

SmartBright Lowbay

BY118P & BY158P

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Indoor Segment
PLS Growth Market
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SmartBright Lowbay *BY118P* & *BY158P*

Smart LED replacement for CFL 85/65/45W



Energy
Saving
55%



- **High Energy Saving:** System efficacy 85lm/W; Replaces CFL 85/65/45W conventional Lowbay, energy saving up to 55%
- **Excellent lighting quality:** Low glare, CRI 80, SDCM<5, provide a comfortable lighting experience
- **Safe & Reliable:** 25000hrs @Ta25C; 100 RoHS product, whole Philips quality ensures safety and reliability
- **Flexible installation:** Provide hook and pipe installations, pipe has 3 different dimension choices
- **Elegant design:** 2 Classic and stylish design, fit application in both Industry and Retail

High Energy Saving

LED replacement for CFL 85/65/45W

High watt CFL lowbay



SmartBright Lowbay



Lifetime

4
times

High watt CFL

6000 Hrs

SmartBright Lowbay

25000 Hrs

System efficiency

Save

52%

40W

85W

SB Lowbay LED33

CFL 85W

Save

53%

30W

65W

SB Lowbay LED21

CFL 65W

Save

55%

20W

45W

SB Lowbay LED16

CFL 45W

High Energy Saving

40W BY118P/BY158P can even replace 70W metal halogen solution

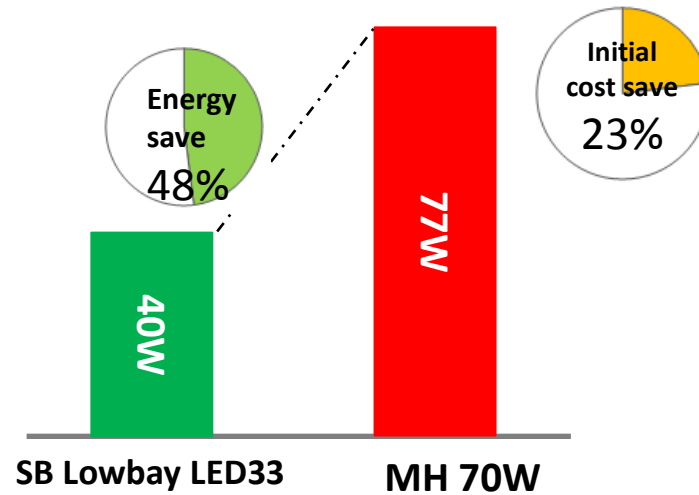
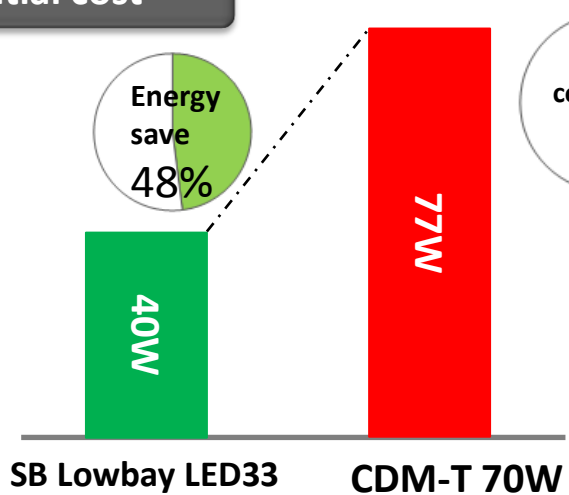


