0	19.8	20.4	
	8H	21.6	22.3	22.1	22.9	23.5	18.6	19.4	19.2	19.9	20.5	
	12H	22.7	23.4	23.3	24.0	24.6	18.7	19.4	19.3	20.0	20.6	
	8H	4H	19.8	20.5	20.3	21.1	21.7	18.4	19.2	19.0	19.7	20.4
	6H	21.2	21.8	21.8	22.4	23.1	19.0	19.6	19.6	20.2	20.9	
	8H	22.2	22.8	22.9	23.4	24.1	19.3	19.8	19.9	20.4	21.1	
	12H	23.7	24.2	24.3	24.8	25.5	19.5	20.0	20.1	20.6	21.3	
	12H	4H	19.8	20.5	20.3	21.0	21.7	18.5	19.2	19.1	19.8	20.4
	6H	21.2	21.8	21.9	22.4	23.1	19.2	19.8	19.9	20.4	21.1	
	8H	22.4	22.9	23.0	23.5	24.2	19.6	20.1	20.2	20.7	21.4	

Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.4 / - 0.4				

CIE Pub.117, 6377 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.4)
Area: 0.4567 m2

Test:U:230.31V I:0.1529A P:34.362W PF:0.9758 Freq:49.99Hz UTHd:0.00% ITHd:0.00% KDisp:0 Lamp Flux:5295.29lx lm									
NAME: ALASKA GEN3 1200-35W 4000K					TYPE:		WEIGHT:		
SPEC.:					DIM.:		SERIAL No.:		
MFR.:					SUR.:		Shielding Angle:		

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise					
x = 2H y = 2H	2H	16.0	17.3	16.4	17.7	18.1	15.4	16.7	15.8	17.1	17.5	
	3H	17.5	18.7	17.9	19.1	19.6	16.3	17.5	16.7	17.9	18.4	
	4H	18.2	19.4	18.7	19.8	20.3	16.6	17.8	17.1	18.2	18.7	
	6H	19.1	20.2	19.6	20.7	21.2	16.9	18.0	17.4	18.4	18.9	
	8H	19.6	20.7	20.1	21.2	21.7	17.0	18.0	17.5	18.5	19.0	
	12H	20.3	21.3	20.8	21.7	22.3	17.0	18.0	17.5	18.5	19.0	
	4H	2H	16.4	17.5	16.8	18.0	18.5	15.9	17.0	16.3	17.5	17.9
	3H	18.1	19.1	18.6	19.6	20.1	17.0	18.0	17.5	18.5	19.0	
	4H	19.0	19.9	19.5	20.4	21.0	17.5	18.4	18.0	18.9	19.5	
	6H	20.1	20.9	20.6	21.4	22.0	17.8	18.7	18.4	19.2	19.8	
	8H	20.7	21.5	21.3	22.0	22.7	18.0	18.7	18.6	19.3	19.9	
	12H	21.5	22.2	22.1	22.7	23.4	18.1	18.8	18.7	19.3	20.0	
	8H	4H	19.2	19.9	19.8	20.5	21.1	17.8	18.6	18.4	19.1	19.7
	6H	20.5	21.1	21.1	21.7	22.4	18.4	19.0	19.0	19.6	20.3	
	8H	21.3	21.9	21.9	22.5	23.2	18.7	19.2	19.3	19.8	20.5	
	12H	22.3	22.8	23.0	23.4	24.1	18.9	19.4	19.5	20.0	20.7	
	12H	4H	19.2	19.9	19.8	20.4	21.1	17.9	18.6	18.5	19.2	19.8
	6H	20.5	21.1	21.2	21.7	22.4	18.6	19.2	19.2	19.8	20.4	
	8H	21.5	21.9	22.1	22.6	23.3	18.9	19.4	19.6	20.1	20.8	