RiO Light Dynamic Solid State Lighting

RiO®

RiO®

RiO®

LED Spot Lights 1-74P

LED Wall Lights 151-154P

LED Module 169-174P

Index

LED

SPOT LIGHTS

LTM504

9W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 10W

System Lumen:
2700K: CRI95=530 CRI90=569 CRI80=735
3000K: CRI95=609 CRI90=649 CRI80=768
4000K: CRI90=725 CRI80=827
5000K: CRI80=840

System Lm/w:
2700K: CRI95=53 CRI90=57 CRI80=74
3000K: CRI95=61 CRI90=65 CRI80=77
4000K: CRI90=73 CRI80=83
5000K: CRI80=84

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Input Voltage: Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;220-240V 50/60Hz

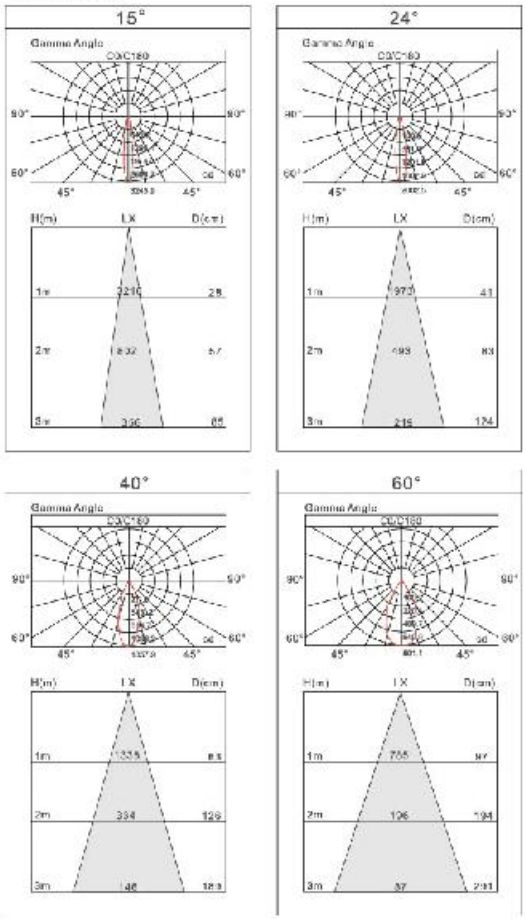
L3TM504

9W 3 wire Single Circuit Spot Light with built-in driver

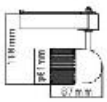
LTC504

9W Surface Mounted Spot Light with built-in driver

3000K CRI90



LTM137



9W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 11W

System Lumen:
2700K: CRI95=565 CRI90=607 CRI80=783
3000K: CRI95=649 CRI90=692 CRI80=819
4000K: CRI90=773 CRI80=882
5000K: CRI80=896

System Lm/w:
2700K: CRI95=51 CRI90=55 CRI80=71
3000K: CRI95=59 CRI90=63 CRI80=84
4000K: CRI90=70 CRI80=80
5000K: CRI80=81

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 350 ° rotate /60 ° vertical