Conv. solution
MCS070 HPK138



SmartBright Lowbay
BY118P/BY158P

Initial cost



PHILIPS

Main Application

SmartBright Lowbay

Replacement for application with CFL85/ 65/ 45W

Factory



Warehouse



Sports



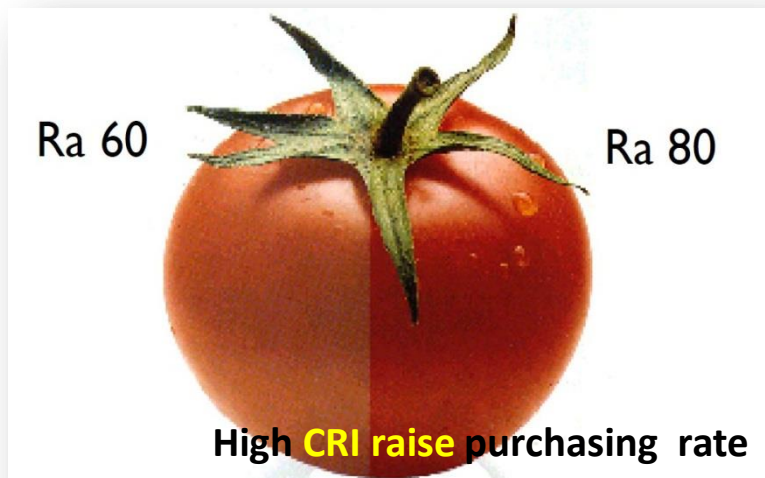
Supermarket



Retail Application



Excellent lighting quality



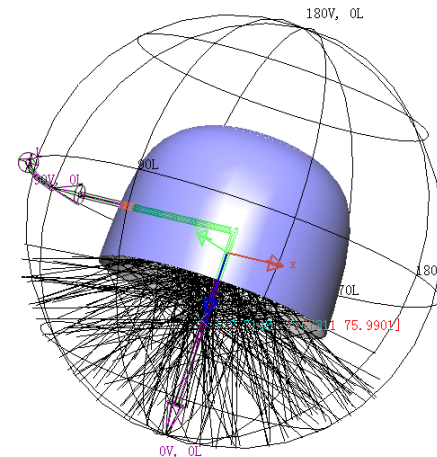
Lumileds LED chips

☺ SDCM ≤ 5

Optimized CCT consistency

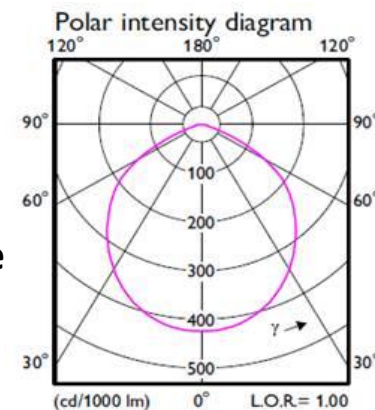
Bad CCT consistency ☹ SDCM > 7

Optimized
optic design



Optic design
+
Light cover
+
Shielding angle

Lower glare



Comfort Lighting Experience

PHILIPS

Philips quality ensures safety and reliability

All Philips Solution



PHILIPS
LUMILEDS
Philips 3030 2D LED



