



Hazardous
Lighting Solutions LTD



GLOWEX

Tempered glass, resistant to impact & high temperatures
and sealed in an aluminium body



OFFSHORE



ONSHORE



ANTI-LIGHT
POLLUTION



CHEMICAL



PERIMETER
ZONE LIGHTING



PETROLEUM
PONTOON LOADING

GlowEx-Z1: CE 0722 Ex II 2GD - Ex db eb mb IIC T.. Gb - Ex tb IIIC T.. °C Db - IP66

MECHANICAL FEATURES

Body: Aluminium alloy with low copper content.
With cooling fins for high levels of heat
dissipation.

Fastening bracket: Galvanized steel

Screws: Stainless steel

Entry points: 1xØ20 entry point. Fixture
complete with a NAV20SIB cable gland

Coating: Polyester RAL 7035 (Light grey)

Corrosion resistant: Aluminium alloy

ELECTRICAL FEATURES

Supply voltage: 100–277 V AC

Rated frequency: 50–60 Hz ±5%

Connection: Cable entry to terminal board L, N,
PE (max. 4 mm² cross-section)

Power factor: >0.95

THD: <10%

Over-voltage protection: 4 kV

Dimming (-MN version): 0–10 V, PWM, or
resistor

Cabling: Rigid cables for high temperatures

WORK PARAMETERS

Ambient Temperatures: -40°C +60°C

Degree of Protection: IP66

PHOTOMETRICAL PARAMETERS

Colour temperature: 5000 K

CRI: >70

L90 lifetime: >60,000 hours

GLOWEX SERIES SELECTION TABLE

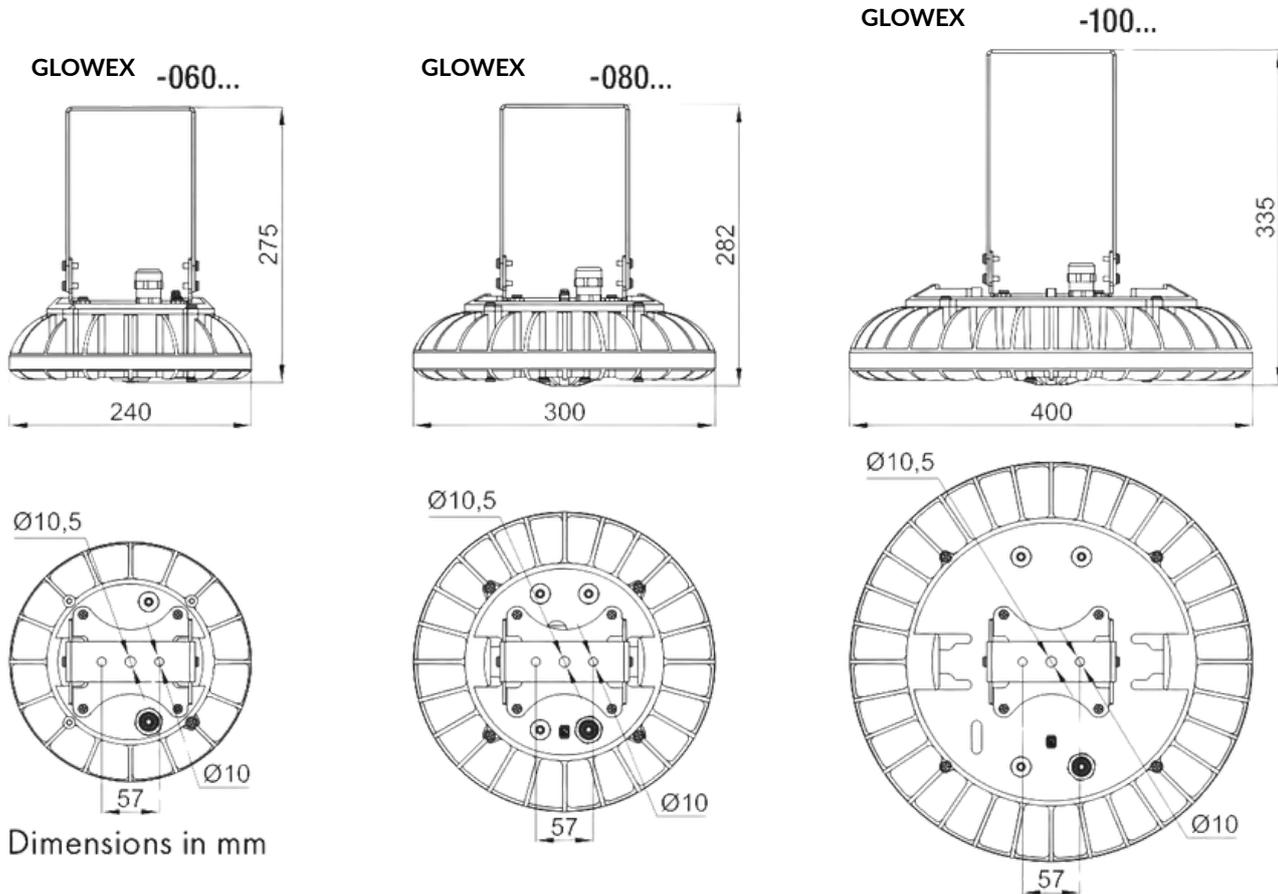
Code	Real Power (W)	Rated Power (W)	Temp Class/Max Surface Temp (TA= +40°C/+50°C/+55°C/+60 °C)	Lumen (lm)	Light Intensity (cd)	Overall Efficiency (lm/W)	Weight (kg)	Dimensions (mm)
GLOWEX-060030	32.8	30	T6 / 73°C – T5 / 83°C – T5 / 88°C – T5 / 93°C	4785	1700	146	3.2	285×245×135
GLOWEX-060040	38.8	40	T6 / 73°C – T5 / 83°C – T5 / 88°C – T5 / 93°C	5531	1966	143	3.2	285×245×135
GLOWEX-060050	46.7	50	T6 / 73°C – T5 / 83°C – T5 / 88°C – T5 / 93°C	6389	2273	137	3.2	285×245×135
GLOWEX-060060	55.6	60	T6 / 73°C – T5 / 83°C – T5 / 88°C – T5 / 93°C	7285	2592	131	3.2	285×245×135
GLOWEX-080070	69.1	70	T5 / 86°C – T4 / 96°C – T4 / 101°C – T4 / 106°C	9547	3438	138	4.2	305×305×140
GLOWEX-080080	79.4	80	T5 / 86°C – T4 / 96°C – T4 / 101°C – T4 / 106°C	10646	3834	134	4.2	305×305×140
GLOWEX-080090	89.2	90	T5 / 86°C – T4 / 96°C – T4 / 101°C – T4 / 106°C	11641	4197	129	4.2	305×305×140
GLOWEX-080100	101.7	100	T5 / 86°C – T4 / 96°C – T4 / 101°C – T4 / 106°C	12708	4582	125	4.2	305×305×140