Input Voltage:
Non-Dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

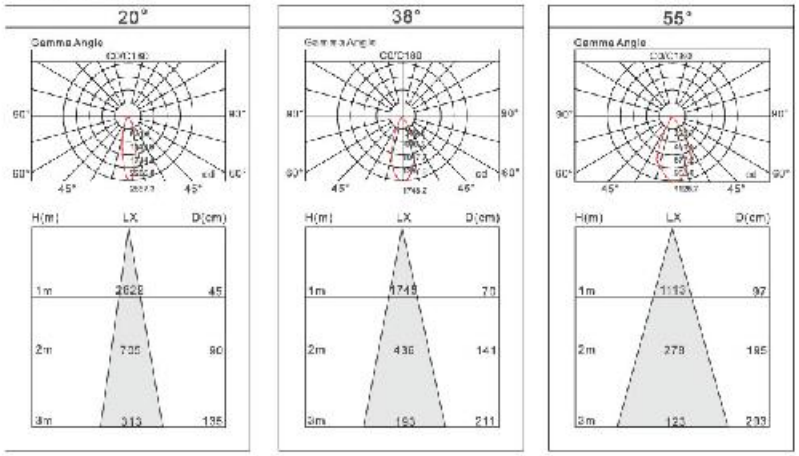
L3TM137

9W 3 wire Single Circuit Spot Light with built-in driver

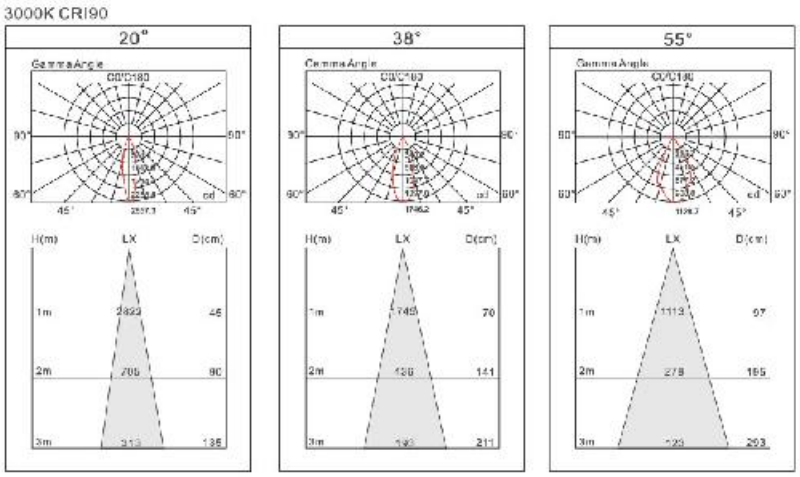
LTC137

9W Surface Mounted Spot Light with built-in driver

3000K CRI90

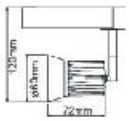


3000K CRI90



LTM401

9W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 11W

System Lumen:
2700K: CRI95=565 CRI90=607 CRI80=783
3000K: CRI95=649 CRI90=692 CRI80=819
4000K: CRI90=773 CRI80=882
5000K: CRI80=896

System Lm/w:
2700K: CRI95=51 CRI90=55 CRI80=71
3000K: CRI95=59 CRI90=63 CRI80=64
4000K: CRI90=70 CRI80=80
5000K: CRI80=81

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 350 ° rotate 90 ° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;
220-240V 50/60Hz

L3TM401

9W 3 wire Single Circuit Spot Light with built-in driver

LTC401

9W Surface Mounted Spot Light with built-in driver

LIGHT DYNAMIC

Dynamic exhibition hall interior design ideas are a major requirement that cannot be ignored by a company that activities in the field of building architecture, because the exhibition space and presentation room owned, may represent quality and ability of the company and it could became part of the exhibition and the presentation itself. Starting from the reception area, there could be mirrored reception desk welcomed the prospective investors and customers, designed with dynamic and explicit geometric lines forming of irregular geometric shapes but it looks very cool and interesting as an illustration of creative thinking which is without limit and no rigid rule, it s only creativity. In harmony with geometric lines on reception wall tiles combined with some abstract paintings that laid out spread on the wall.

Gallery/ Museum Lighting

3000K
Ra 98
R9 98
GAI 100

Optimized for gallery and world renowned museums
Superior for color, feel and consistent appearance

LTMP401

9W 2 wire Single Circuit Spot Light with built-in driver

LED Power:9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 11W

System Lumen:
2700K: CRI95=565 CRI90=607 CRI80=783
3000K: CRI95=649 CRI90=692 CRI80=819
4000K: CRI90=773 CRI80=882
5000K: CRI80=896

System Lm/w:
2700K: CRI95=51 CRI90=55 CRI80=71
3000K: CRI95=59 CRI90=63 CRI80=84
4000K: CRI90=70 CRI80=80
5000K: CRI80=81