PHILIPS
Philips LED Driver

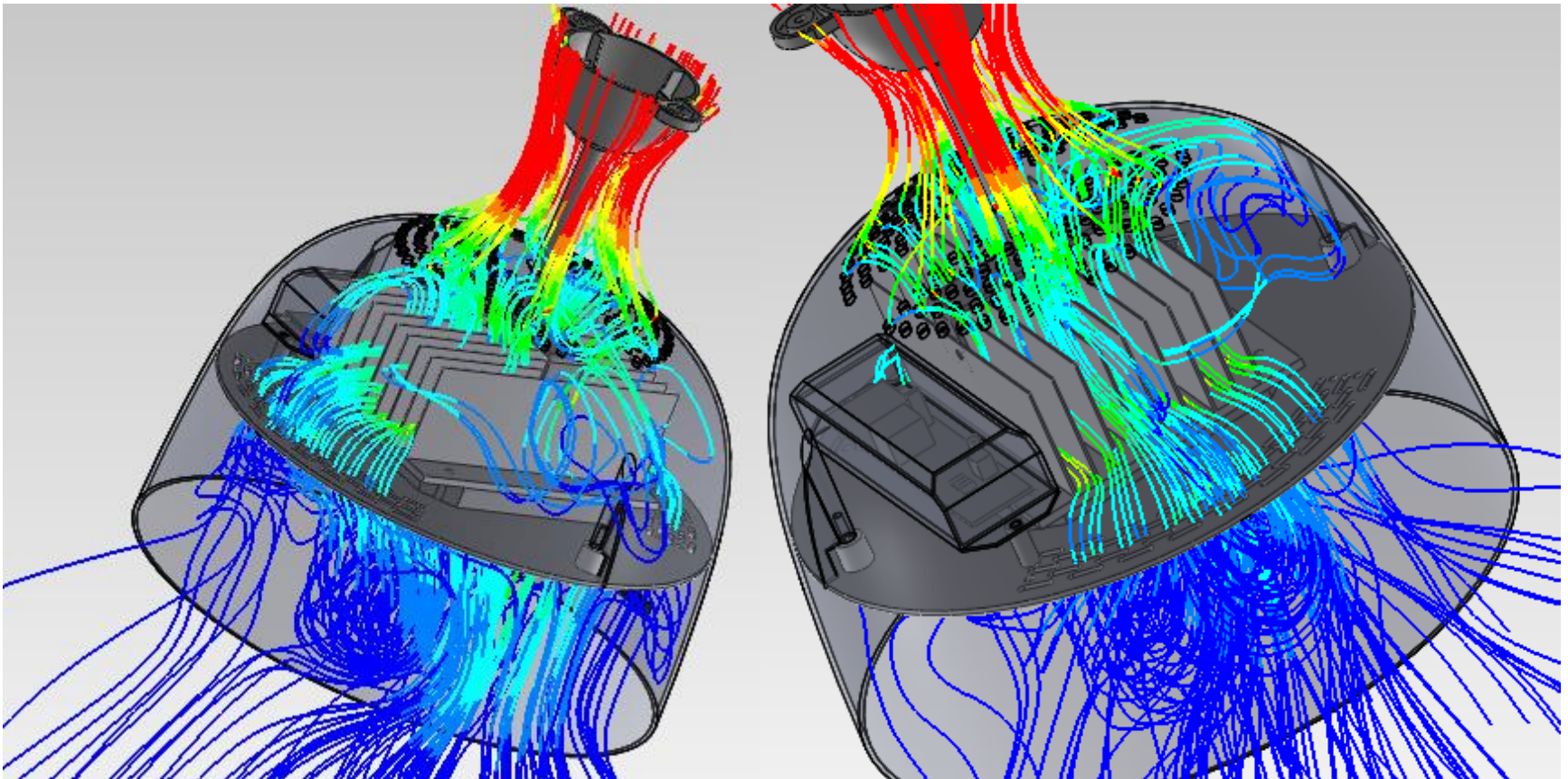


PHILIPS
Green Field
Philips LED lighting factory

PHILIPS

Excellent heat design to assure lifetime

- Unique design used for **air convection** enables efficient heat dissipation for LED and driver
- Operates from **-20°C to +35°C**



Flexible Installation

Design

Watt/ Dimension

CCT

Installation



BY118P



40W/ 10inch



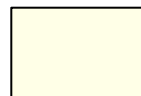
CW/ 6500K



Suspended



30W/ 9inch



NW/ 4000K



300mm
600mm
1000mm

Pipe



BY158P



20W/ 9inch



WW/ 3000K



Hook

Elegant Design

Helmet: Clean & Solid



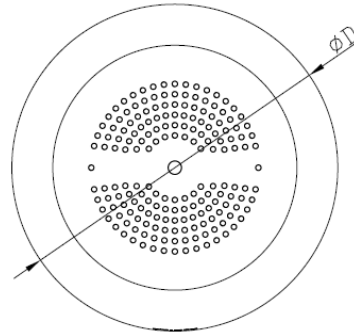
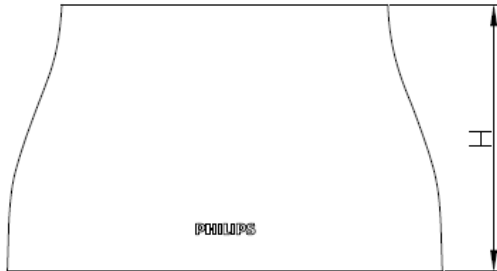
Shade Variation
Professional

