

HAZARDOUS LOCATIONS

D SERIES

Designed for hazardous applications, this luminaire features an innovative vertical airflow cooling system that enables reliable operation in **high-heat environments up to 55°C**. Ideal for demanding settings such as metal foundries, iron forges, steel mills, power plants, factories, and chemical facilities.

CERTIFICATIONS



Technical Data	
Input voltage	100 - 277V ~ / 200 - 480V ~
Input frequency	50 / 60 Hz
Dimmable	0 - 10 V (Optional)
Color temperature	4000K - 5000K
CRI	> 80
Operating temperature	-40 to 55° C
Harmonic distortion	<10 %
Power factor	0.90
Beam angle	120°
Mounting	Surface-mounted: Wall, Ceiling, Pole
Classification	IP66
Impact resistance	IK10
Anti-surge rating	10 kV
Light maintenance @100,000 hrs	0.86 *Projected L70 (I2K) ≥72,000 hrs per IESTM-21
Body	Die-cast A383 aluminum alloy
Optics	Borosilicate
Color	Black

Model	Nominal Power	Luminous Efficiency	Luminous Flux
20 W	20 W	140 lm/W	2,800 lumens
40 W	40 W	140 lm/W	5,600 lumens
60 W	60 W	140 lm/W	8,400 lumens
80 W	80 W	140 lm/W	11,200 lumens
100 W	100 W	140 lm/W	14,000 lumens
150 W	150 W	140 lm/W	21,000 lumens
200 W	200 W	140 lm/W	28,000 lumens

CERTIFICATES



ATEX - European Union
II2 G Ex db op is IIB T4/T5 Gb
II2 D Ex op is tb IIIC T135°C Db IP66



IECEX - International
Ex db op is IIB T4/T5 Gb
Ex op is tb IIIC T135°C Db
IP66



Intertek - North America
Class I, Division 1, Groups C, D
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 III



Intertek - North America
UL1598, UL1598A



ABS Type Approved

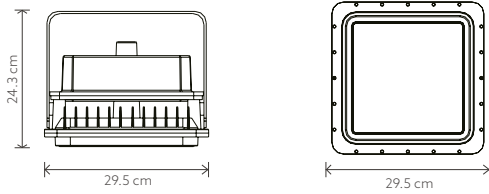
Other Classifications
IP66
IK10



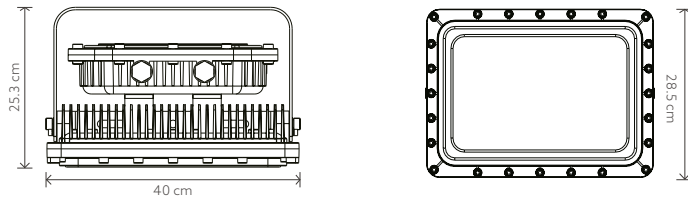


Dimensions

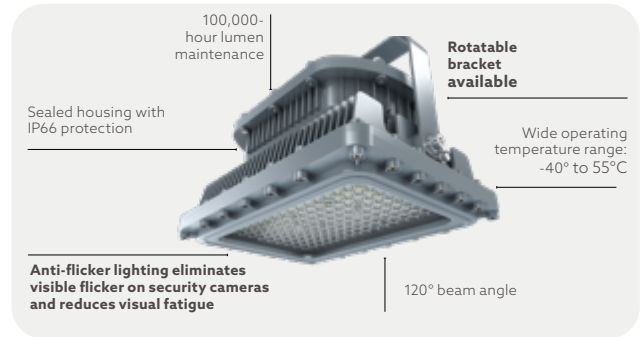
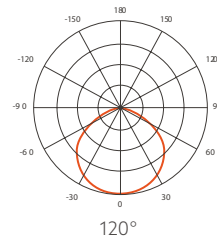
20W / 40W / 60W / 80W



100W / 150W / 200W



Photometric distribution



Code example:

1 Series	2 Model	3 Power supply	4 Color temperature
EXD	20W 2,800 lumens	S Standard	40 4000K
	40W 5,600 lumens	D Dimmable	50 5000K
	60W 8,400 lumens		
	80W 11,200 lumens		
	100W 14,000 lumens		
	150W 21,000 lumens		
	200W 28,000 lumens		

5 Voltage *	6 Emergency battery
1 100 - 277 V~	N None
2 200 - 480 V~	E Emergency battery

*High voltage not compatible with 20 W, 40 W, and 60 W

Ordering Guide