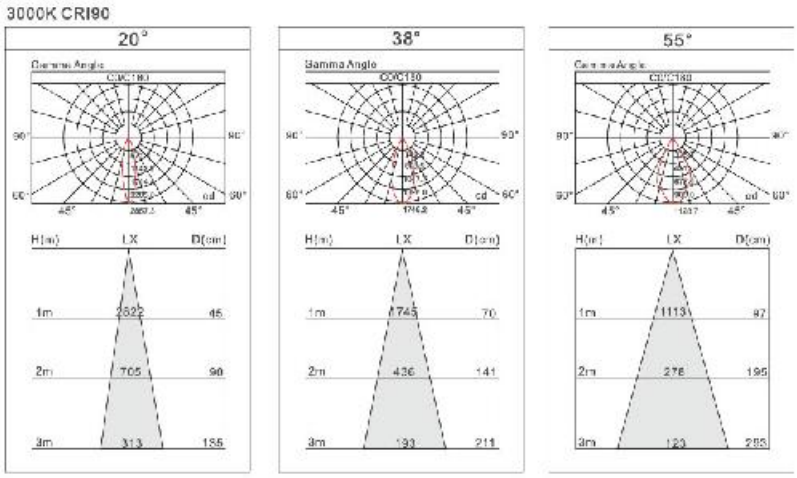
Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 350 ° rotate /80 ° vertical

Input Voltage:
Non-Dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90



L3TMP401

9W 3 wire Single Circuit Spot Light with built-in driver

LTCP401

9W Surface Mounted Spot Light with built-in driver


RiO®

LTM402

13W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power:16W

System Lumen:
2700K: CRI95=738 CRI90=783 CRI80=1002
3000K: CRI95=838 CRI90=902 CRI80=1066
4000K: CRI90=979 CRI80=1139
5000K: CRI90=990 CRI80=1148

System Lm/w:
2700K: CRI95=46 CRI90=49 CRI80=63
3000K: CRI95=52 CRI90=56 CRI80=67
4000K: CRI90=61 CRI80=71
5000K: CRI90=62 CRI80=72

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 350 ° rotate /60 ° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;
220-240V 50/60Hz

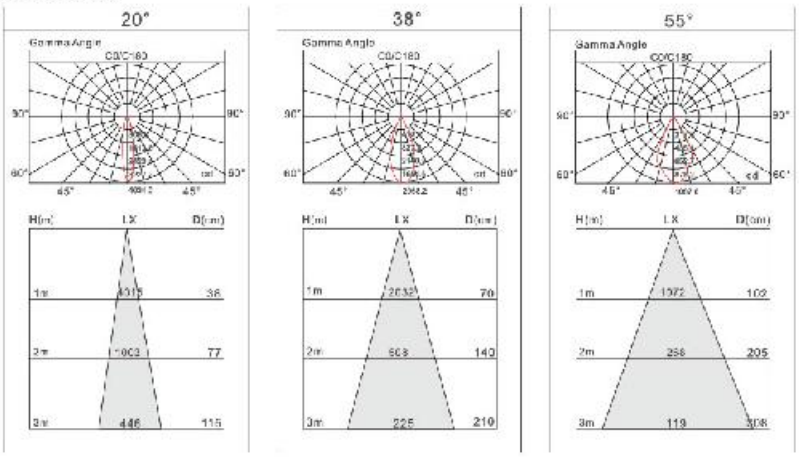
L3TM402

13W 3 wire Single Circuit Spot Light with built-in driver

LTC402

13W Surface Mounted Spot Light with built-in driver

3000K CRI90



LTM501

9W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 11W

System Lumen:
2700K: CRI95=565 CRI90=607 CRI80=783
3000K: CRI95=649 CRI90=692 CRI80=819
4000K: CRI90=773 CRI80=882
5000K: CRI80=896

System Lm/w:
2700K: CRI95=51 CRI90=55 CRI80=71
3000K: CRI95=59 CRI90=63 CRI80=84
4000K: CRI90=70 CRI80=80
5000K: CRI80=81

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 350 ° rotate 90 ° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;
220-240V 50/60Hz

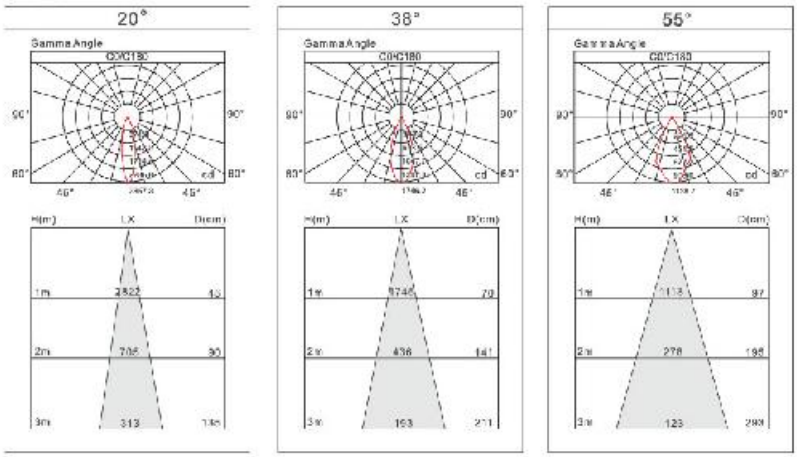
L3TM501

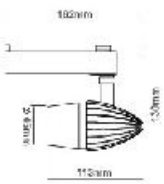
9W 3 wire Single Circuit Spot Light with built-in driver