Holy grail: Clean & Fashion



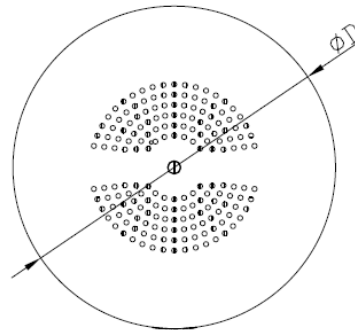
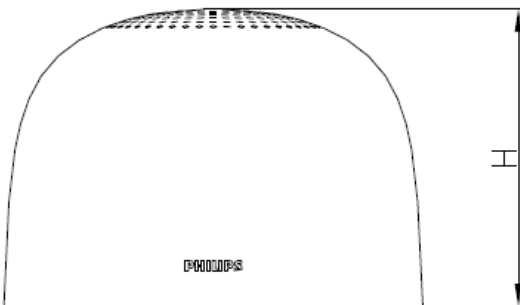
Shade Variation
Consumer

Product dimension



Type	D	H
BY118P LED33	254	155
BY118P LED21	226	137
BY118P LED16	226	137

unit:mm



Type	D	H
BY158P LED33	254	180
BY158P LED21	226	155
BY158P LED16	226	155

unit:mm

Product Specification

Spec	BY118P/BY158P SmartBright Lowbay		
System output	3400lm	2300lm	1700lm
System Watt	40W	30W	20W
CCT	CW(6500K)/ NW (4000K)/WW(3000K)		
CRI	CRI 80		
SDCM	SDCM<5		
Lifetime	25000 Hrs(L70)		
Control	PSU fixed		
LED	Lumileds LED chip		
LED driver	Philips driver		
PF	>0.9		
Material	Cover: PC Light cover: PC diffuser board		
IP rating	IP20		
Dimension (DxH)	254x180 mm (BY158) 254x155 mm (BY118)	226x155 mm (BY158) 226x137 mm (BY118)	226x155 mm (BY158) 226x137 mm (BY118)
Weight	1.08kg	0.85kg	0.78kg
Ta	-20°C~35°C		
Classification	Class I		
Input voltage	220-240V、 50/60 Hz		
Color	Silver (Standard 12ncs) White/Black (ETO options)		
Mounting	Suspended / Pipe mounted / Hook mounted		
Compliance	CB/ EMC/ AZS/ CE		

Order information

Luminaires

12NC	Description	Lumen	CCT	Watt.
911401833399	BY118P LED16/CW PSU	1700	6500K	20W
911401833299	BY118P LED16/NW PSU	1700	4000K	20W
911401833199	BY118P LED16/WW PSU	1700	3000K	20W
911401833699	BY118P LED21/CW PSU	2300	6500K	30W
911401833599	BY118P LED21/NW PSU	2300	4000K	30W
911401833499	BY118P LED21/WW PSU	2300	3000K	30W
911401832199	BY118P LED33/CW PSU	3400	6500K	40W
911401833899	BY118P LED33/NW PSU	3400	4000K	40W
911401833799	BY118P LED33/WW PSU	3400	3000K	40W
911401832499	BY158P LED16/CW PSU	1700	6500K	20W
911401832399	BY158P LED16/NW PSU	1700	4000K	20W
911401832299	BY158P LED16/WW PSU	1700	3000K	20W
911401832699	BY158P LED21/CW PSU	2300	6500K	30W
911401832899	BY158P LED21/NW PSU	2300	4000K	30W
911401832599	BY158P LED21/WW PSU	2300	3000K	30W
911401833099	BY158P LED33/CW PSU	3400	6500K	40W
911401832999	BY158P LED33/NW PSU	3400	4000K	40W
911401832799	BY158P LED33/WW PSU	3400	3000K	40W

Order information

Accessory

12NC	Description	Remark	
911401575821	BY118Z Pipe L300	30cm pipe	
911401575921	BY118Z Pipe L600	60cm pipe	
911401588721	BY118Z Pipe L100	100cm pipe	
911401576021	BY118Z CM	Suspended accessory	
911401576121	BY118Z Hook	Hook	

ETO Options



Both types have white and black housing options

- Ready in the certificate
- No standard 12ncs, create ETO 12ncs if have requests

