



INDUSTRIAL

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B&R Enclosures

HRD85 SERIES LED FLOODLIGHT

brenclosures.com.au

HRD85 Series LED Floodlight

Zones 1 & 2, 21 & 22



features & benefits

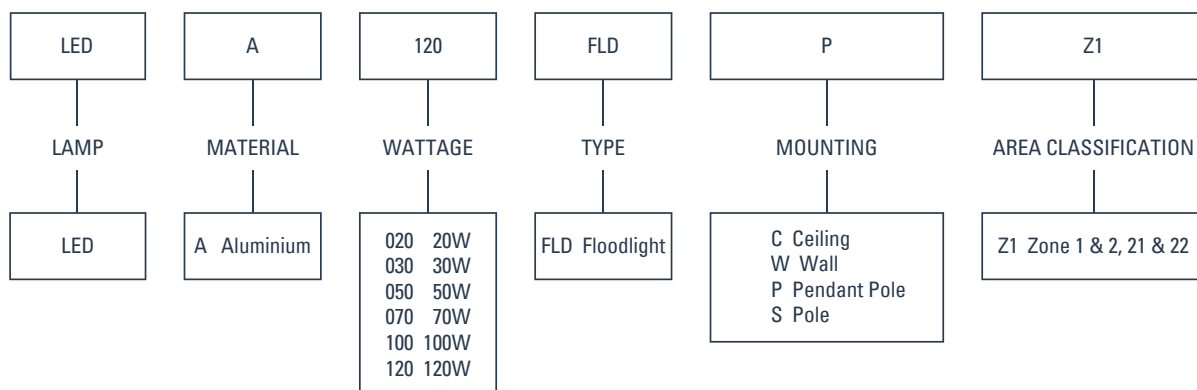
- Energy saving and long service life LED lamps with isolated LED lamp compartment.
- Designed for natural convection heat dissipation.
- Three enclosure sizes and multiple mounting options available.
- Copper-free aluminium alloy body with stainless steel fasteners.
- Toughened glass withstands 4J impact.
- Powdercoated RAL7040 Window Grey.
- Suitable for salt water and corrosive environments.

applications

- Petrochemical, metallurgical, power generation and manufacturing industries.
- Oil refineries, offshore production, drilling platforms, fuel depots, chemical plants, including pesticides and fertilisers, paint manufacturing plants, spray booths, service stations, vehicle manufacturing, oxygen and acetylene production, airport hangars, above ground coal mining, sewerage treatment plants, pumping stations, distilleries.
- Grain silos, handling and storage facilities, flour mills, powdered milk production, food and manufacturing.

PROTECTION RATINGS	CERTIFICATION	AMBIENT TEMPERATURE	RATED VOLTAGE	RANGE
Ex d IIC T5 or T6 Gb IP66 Ex t IIIC T80°C or T95°C Db IP66	IECEX CQM 12.0009X	-40°C ~ +55°C T5/T80°C -40°C ~ +40°C T6/T95°C	AC 187-265V, 50/60Hz	HRD85 Series

part number convention



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electrical parameters

Product type	Rated input voltage (VAC)	Rated input current (A)	Voltage frequency (Hz)	Rated Power (W)	PF	THD
LEDA20-120	187 ~ 265	0.33 ~ 0.14	50/60	20-120	>0.95	<10%

photometric parameters

Part Number	Mounting Type	CCT (K)	CRI	Luminous flux (lm)
LEDA020FLDCZ1	Ceiling	4700~5400K	70	1800
LEDA030FLDCZ1		4700~5400K	70	2700
LEDA050FLDCZ1		4700~5400K	70	4500
LEDA070FLDCZ1		4700~5400K	70	6300
LEDA100FLDCZ1		4700~5400K	70	9000
LEDA120FLDCZ1		4700~5400K	70	10800
LEDA020FLDPZ1	Pendant Pole	4700~5400K	70	1800
LEDA030FLDPZ1		4700~5400K	70	2700
LEDA050FLDPZ1		4700~5400K	70	4500
LEDA070FLDPZ1		4700~5400K	70	6300
LEDA100FLDPZ1		4700~5400K	70	9000
LEDA120FLDPZ1		4700~5400K	70	10800
LEDA020FLDWZ1	Wall	4700~5400K	70	1800
LEDA030FLDWZ1		4700~5400K	70	2700
LEDA050FLDWZ1		4700~5400K	70	4500
LEDA070FLDWZ1		4700~5400K	70	6300
LEDA100FLDWZ1		4700~5400K	70	9000
LEDA120FLDWZ1		4700~5400K	70	10800
LEDA020FLDSZ1	Pole	4700~5400K	70	1800
LEDA030FLDSZ1		4700~5400K	70	2700
LEDA050FLDSZ1		4700~5400K	70	4500
LEDA070FLDSZ1		4700~5400K	70	6300
LEDA100FLDSZ1		4700~5400K	70	9000
LEDA120FLDSZ1		4700~5400K	70	10800