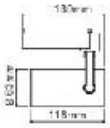
LTC501

9W Surface Mounted Spot Light with built-in driver

3000K CRI90







LTM503

13W 2 wire Single Circuit Spot Light with built-in driver

LED Power:13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power:16W

System Lumen:
2700K:CRI95=712 CRI90=756 CRI80=967
3000K:CRI95=809 CRI90=870 CRI80=1028
4000K:CRI90=945 CRI80=1099
5000K:CRI90=958 CRI80=1108

System Lm/w:
2700K: CRI95=45 CRI90=47 CRI80=60
3000K: CRI95=51 CRI90=54 CRI80=64
4000K: CRI90=59 CRI80=68
5000K: CRI90=60 CRI80=69

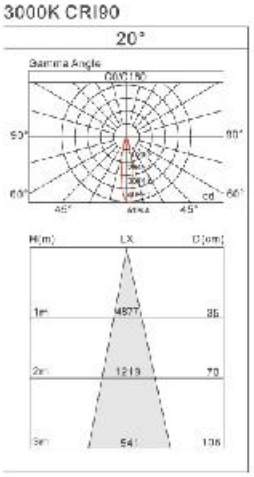
Beam Angle: 20°/40°

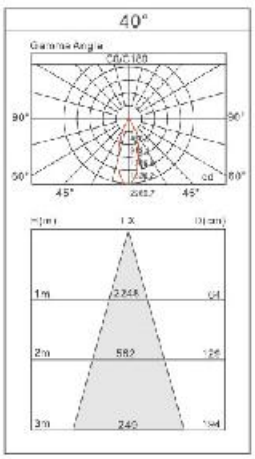
Material: Aluminium

Tilting Angle: 350° rotate/ 80° vertical

Input Voltage: Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90





L3TM503

13W 3 wire Single Circuit Spot Light with built-in driver

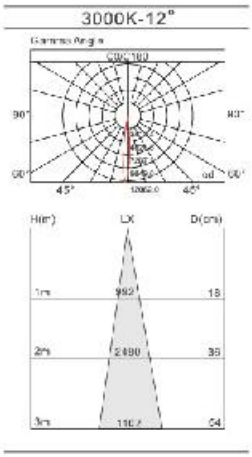
LTC503

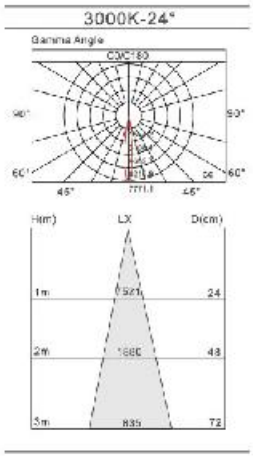
13W Surface Mounted Spot Light with built-in driver

