Maxolid –High Efficiency, 24K Lumen

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Efficient lighting leads to a brighter future



Features :

- Best energy-efficiency : System efficacy of >110 lm/W, 1:1 replacement of 400W HPI- BU
- Comfortable light: CRI of 70 for ensures better color rendering
- Optimal lighting effects: new light platform & optical design reduce 20% glare
- Robust & Reliable: IP65 & IK 08 protection and 50K hours system life time
- Wider Industry Application: Available with ENB-SY20 and NB- SK60 optics and suited for ambient temperature unto 45 deg C
- Reduced Weight: Max 9 kg

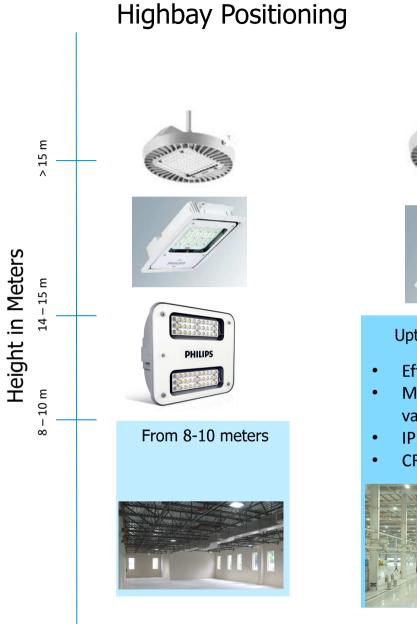


Product Specifications- Maxolid Non Integral

Description	Maxolid Highbay Non Integral	
System Wattage	210 W	
Lumen Output	24000 Lm	
System Efficacy	>110 Lm/W	
	ENB(2*10)-SY20	
Optics	NB(2*30)-SY60	
Color temperature	5700K	
CRI	>70	
IP	IP 65	Ê
Gasket Material	Heat Proof Silicone rubber ring	
Housing	High Pressure Die Cast Aluminium	
	High Transmittance Tempered	
Cover	Glass	
Mounting	Hook/Pole	
Driver	Philips Xitanium- 2 Nos.	
THD	10%	
Power Factor	>.95	
Operating Voltage Range	140V-270 AC	
IK	IK 08	
Weight	9 Kg	
SDCM	<5	

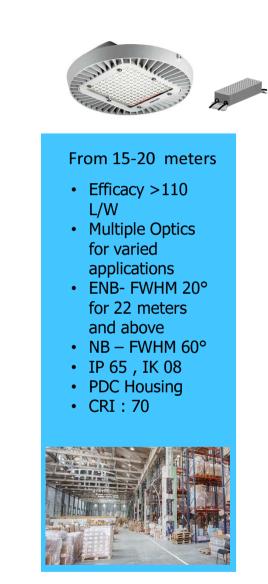






Upto 12-15 meters Efficacy : >120 L/W Multiple optics for varied applications IP 65, IK 08 CRI: 80

Products proposition



Features and benefits

Use with peace of mind

- 4 KV Surge Protection Reliable Savings, lasting brightness High performance in a robust and compact design
- IK08 classification
- IP65 certified
- Efficacy : >110 Lm/w
- CRI >70
- Point to point replacement for a HPI 400W Highbay

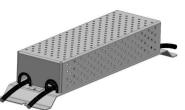
Long-lasting performance

- Designed for energy savings of up to 75% compared with conventional lighting
- L70 50k hours*

*Designed to sustain 70% of initial lumen output (L70) at 50,000 hours of lifetime

High-quality materials and design

- Toughened and shatter-proof quality glass enhances safety
- Pressure die-cast housing offers excellent corrosion-resistance and ⁵ robustness



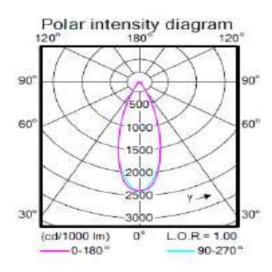




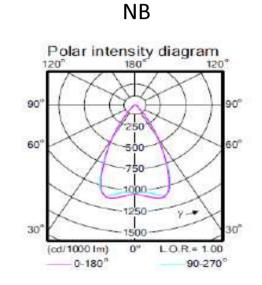
Maxolid LED Highbay BYP416P

Optimal lighting effects

- New designed optic module allows UGR < 25
- Two beam angle, ENB, NB



- Extra Narrow beam
- FWHM 20°
- rotational symmetry
- centralized beam fit for high ceiling



- Narrow beam
- FWHM 60°
- rotational symmetry
- fit for low ceiling and general lighting



ENB

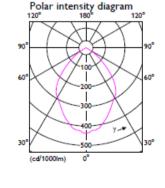
Maxolid LED Highbay BY416P

What does this product compare with?

Best Energy Efficiency

Parameter	400W HPI BU High Bay	Maxolid Highbay- NI
Lamp wattage	HPI BU 400W	210W LED System
Lamp lumen output	32500	
Luminaire efficiency	0.7	
Effective lumen output	22750	24000
System wattage	440W	210W
Savings		~230W Per point
		>50% Per point

Savings < 70% against the conventional Highbay on EM (HPL) Gear



Service upward

Service do

ight output ratio

0.65

0.00

Downward Light Output Ratio = DLOR

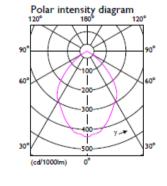
= Optical efficiency of the conventional luminaire in throwing the light downward compared to the lumens generated by the lamp inside the optical chamber.