other parameters

Product type	Size (mm)	Weight (kg)	IP code	Cable Entries	Cable outer diameter
LEDA020	241x208	3.6 to 4.4	IP66	M25 x 1.5	10-14mm
LEDA030	241x208	3.6 to 4.4	IP66	M25 x 1.5	10-14mm
LEDA050	350x255	3.6 to 4.4	IP66	M25 x 1.5	10-14mm
LEDA070	350x255	7.8 to 8.8	IP66	M25 x 1.5	10-14mm
LEDA100	385x295	7.8 to 8.8	IP66	M25 x 1.5	10-14mm
LEDA120	385x295	7.8 to 8.8	IP66	M25 x 1.5	10-14mm

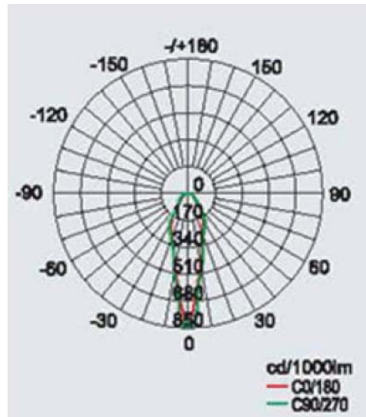
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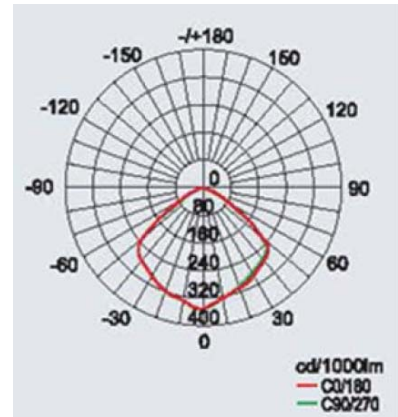


candela distribution

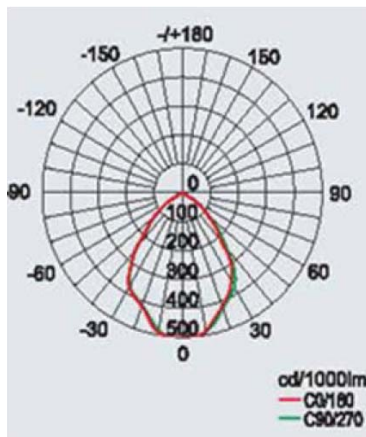
20W & 30W



50W & 70W



100W & 120W

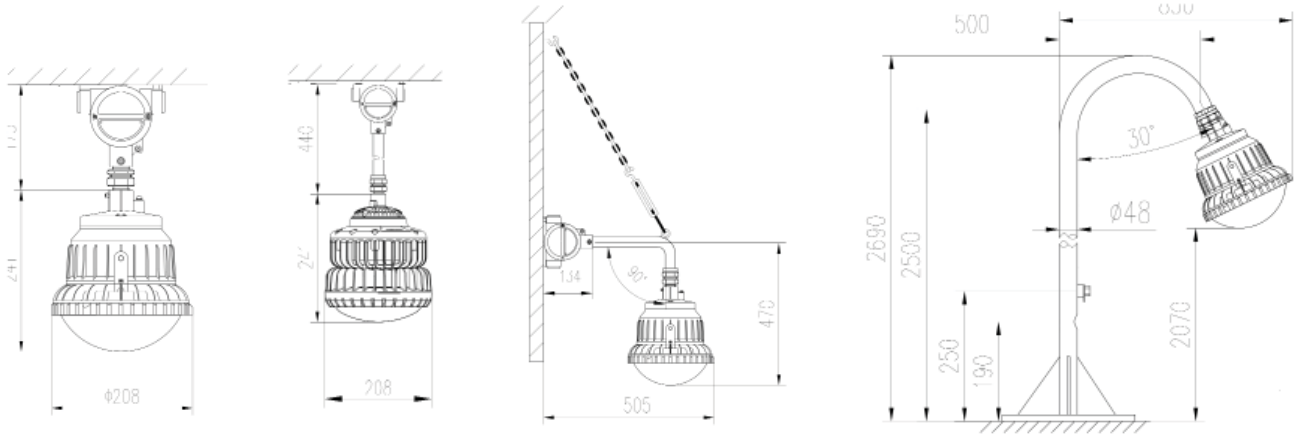


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installation method

LEDA20-50 mounting options.