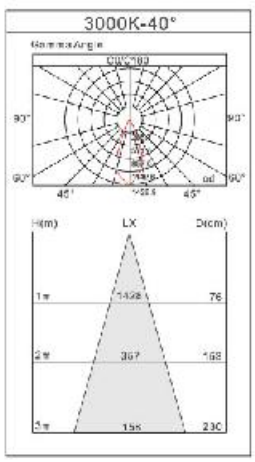

adidas


ZARA
ZARA


moto







LTM201

13W 2 wire Single Circuit Spot Light with built-in driver

LED Power:13W

LED Lumen:
2700K: CRI82=886;3000K:CRI82=888
4000K: CRI82=942;5000K:CRI82=996

System Power: 14W

System Lumen:
2700K: CRI82=593;3000K:CRI82=599
4000K: CRI82=631;5000K:CRI82=667

System Lm/w:
2700K: CRI82=41;3000K:CRI82=42
4000K: CRI82=44;5000K:CRI82=47

Beam Angle: 12°/24°/40°

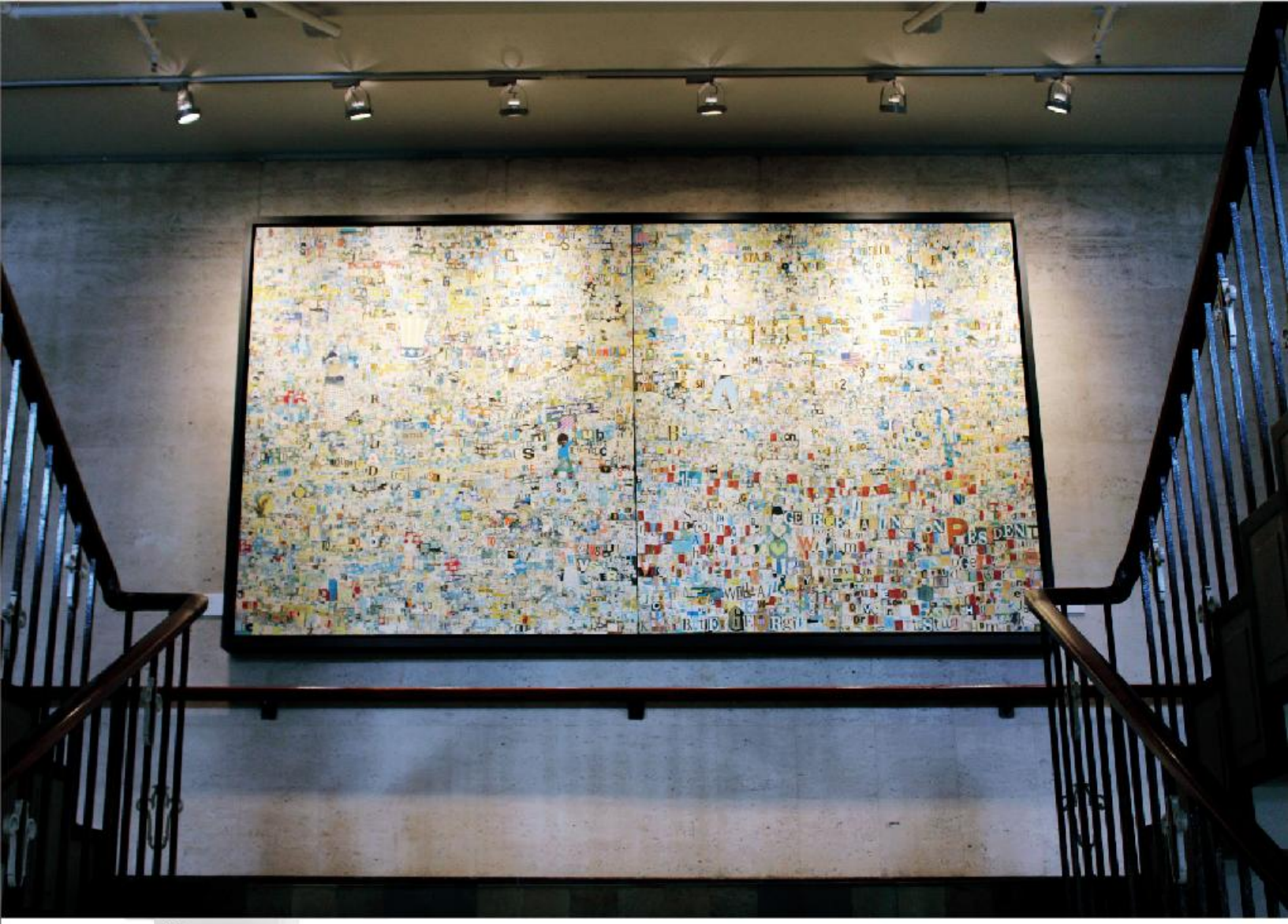
Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;
220-240V 50/60Hz

L3TM201

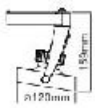
9W 3 wire Single Circuit Spot Light with built-in driver



