


# ATX™ HBDR Series Bulkhead Luminaires

Flameproof. Incandescent, Compact Fluorescent, Mixed

ATEX:  
Zone 1 and 2 – 21 and 22  
II 2 GD  
IP66 - IK08

Appleton®

INCANDESCENT/AREA: ATEX/IECx FLAMEPROOF

	Weight kg (lb)	Volume dm <sup>3</sup> (in <sup>3</sup> )	Catalog Number
	7.5 (16.53)	23.4 (51.59)	HBDR

Accessories	Catalog Number
Protective Guard	HBDRPGZ

### T Rating for Gas ①

Lamp Type and Wattage		Ambient Temperature	Operating Positions				Wall	
			Ceiling	Ceiling	Ceiling	Ceiling	+50 °C (122 °F)	+55 °C (+131 °F)
Wattage	Type		+40° C (+104° F)	+50° C (122° F)	+55 °C (+131 °F)	+40° C (+104° F)	+50° C (122° F)	+55 °C (+131 °F)
8	Compact Fluorescent	T Rating	T6	T6	T6	T6	T6	T6
15	Compact Fluorescent	T Rating	T6	T6	T6	T6	T6	T6
23	Compact Fluorescent	T Rating	T6	T6	T6	T5	T5	T4
100	Incandescent	T Rating	T5	T4	T4	T5	T4	T4
200	Incandescent	T Rating	T4	T4	T4	T4	T4	T4
		T° at cable entry	—	+84° C (+183° F)	+89° C (+192° F)	—	+84° C (+183° F)	+89° C (+192° F)
100	Mixed	T Rating	T4	T4	T4	T4	T4	T4
180	Mixed	T Rating	T3	T3	T3	T3	T3	T3
		T° at cable entry	—	+87 C (+188° F)	+92° C(+198° F)	—	+87 C (+188° F)	+92° C(+198° F)

### Surface Temperature for Dust ①

Lamp Type and Wattage		Ceiling		Operating Positions		Wall	
		Surface T° for Ta = +55 °C (+131 °F)	T° at Cable Entry Ta= +55 °C (+131 °F)	Surface T° for Ta= +55 °C (+131 °F)	Surface T° for Ta= +55 °C (+131 °F)	T° at Cable Entry Ta= +55 °C (+131 °F)	T° at Cable Entry Ta= +55 °C (+131 °F)
Wattage	Type						
8	Compact Fluorescent	+60 °C (+140 °F)	—	+70 °C (+158 °F)	—	—	—
15	Compact Fluorescent	+64 °C (+147 °F)	—	+76 °C (+169 °F)	—	—	—
23	Compact Fluorescent	+69 °C (+156 °F)	—	+96 °C (+205 °F)	—	—	—
100	Incandescent	+105 °C (+221 °F)	—	+105 °C (+221 °F)	—	—	—
200	Incandescent	+130 °C (+266 °F)	+89 °C (+192 °F)	+130 °C (+266 °F)	—	+89 °C (+192 °F)	—
100	Mixed	+130 °C (+266 °F)	—	+130 °C (+266 °F)	—	—	—
160	Mixed	+149 °C (+300 °F)	+92 °C (+198 °F)	+149 °C (+300 °F)	—	+92 °C (+198 °F)	—

① No need for high temperature cable for cable entry temperature less than +80 °C (+176 °F).