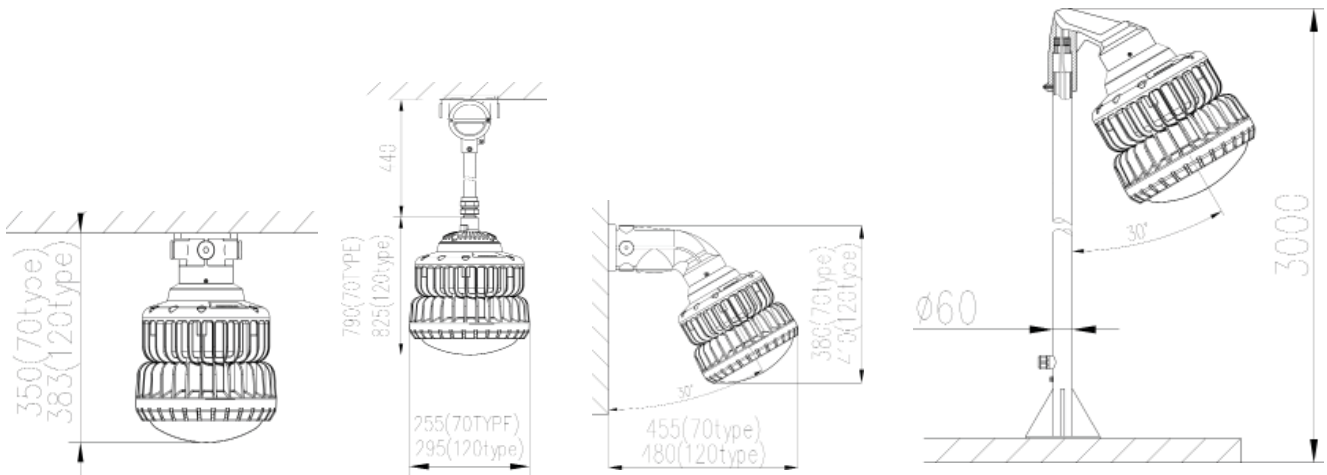
C: Ceiling Mount

P: Pendant Pole

W: Wall Mount

S: Pole Mount

LEDA70-120 mounting options.



C: Ceiling Mount

P: Pendant Pole

W: Wall Mount

S: Pole Mount

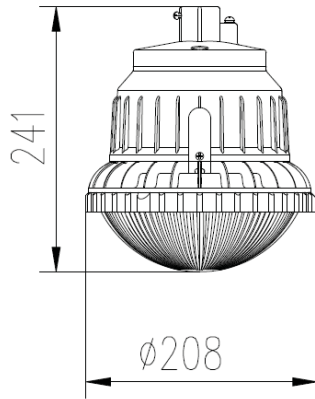
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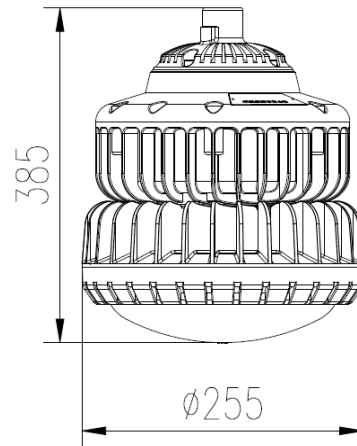


dimensional drawings

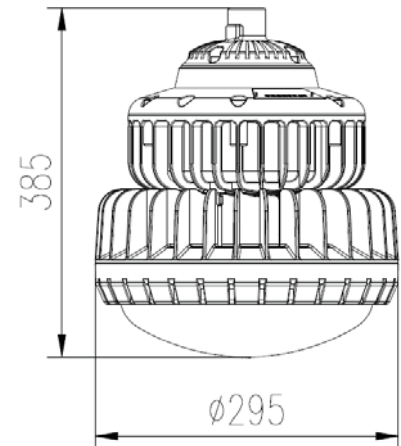
20W & 30W



50W & 70W



100W & 120W



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