LTM202

13W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 13W



LED Lumen:
2700K: CRI82=866;3000K:CRI82=886
4000K: CRI82=942;5000K:CRI82=996

System Power: 14W

System Lumen:
2700K: CRI82=593;3000K:CRI82=599
4000K: CRI82=631;5000K:CRI82=667

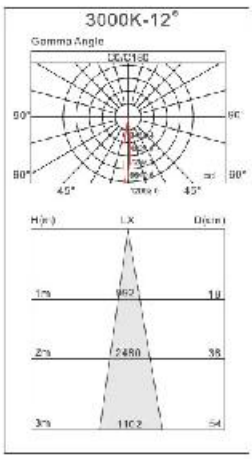
System Lm/w:
2700K: CRI82=41;3000K:CRI82=42
4000K: CRI82=44;5000K:CRI82=47

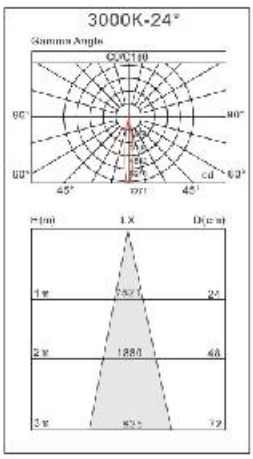
Beam Angle: 12°/24°/40°

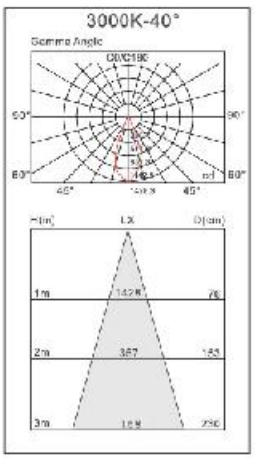
Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz;
220-240V 50/60Hz



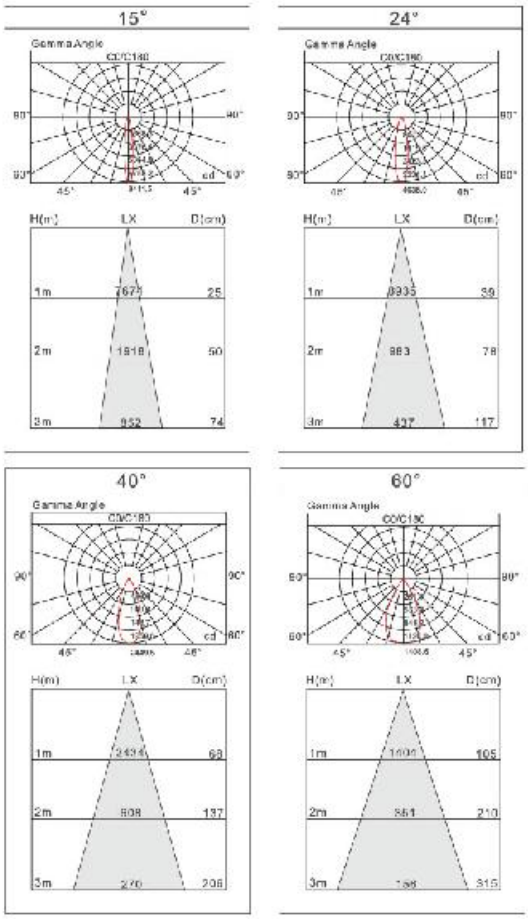




L3TM202

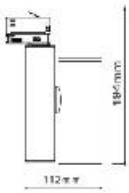
9W 3 wire Single Circuit Spot Light with built-in driver

3000K CRI90



LTB510

13W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=80 CRI80=76
5000K: CRI90=67 CRI80=77

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350 ° rotate 60 ° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TB510

