

Appleton™ LED ATEX/IECEX & Industrial Luminaires Selection Guide ^①

Zone 1 and 2 Fixtures

Product	Application	Lumen Output	Equivalency	Wattage	Efficacy (lm/W)	Voltage	CCT
FELED ATEX/UKEX/IECEX: Zone 1 and 2 - 21 and 22  II 2 GD IP66 IK10							
	Linear, Emergency	3,000–7,000	3x18W–3x58W Linear Fluorescent	31W–75W	Up to 106	120–277 Vac; 125–300 Vdc	4000K, 5000K
FDLED ATEX/IECEX: Zone 1 and 2, 21 and 22  II 2 GD IP66/68 IK08 or IK09							
	Linear, Emergency	2,300–4,700	2x18W–2x36W Linear Fluorescent	23W–46W	Up to 104	110–254 Vac;	5650K
FDBAES LED ATEX/IECEX: Zone 1 and 2 - 21 and 22  II 2 GD IP66/68 IK08							
	Space and Escape Route	55– 540	1x8W– 2x3W Linear Fluorescent	1.1W– 2.6W	107	230 Vac	5700K
Mercmaster™ Generation 3 Zone 1 LED ATEX/IECEX: Zone 1, 2, 21, 22 Ex eb mb op is IIC  II 2 GD IP66/67 IK08 NEC/CEC: Cl, Zone 1 Cl, Zone 21							
	Area/Task, High Ambient	3,600–17,100	75W–600W HID	33W–141W	Up to 134	120–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K
Areamaster Generation 2 LED Zone 1 ATEX/IECEX: Zone 1, 2, 21, 22 Ex eb mb op is IIC  II 2 GD IP66/67 IK08 NEC/CEC: Cl, Zone 1 Cl, Zone 21 Markings: CE UKCA							
	Flood	9,500–38,000	175W–1500W HID	65W– 275W	Up to 140	120–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K
Areamaster™ LED Generation 2 and High Lumen ATEX/IECEX: Zone 2, 21, 22 NEC/CEC: CID2 CIID1 CIID2 Class III Zone 20, 21, 22 Cl, Zone 2 Markings: CE: UKCA							
	Flood	9,500–38,000	175W–1500W HID	73W–317W	Up to 141	120–277 Vac; 125–300 Vdc; 347–480 Vac	3000K, 4000K, 5000K
Baymaster™ LED and High Lumen ATEX/IECEX: Zone 2, 21, 22 NEC/CEC: CID2 CIID1 CIID2 Class III Zone 20, 21, 22 Cl, Zone 2 Markings: CE UKCA							
	High Bay	9,500–38,000	175W–1500W HID	73W–317W	Up to 141	120–277 Vac; 125–300 Vdc; 347–480 Vac	3000K, 4000K, 5000K
FNLED ATEX/IECEX: Zone 2, 21 and 22  II 3 GD, 2 D IP66 IK10							
	Linear, Emergency	650–7,000	3x18W–3x58W Linear Fluorescent	30W– 66W	Up to 119	120–277 Vac; 125–300 Vdc	4000K, 5000K
Mercmaster™ Connect LED Luminaires ATEX/IECEX: Standard Model: Zone 2 and 21/22 NEC/CEC: CID2, CIID1 CIII Cl, Zone 2 CII, Zone 22							
	Area/Task, Emergency	5,500–17,500	100W–600W HID	46W–145W	Up to 149	120–277 Vac; 125–300 Vdc	3500K, 4500K, 5000K

① Refer to product series catalog pages for more detailed product information, including environmental ratings.

For product information:
www.masteringled.com
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Zone 1 and 2 Fixtures Continued

Product	Application	Lumen Output	Equivalency	Wattage	Efficacy (lm/W)	Voltage	CCT
Mercmaster LED Low Profile ATEX/IECEX: Zone 2 and 21/22 NEC/CEC: CID2 CI, Zone 2 Zone 21 CI, Zone 2 CIID1 Zone 20 CIID2 Class III							
	Area/Task, High Ambient, Low Bay	2,800–5,500	70W–175W HID	28W–48W	Up to 118	120–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K
Mercmaster Generation 3 LED ATEX/IECEX: Zone 2 and 21/22 NEC/CEC: CID2 CIID1 CIID2 CIII CI, Zone 2 Zone 20 4G Vibration							
	Area/Task, High Ambient	2,600–26,070	70W–1,000W HID	30W–210W	Up to 149	120–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K

Industrial Fixtures

Product	Application	Lumen Output	Equivalency	Wattage	Efficacy (lm/W)	Voltage	CCT
Industrial Mercmaster LED Generation 3 IECEE CB Ratings: IP66 IK08 NEC/CEC/NOM Ratings: Type 3R, 4, 4X IP66/IP67 IK08 Wet Locations Marine Outside Type (Salt Water) 4G Vibration							
	Area/Task, High Ambient	2,600–26,070	70W–1000W HID	30W–210W	Up to 149	120–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K
Industrial Mercmaster LED Low Profile IECEE CB Ratings: IK08 NEC/CEC Ratings: Type 3R, 4, 4X IP66/IP67 Wet Locations Marine Outside Type (Salt Water) 10G Vibration							
	Area/Task, Low Bay	2,800–5,500	70W–175W HID	28W–48W	Up to 118	125–277 Vac; 125–300 Vdc	3000K, 4000K, 5000K
Industrial Baymaster™ LED and High Lumen NEC/CEC/NOM Ratings: Type 3R, 4, 4X IP66/67 Wet Locations Marine Outside Type (Salt Water) for USA Only 10G Vibration (IBLL and IBHLL) IECEE CB Ratings: IK08 IP66 Markings: CE UKCA							
	High Bay	9,500–38,000	175W–1500W HID	73W–317W	Up to 141	120–277 Vac; 125–300 Vdc; 347–480 Vac	3000K, 4000K, 5000K
IHC LED IECEE CB Ratings: IP66 NEC/CEC Ratings: Type 3R, 4, 4X IP66 Wet Locations Marine Outside Type (Salt Water) for USA Only 3G Vibration Markings: CE UKCA							
	High Bay, Flood	50,000–90,000 Dimmable	1500W HID and greater	360W–640W	Up to 146	120–277 Vac; 125–300 Vdc; 277–480 Vac	3000K, 4000K, 5000K
Industrial Areamaster™ Generation 2 LED and High Lumen IECEE CB Ratings: IK08 IP66 NEC/CEC/NOM Ratings: Type 3R, 4, 4X IP66/67 Wet Locations Marine Outside Type (Salt Water) for USA Only 10G Vibration Markings: CE UKCA							
	Flood	9,500–38,000	175W–1500W HID	73W–317W	Up to 141	120–277 Vac; 125–300 Vdc; 347–480 Vac	3000K, 4000K, 5000K

① Refer to product series catalog pages for more detailed product information, including environmental ratings.

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