GLOWEX-100120	117	120	T6 / 74°C – T5 / 84°C – T5 / 89°C – T5 / 94°C	17687	6221	151	7.8	405×405×145
GLOWEX-100140	136.5	140	T6 / 74°C – T5 / 84°C – T5 / 89°C – T5 / 94°C	20154	7086	148	7.8	405×405×145
GLOWEX-100160	156.6	160	T6 / 74°C – T5 / 84°C – T5 / 89°C – T5 / 94°C	22422	7888	143	7.8	405×405×145
GLOWEX-100180	173.6	180	T5 / 85°C – T5 / 95°C – T4 / 100°C – T4 / 105°C	24218	8513	140	7.8	405×405×145
GLOWEX-100200	190.1	200	T5 / 85°C – T5 / 95°C – T4 / 100°C – T4 / 105°C	25709	9040	135	7.8	405×405×145
GLOWEX-100220	214.2	220	T5 / 85°C – T5 / 95°C – T4 / 100°C – T4 / 105°C	27961	9837	131	7.8	405×405×145

GLOWEX SERIES SELECTION TABLE

NORMAL OPERATION

Code	Real Power (W)	Rated Power (W)	Temperature class / Maximum surface temperature	Lumen (lm)	Light Intensity (cd)	Overall Efficiency (lm/W)	Weight (kg)	Dimensions (mm)
GLOWEX-MN-060030	328	30	T6 / 73°C T5 / 83°C T5 / 88°C T5 / 93°C	4784	1700	146	32	285x245 x135
GLOWEX-MN-060040	388	40	T6 / 73°C T5 / 83°C T5 / 88°C T5 / 93°C	5531	1966	143	32	285x245 x135
GLOWEX-MN-060050	467	50	T6 / 73°C T5 / 83°C T5 / 88°C T5 / 93°C	6389	2273	137	32	285x245 x135
GLOWEX-MN-060060	556	60	T6 / 73°C T5 / 83°C T5 / 88°C T5 / 93°C	7285	2592	131	32	285x245 x135
GLOWEX-MN-080070	691	70	T5 / 86°C T4 / 96°C T4 / 101°C T4 / 106°C	9547	3438	138	42	305x30 5x140
GLOWEX-MN-080080	794	80	T5 / 86°C T4 / 96°C T4 / 101°C T4 / 106°C	10646	3834	134	42	305x30 5x140
GLOWEX-MN-080090	892	90	T5 / 86°C T4 / 96°C T4 / 101°C T4 / 106°C	11641	4197	129	42	305x30 5x140
GLOWEX-MN-080100	1,017	100	T5 / 86°C T4 / 96°C T4 / 101°C T4 / 106°C	12708	4582	125	42	305x30 5x140
GLOWEX-MN-100120	1,170	120	T6 / 74°C T5 / 84°C T5 / 89°C T5 / 94°C	17687	6221	151	78	405x40 5x145
GLOWEX-MN-100140	1,365	140	T6 / 74°C T5 / 84°C T5 / 89°C T5 / 94°C	20154	7086	148	78	405x40 5x145
GLOWEX-MN-100160	1,566	160	T6 / 74°C T5 / 84°C T5 / 89°C T5 / 94°C	22422	7882	143	78	405x40 5x145
GLOWEX-MN-100180	1,736	180	T5 / 85°C T5 / 95°C T4 / 100°C T4 / 105°C	24218	8513	140	78	405x40 5x145
GLOWEX-MN-100200	1,901	200	T5 / 85°C T5 / 95°C T4 / 100°C T4 / 105°C	25709	9040	135	78	405x40 5x145
GLOWEX-MN-100220	2,142	220	T5 / 85°C T5 / 95°C T4 / 100°C T4 / 105°C	27961	9837	131	78	405x40 5x145