13W 3 wire Single Circuit Spot Light with built-in driver

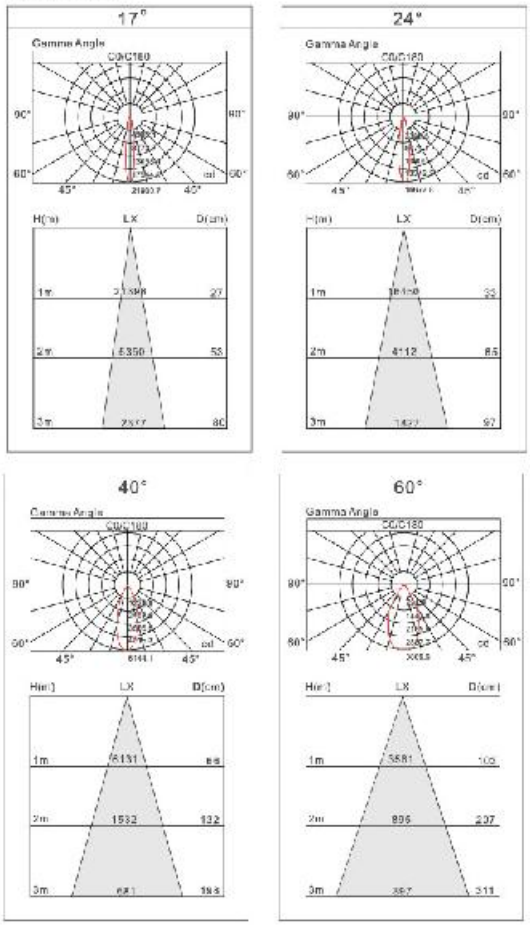
L4TB510

13W 3-phase Spot Light with built-in driver

LTC510

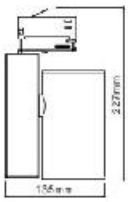
13W Surface Mounted Spot Light with built-in driver

3000K CRI90



LTB511

33W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2922
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=81
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle:360° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TB511

33W 3 wire Single Circuit Spot Light with built-in driver

L4TB511

33W 3-phase Spot Light with built-in driver

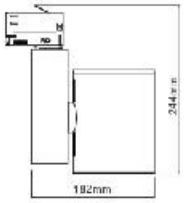
LTC511

33W Surface Mounted Spot Light with built-in driver


KEF
SONY


iPhone 6 S
SAMSUNG
TV
HARP

LTB512



43W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:
2700K: CRI95=2820 CRI90=2995 CRI80=3831
3000K: CRI95=3204 CRI90=3448 CRI80=4075
4000K: CRI95=3553 CRI90=3919 CRI80=4318
5000K: CRI80=4424

System Lm/w:
2700K: CRI95=60 CRI90=63 CRI80=81
3000K: CRI95=68 CRI90=73 CRI80=86
4000K: CRI95=75 CRI90=83 CRI80=91
5000K: CRI80=94

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 350° rotate/180° vertical

Input Voltage:
Non-dimmable
100-130V 50/60Hz;220-240V 50/60Hz

L3TB512

43W 3 wire Single Circuit Spot Light with built-in driver

L4TB512

43W 3-phase Spot Light with built-in driver

LTC512

43W Surface Mounted Spot Light with built-in driver

LTB515

77W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 77W

LED Lumen:
2700K: CRI80=7009
3000K: CRI80=7340 CRI70=7853
4000K: CRI80=7682 CRI70=8220
5000K: CRI70=7832 CRI70=8320

System Power: 80W

System Lumen:
2700K: CRI80=5968
3000K: CRI80=6244 CRI70=6675
4000K: CRI80=6530 CRI70=6987
5000K: CRI70=6667 CRI70=7072

System Lm/w:
2700K: CRI80=73
3000K: CRI80=75 CRI70=82
4000K: CRI80=80 CRI70=85
5000K: CRI80=82 CRI70=86

Beam Angle: 18°/30°/42°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable
100-130V 50/60Hz;220-240V 50/60Hz

L3TB515

77W 3 wire Single Circuit Spot Light with built-in driver

L4TB515

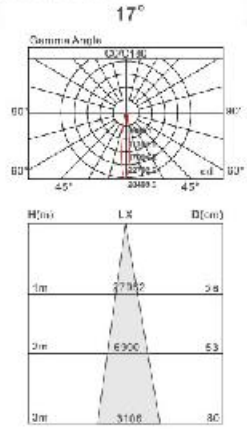
77W 3-phase Spot Light with built-in driver

LTC515

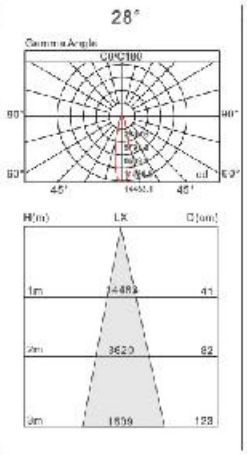
77W Surface Mounted Spot Light with built-in driver

