BLACK & BLUE LIGHTING

RECTANGLE H2™ SERIES

LED Hazardous Location Lighting

The Rectangle H2 series designed to withstand hazardous environments, excels with a luminous efficacy of upto 170 lumens per watt. It is certified for use in hazardous locations requiring explosion-proof fixtures where flammable gases, vapors and combustible dusts are present. Applications include oil and gas rigs, petrochemical plants, and other hazardous corrosive facilities.

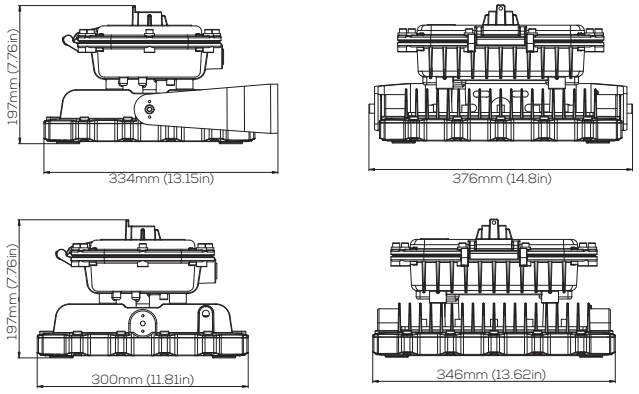
Compliance

NEC/CEC Standard
UL 844 Hazardous Locations
Class I Division 2, Groups A, B, C, D
Class II Division 1, Groups E, F, G
Class II Division 2, Groups F, G
Class III
Class I, Zone 2, Group IIC

CSA C22.2 No.137
CSA C22.2 No. 250.0:21
UL 1598 Wet Locations
UL 1598A Marine Outside Type (Salt Water)
UL 8750 LED Safety
FCC
IP66/67 | IK09 | 5G | NEMA 4X

Dimensions

unit: mm(in)



Technical Data

Electrical

Rated Power	80W / 100W / 150W / 200W
Input Voltage	100-277, 347-480V/AC
Input Frequency	50/60Hz
Power Factor	› 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	‹200mVP-P

Optical

Lumen Output	12800lm ~ 32000lm
Luminous Efficacy (Lumens per Watt)	160 - 170 lm/W
Beam Angle	30° / 60° / 90° / 110° / T2 / T3 / T4
Correlated Color Temperature (CCT)	Amber 2700K 3000K 4000K 5000K
CRI	Ra›70

Environmental

Ambient Operating Temperature	-40°C~+65°C (80W 100W 150W) -40°C~+60°C (200W)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

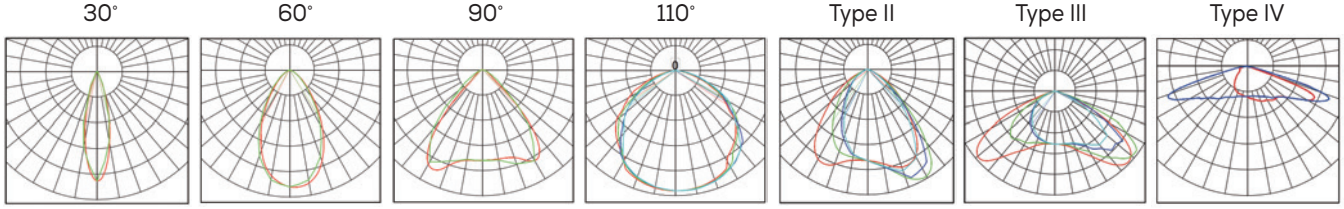
Technical

Lens Material	Tempered glass
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion / U-Bracket
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	11.5kg (25.35 lbs)

Warranty

10-year limited system warranty
Lumen Maintenance: L70 › 150,000 hours @ 25°C

Beam Distribution



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1509 Rapids Dr Ste 5, Racine, WI
53404
1-(844)-255-6258
contact@bnbltg.com

Product design and specifications subject to change without notice.

Ordering Information and Mounting Accessories

REC	80	L	2	30	3K	CG	PD	GRY	XX

Model
REC

Power
80 – 12,800 lm (80W)
100 – 16,000 lm (100W)
150– 24,000 lm (150W)
200 – 32,000 lm (200W)

Voltage
L -100-277V/AC
H -347-480V/AC

Ex. Level
2 - C1D2, C2D1

Optics
30 - 30°
60 - 60°
90 - 90°
110 - 110°
T2 - T2
T3 - T3
T4 - T4

Color Temp
3K- 3000K (Soft white)
4K - 4000K (Neutral white)
5K- 5000K (Cool white)

Lens
CG - Clear glass
DG - Diffuse glass

Mount Style
PD – Pendant mount (3/4" NPT)
YK - Yoke Mount Bracket (3/4" NPT)
W90 - Wall mount 90°
W25 - Wall mount 25°
S90 - Stanchion-90° (1-1/2" NPT)
S25 - Stanchion-90° (1-1/2" NPT)
CLG- Ceiling Junction Box

Color
GR - Gray

Accessories
WG - Wire guard
SC - Safety cable
VIS - Dark sky visor
SP1 - 10KV surge protector (100-277V) *Standard
SP1H - 10KV surge protector (347-480V) *Standard
SP2 - 20KV surge protector (100-277V)
SP2H - 20KV surge protector (347-480V)
CRD - 3' SEOOW-18/3 Cord
CG - Cable Gland 3/4" NPT
PS - Pole Stanchion 2-3/8" (60mm)

Mounting Options

PD (Standrad)
Pendant Mount
3/4" NPT

YK
Yoke Mount Bracket

W90
Wall mount 90°3/4" NPT

W25
Wall mount 25°
3/4" NPT

S90
Stanchion mount 90°,
1-1/2"NPT

S25
Stanchion mount 25°,
1-1/2"NPT

CLG
Ceiling Mount Box
3/4"NPT

Accessories

YOKE
Yoke Mount Bracket
3/4" NPT

WG
Stainless steel
wire guard

SC
Stainless steel
safety cable
Φ8 (4mm)

VIS
Stainless steel
dark sky visor

10KV Surge Protector
*Standard
SP1
10KV (100-277V)
SP1H
10KV (347-480V)

20KV Surge Protector
SP2
20KV (100-277V)
SP2H
20KV (347-480V)

CAB
3' SEOOW-18/3 Cord
(Factory installed)
Applicable to C1D2

CG
Cable Gland
3/4" NPT
Suitable for C1D2

PS
Pole Stanchion
2-3/8" (60mm)

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