Endura LED Highbay BY325P What does this product compare with? Best Energy Efficiency

Retrofit Project against 2 years old installed Highbay

Parameter	400W Highbay	Maxolid LED Highbay	
Lamp wattage	HPI BU 400W	210 LED System	
Lamp lumen output	42000		
LM@10K & DLOR	70% & .7		
Effective lumen output	20580	24000	
System wattage	440W	210W	
Savings		~230 Per point	
		>50% Per point	

Savings < 50% against the conventional Highbay on EM(SON) Gear Lumen maintenance @ 10000 Hr : 70%



Downward Light Output Ratio = DLOR

= Optical efficiency of the conventional luminaire in throwing the light downward compared to the lumens generated by the lamp inside the optical chamber.

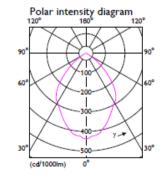
ght output ratio 0.65 Service upward 0.00 Service downward 0.65

Endura LED Highbay BY325P What does this product compare with? Best Energy Efficiency

Retrofit Project against 2 years old installed Highbay

Parameter	400W Highbay	Maxolid LED Highbay	
Lamp wattage	HPI BU 400W	210 LED System	
Lamp lumen output	32500		
LM@10K & DLOR	70% & .65		
Effective lumen output	16000	24000	
System wattage	440W	210W	
Savings		~230 Per point	
		>50% Per point	

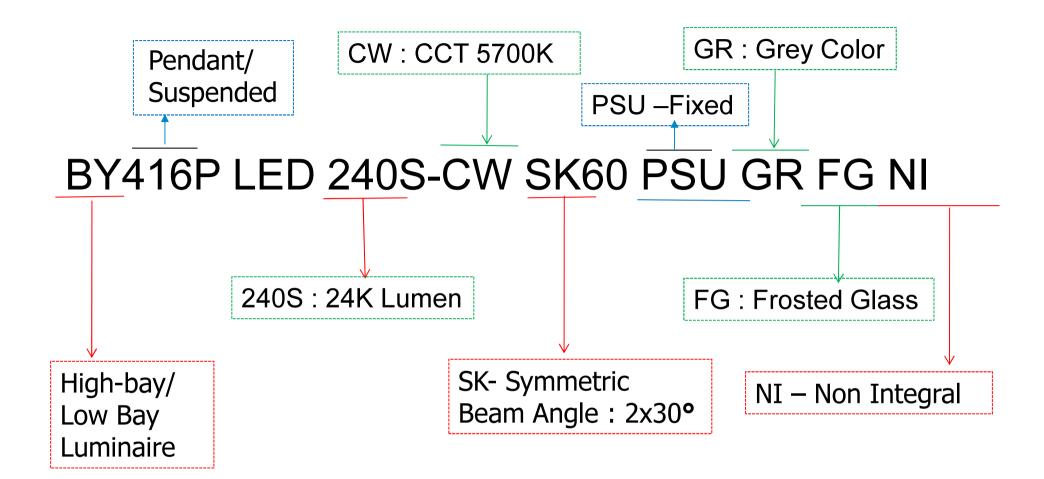
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Downward Light Output Ratio = DLOR

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ght output ratio 0.65 Service upward 0.00 Service downward 0.65



How to read the Cat ref

Ordering Codes

S No.	Mounting Type	12 NC	Item Description	Qty. Per Box
1	Maxolid NI Highbay	919515811995	BY416P LED240S CW SK60 FG GR NI S5	1
2	Maxolid NI Highbay	919515811996	BY416P LED240S CW SY20 FG GR NI S5	1
3	Gear Box – IP 20	919515811943	ZVS431 2x100W PSU XTFCL	1
4	Gear Box – IP 66		TO BE ANNOUNCED	

Spare 12 NC

S No.	12 NC	Item Description	SPARE DRIVER 12 NC
1	919515811995	BY416P LED240S CW SK60 FG GR NI S5	9290 014 04806
2	919515811996	BY416P LED240S CW SY20 FG GR NI S5	9290 014 04806



Phase In Phase Out- Specification Details

Type Ref	BY416P LED220S CW SY20 FG PSU GR NI & BY416P LED220S CW SK60 FG PSU GR NI	BY416P LED240S CW SY20 FG GR NI S5 & BY416P LED240S CW SK60 FG GR NI S5
System Lumen	22000 Lumens	24000 Lumens
System Wattage	210 Watts	210 Watts
Luminous Efficacy	> 100 Lm / Watt	> 110 Lm / Watt
Color Temperature	5700 Kelvin	5700 Kelvin
IP Rating	IP 65	IP 65
System Power Factor	> 0.95	> 0.95
Surge Protection	3KV	4KV
THD	< 10	< 10



MI Sheet

LED HIGHBAY

