

SENTINEL™ SERIES

Hazardous Location Lighting

Designed for hazardous environments, the **SENTINEL** C1D1 linear light is ideal for environments where explosive and flammable gas, liquids, or vapors are present in normal operating conditions. They are also known for their outstanding thermal shock and impact resistant construction.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations

Class I Division 1, Group C, D

Class I Division 2, Group A, B, C, D

Class III

CSA C22.2 No.137

CSA C22.2 No.250.0

UL924

UL 1598 Wet Locations

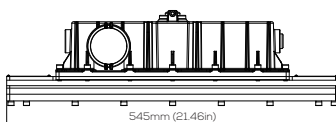
UL 1598A Marine Outside Type (Salt Water)

UL 8750 LED Safety

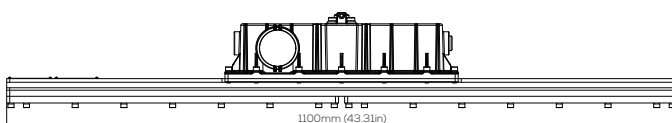
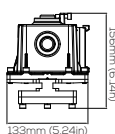
IP66/67 | IK08 | 5G | NEMA 4X

Dimensions

unit: mm(in)



2ft, 20W / 30W / 40W / 60W



4ft, 40W / 60W / 80W / 100W

Technical Data

Electrical

Rated Power	20W/30W/40W/60W/80W/100W
Input Voltage	100-277, 277-480V/AC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	< 200mVP-P

Emergency Back-up

Emergency Output	15W, ≥2,400lm 9W, ≥1,400lm (cold weather)
Recharging time	24 hours
Battery Backup Runtime	≥90 mins

Optical

Lumen Output	3,400lm ~ 17,000lm
Luminous Efficacy (Lumens per Watt)	160-170 lm/W
Beam Angle	110°
Color Temperature	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

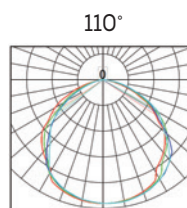
Environmental

Ambient Operating Temperature	-40°C~+65°C / -20°C~+50°C (EMB)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Technical

Lens Material	Tempered Glass
Mounting Options	Pendant / Ceiling / Wall / Pole Stanchion / Hanging
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT

Beam Distribution



Warranty

5-year limited system warranty

Lumen Maintenance: L70 > 150,000 hours @ 25°C

Ordering Information and Mounting Accessories

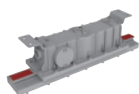
SEN4	10	U	1	110	CW	TG	PD	GR	XXX
Model	Power	Voltage	Ex. Level	Optics	Color Temp	Lens	Mount Style	Color	Accessories
SEN2 (2ft)	03 – 3,400 lm (20W) 05 – 5,100 lm (30W) 07 – 6,800 lm (40W) 10 – 10,200 lm (60W)	U – 100-277V/AC N – 277-480V/AC ¹	1 – C1D1 2 – C1D2	110 – 110°	WW – 2700K SW – 3000K NW – 4000K CW – 5000K AM – Amber AJC – Adjustable CCT (3000K/4000K/5000K)	TG – Clear glass FG – Frosted glass	PD – Pendant mount (3/4" NPT) FLM – Flush mount OSM – Offset ceiling / wall swivel bracket HM – Hanging mount PCM48 – Pole clamp 48mm for pole Ø 1-7/8" PCM60 – Pole clamp 60mm for pole Ø 2-3/8" W90 – Wall mount 90° W25 – Wall mount 25° S90A – Stanchion-90° (1-1/4" NPT) S90B – Stanchion-90° (1-1/2" NPT) S25A – Stanchion-25° (1-1/4" NPT) S25B – Stanchion-25° (1-1/2" NPT)	GR – Gray	EMB SC2 SP20U SP20N CAB CGL
SEN4 (4ft)	07 – 6,800 lm (40W) 10 – 10,200 lm (60W) 14 – 13,600 lm (80W) 17 – 17,000 lm (100W)								

¹ Only available for 60W/80W/100W (GHLW-10, GHLW-14 or GHLW-17)

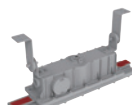
Mounting Options



PD
Pendant mount
3/4" NPT



FLM
Flush mount



OSM
Offset ceiling / wall
Swivel Bracket



W90
Wall mount 90°
3/4" NPT



W25
Wall mount 25°
3/4" NPT



HM
Hanging mount



PCM48
Pole clamp 48mm
for pole Ø 1-7/8"



PCM60
Pole clamp 60mm
for pole Ø 2-3/8"

S90A
Stanchion mount 90°
1-1/4"NPT

S90B
Stanchion mount 90°
1-1/2"NPT



S25A
Stanchion mount 25°
1-1/4"NPT

S25B
Stanchion mount 25°
1-1/2"NPT

Accessories



FLM
Flush ceiling mount kit
1 pair



OSM
Offset ceiling / wall
swivel bracket
1 pair



PCM48
Pole clamp 48mm 1 pair
for pole Ø 1-7/8"

PCM60
Pole clamp 60mm 1 pair
for pole Ø 2-3/8"



HM
Hanging chain
stainless steel
1 pair



SC2
Stainless steel
safety cabl
Ø6 (3mm)



CGL
Cable gland
3/4" NPT
Suitable for C1D2



SP10U
10KV Surge protector
(100-277V) *Standard

SP10N
10KV Surge protector
(277-480V) *Standard



SP20U
20KV Surge protector
(100-277V)

SP20N
20KV Surge protector
(277-480V)



CAB
3' SEOOW-18/3 Cord
(Factory installed)