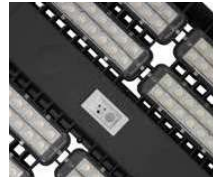


TOP QUALITY. ROBUST. HIGH PERFORMANCE. LONG LIFETIME HIGHBAY

# TYR

- Breakthrough in lifetime (100.000 hours, L80B10) in heavy duty environments water, dirt, vibrations, high ambient temperatures of up to 60°C or mechanical impacts; IP66; IK03 (PMMA) or IK08 (PC)
- Acid-resistant version with special epoxy resin cover and additional painting in anthracite (DB703) available
- High energy efficiency at a light flux of up to 32.000 lumen optimizes lighting performance, resulting in fewer luminaires required per application
- Control options include DALI, built-in motion sensors and daylight dependent light control
- Available in four light distributions, narrow beam (30°), medium beam (60°), wide beam (120°) and oval beam (22°, 100°)



## GENERAL SPECIFICATIONS

Luminous flux	14000 lm		21000 lm		28000 lm		32000 lm
<b>Colour temperature</b>	840 4000 K	765 6500 K	840 4000 K	765 6500 K	840 4000 K	765 6500 K	765 6500 K
<b>CRI</b>	R <sub>a</sub> > 80	R <sub>a</sub> > 70	R <sub>a</sub> > 80	R <sub>a</sub> > 70	R <sub>a</sub> > 80	R <sub>a</sub> > 70	R <sub>a</sub> > 70
<b>System power</b>	140 W	114 W	210 W	171 W	280 W	228 W	280 W
<b>Luminous flux</b>	100 lm/W	123 lm/W	100 lm/W	123 lm/W	100 lm/W	123 lm/W	114 lm/W
<b>Optics</b>	Wide, medium, narrow beam or oval beam (for high rack applications, narrow in cross and wide beam in length direction)						
<b>Lifetime</b>	100,000 hours at 35 °C, lumen maintenance of 80% (L80B10)						
<b>Weight</b>	12,5 kg						
<b>UGR<sub>r</sub> (4 h/8h)</b>	20 (NB, narrow beam); 22 (MB, medium beam); 29 (WB, wide beam)						
<b>Operating temperature</b>	-35° C to +50° C and -35° C to +60° C						
<b>Cover material / impact strength</b>	PMMA IK03; PC IK08						
<b>Other option</b>	Daylight and presence control with sensor (not for acid-resistant or an ambient temperature of 60° C)						



ELECTRICAL SPECIFICATIONS

<b>Driver</b>	STD standard or DALI dimming, DC suitable
<b>Input voltage</b>	230 V, 50 Hz
<b>LED module</b>	16 high power LED per module
<b>PF, THD</b>	0.9; 20% max.
<b>Surge protection</b>	4 kV

COMPLIMENTARY SPECIFICATIONS

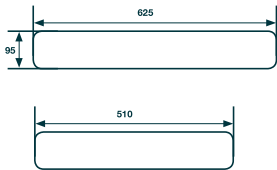
<b>Housing material</b>	Die cast aluminum, painted
<b>Cover and optic material</b>	Cover from PMMA (Polymethyl methacrylate) or PC (Polycarbonate), optics from PMMA
<b>LED compartments</b>	8 LED compartments filled with LED for 28,000 lm; 6 LED compartments filled with LED for 21,000 lm; 4 LED compartments filled with LED for 14,000 lm
<b>Cable</b>	Standard 3 m (DALI 5 x 2.5 mm <sup>2</sup> ; STD 3 x 2.5 mm <sup>2</sup> )
<b>Mounting options</b>	Steel wire (3 m), brackets for direct ceiling mounting, accessory for fixing at only one point at ceiling
<b>Weight</b>	12.5 kg

PREFERRED SELECTION

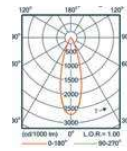
Type	System power (W)	Luminous flux (lm)	Luminous-efficacy (lm/W)	Colour temperature (K)	CRI (Ra)
<b>TYR 32000lm 765 STD NB</b>	280	32000	114	6500	>70
<b>TYR 32000lm 765 STD MB</b>	280	32000	114	6500	>70
<b>TYR 32000lm 765 STD WB</b>	280	32000	114	6500	>70
<b>TYR 32000lm 765 STD OV</b>	280	32000	114	6500	>70
<b>TYR 28000lm 840 STD NB</b>	280	28000	100	4000	>80
<b>TYR 28000lm 840 STD MB</b>	280	28000	100	4000	>80
<b>TYR 28000lm 840 STD WB</b>	280	28000	100	4000	>80
<b>TYR 28000lm 840 STD OV</b>	280	28000	100	4000	>80
<b>TYR 28000lm 765 STD NB</b>	228	28000	123	6500	>70
<b>TYR 28000lm 765 STD MB</b>	228	28000	123	6500	>70
<b>TYR 28000lm 765 STD WB</b>	228	28000	123	6500	>70
<b>TYR 28000lm 765 STD OV</b>	228	28000	123	6500	>70

DIMENSIONAL DRAWING

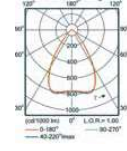
All measures in millimeter



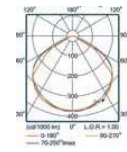
LIGHT DISTRIBUTION



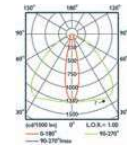
NB, Narrow beam



MB, Medium beam



WB, Wide beam



OV, Oval

<b>TYR 21000lm 840 STD NB</b>	210	21000	100	4000	>80
<b>TYR 21000lm 840 STD MB</b>	210	21000	100	4000	>80
<b>TYR 21000lm 840 STD WB</b>	210	21000	100	4000	>80
<b>TYR 21000lm 840 STD OV</b>	210	21000	100	4000	>80
<b>TYR 21000lm 765 STD NB</b>	171	21000	123	6500	>70
<b>TYR 21000lm 765 STD MB</b>	171	21000	123	6500	>70
<b>TYR 21000lm 765 STD WB</b>	171	21000	123	6500	>70
<b>TYR 21000lm 765 STD OV</b>	171	21000	123	6500	>70

Available: DALI, 14000LM, DPC-ACL