DIMENSIONAL DRAWINGS



ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

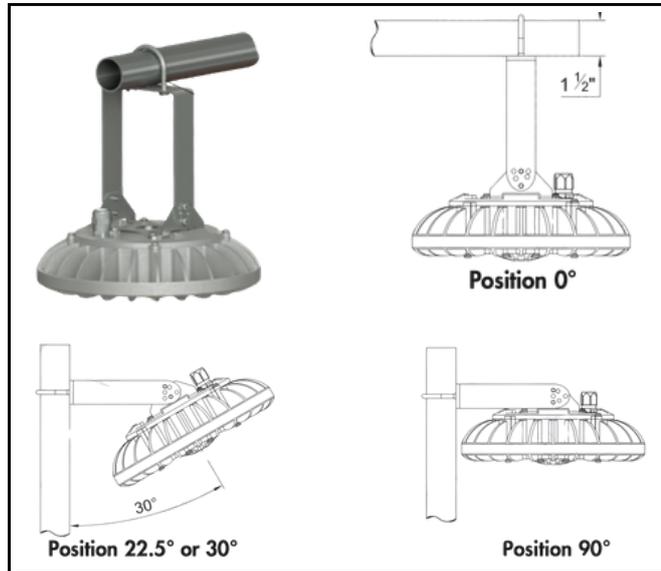
- Electronic power unit
- U- bolt for assembly on a pole
- Adjustable pole fixing bracket for $\text{Ø}1\ 1/2$ " poles and $\text{Ø}2\ 1/2$ "
- Fastening bracket
- Protective guard



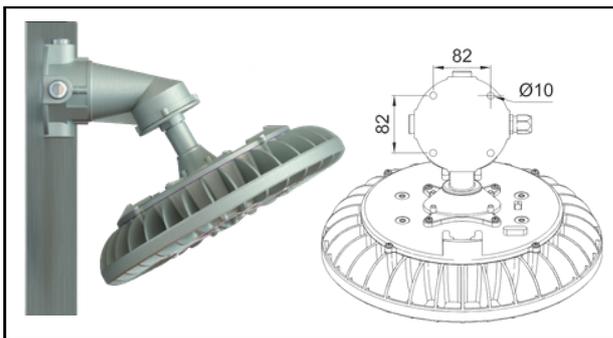
TYPICAL ASSEMBLIES WITH INSTALLATION ACCESSORIES



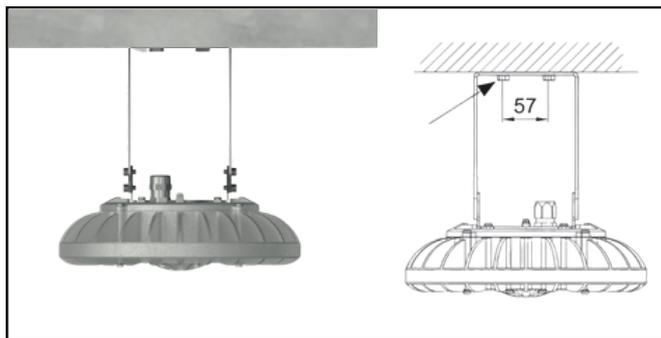
Pole mount mechanism with adjustable bracket



Assembly on 1 1/2" conduit pipe with UBD



Use example of accessories with ISO M80x2 thread with adapter G-0727 (example of use with fixed bracket inclined at 30°)



Ceiling mount, tall model TYPE "U"

PHOTOMETRY

