Baylor

HIGH-BAY LUMINAIRE | ECO-DALI SERIES

Baylor is a HID replacement lamp, designed for indoor spaces such as indoor warehouses or sports halls. Its industrial yet modern design makes it suitable also for more general lighting projects such as special meeting rooms, lobbies or large, high-ceiling spaces. Little maintenance is needed and the energy consumption is very low. Additional glass cover for reducing dust accumulation. Wide beam optic for uniform illumination, free from dark spots. Housing comes in adonised grey for a better blend with the environment.

Baylor luminaire comes in several series, with various add-on and controls:

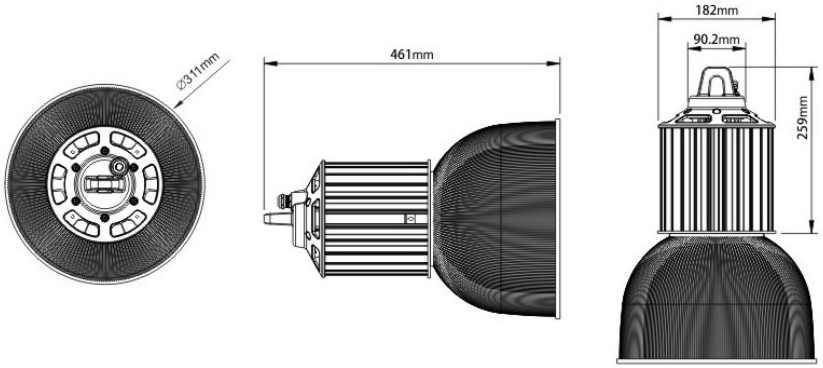
- Baylor TEC - the standard for any project in the industrial sector
- Baylor ECO-DALI - with DALI controls for dimming

FEATURES & BENEFITS

- CRI ≥ 80 as standard
- 4 color temperatures: 2700K, 3000K, 3500K, 4000K
- Long rated life: L90/B10 @50.000h
- High efficiency: 113 lm/w@4000K

APPLICATION

Industrial & Logistic | Sports Halls



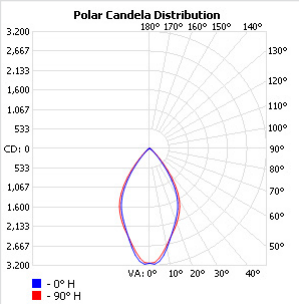
SPECIFICATIONS

Power consumption	27W, 35W, 42W, 47W
Dimensions	D311 x H461 ±1mm
Weight	2.7Kg - 2.8Kg
Housing materials	Aluminium, Polycarbonate
IK code	IK08
THD (at 230V, 50Hz, Full load)	<20%
Protection class	Safety class 1
Operating temperature [˚C]	-20 ... +45 °C / -4F ... +113F
Operating humidity [%]	10 ÷ 85
Power factor	≥0.95
AC Input [Vac]	220 - 240 VAC
Lens angle [˚]	70°
Lifespan [h]	50,000
Housing color	RAL 9006 - white aluminium
Lumen maintenance	L90/B10@50.000h at 25°C
IP factor	IP20
Control optional	**ECO-DALI**
Warranty [years]	5
Storage temperature range [°C]	-20...+55°C / -4F ... +131F
Emergency option	-

Aplicații	Standard
CRI	CRI 80
CCT [K]	2700K/3000K/3500K/4000K
MacAdam	3

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

LIGHT DISTRIBUTION



A70

RISK GROUP

RG1

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 (“Photobiological safety of lamps and lamp systems”). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class “Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)”.Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

TOLERANCES

Luminous flux tolerances: -/+ 5%

Consumption tolerance: -/+ 5% for **TEC** | -/+ 10% for **TEC & KIT EM** | -/+ 10% for **ECO-DALI** | -/+ 15% for **ECO-DALI & KIT EM**

BATTERY WARRANTY

TEC EM & ECO EM: 12 months warranty

TEC & ECO: -

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT

Power	Driver type	Control type	Circuit Breaker Type						
				B			C		
			Amperage	20	16	10	20	16	10
< 50W		TEC		37	30	18	62	51	31
≥ 50W		TEC		37	30	18	62	51	31
< 80W		ECO		27	21	13	45	35	21

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
202000 Baylor GK60E/2700/27W/80/A70	Ø311mmx461mm±1mm	2700K	2870	27W	107	70°
202001 Baylor GK60E/3000/27W/80/A70	Ø311mmx461mm±1mm	3000K	2895	27W	108	70°
202002 Baylor GK60E/3500/27W/80/A70	Ø311mmx461mm±1mm	3500K	2975	27W	111	70°
202003 Baylor GK60E/4000/27W/80/A70	Ø311mmx461mm±1mm	4000K	3035	27W	113	70°
202005 Baylor GK60E/2700/35W/80/A70	Ø311mmx461mm±1mm	2700K	3460	35W	99	70°
202006 Baylor GK60E/3000/35W/80/A70	Ø311mmx461mm±1mm	3000K	3495	35W	100	70°
202007 Baylor GK60E/3500/35W/80/A70	Ø311mmx461mm±1mm	3500K	3590	35W	103	70°
202008 Baylor GK60E/4000/35W/80/A70	Ø311mmx461mm±1mm	4000K	3660	35W	105	70°
202010 Baylor GK60E/2700/42W/80/A70	Ø311mmx461mm±1mm	2700K	3970	42W	95	70°
202011 Baylor GK60E/3000/42W/80/A70	Ø311mmx461mm±1mm	3000K	4010	42W	96	70°
202012 Baylor GK60E/3500/42W/80/A70	Ø311mmx461mm±1mm	3500K	4120	42W	99	70°
202013 Baylor GK60E/4000/42W/80/A70	Ø311mmx461mm±1mm	4000K	4200	42W	100	70°
202015 Baylor GK60E/2700/47W/80/A70	Ø311mmx461mm±1mm	2700K	4380	47W	94	70°
202016 Baylor GK60E/3000/47W/80/A70	Ø311mmx461mm±1mm	3000K	4420	47W	95	70°
202017 Baylor GK60E/3500/47W/80/A70	Ø311mmx461mm±1mm	3500K	4540	47W	97	70°
202018 Baylor GK60E/4000/47W/80/A70	Ø311mmx461mm±1mm	4000K	4630	47W	99	70°