3000K CRI90

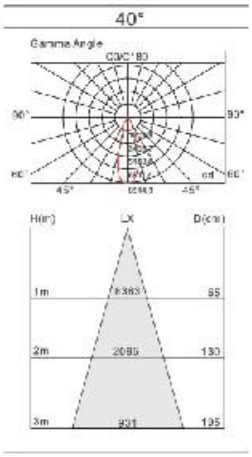
17°



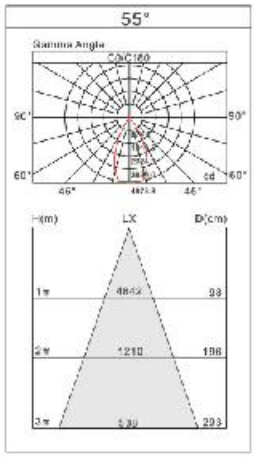
28°



40°

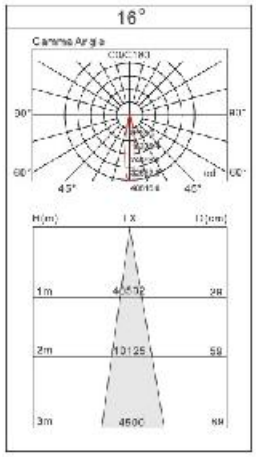


55°

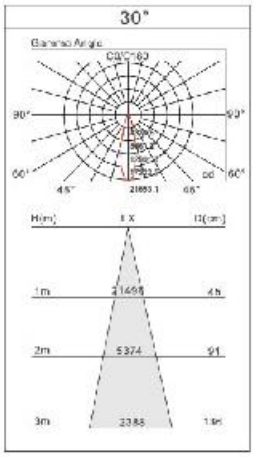


3000K CRI80

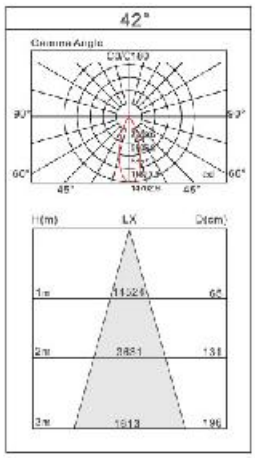
16°



30°



42°



LTB521

33W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2922
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

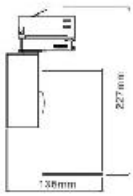
System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=81
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

Beam Angle : 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz



L3TB521

33W 3 wire Single Circuit Spot Light with built-in driver

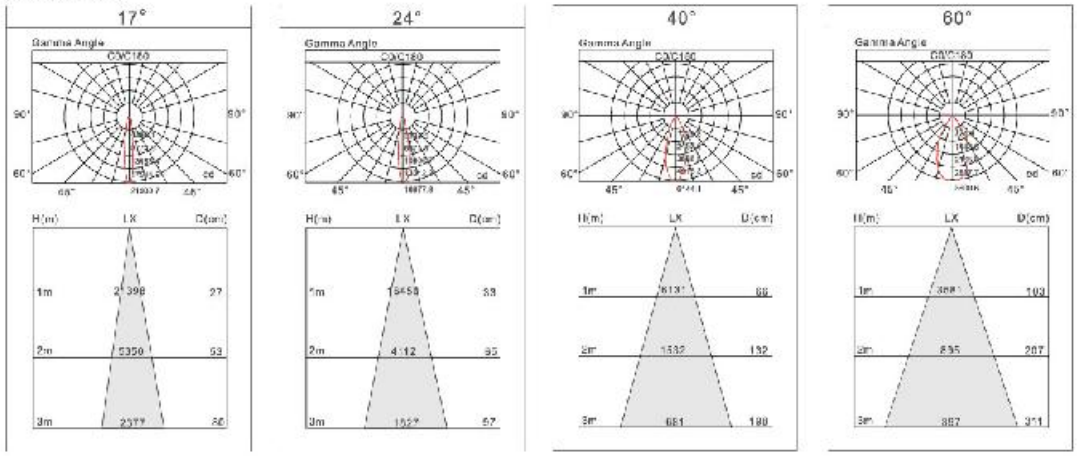
L4TB521

33W 3-phase Spot Light with built-in driver

LTC521

33W Surface Mounted Spot Light with built-in driver

3000K CRI90




RO

LTB522

33W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2013 CRI90=2116 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2922
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=81
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TB522

33W 3 wire Single Circuit Spot Light with built-in driver

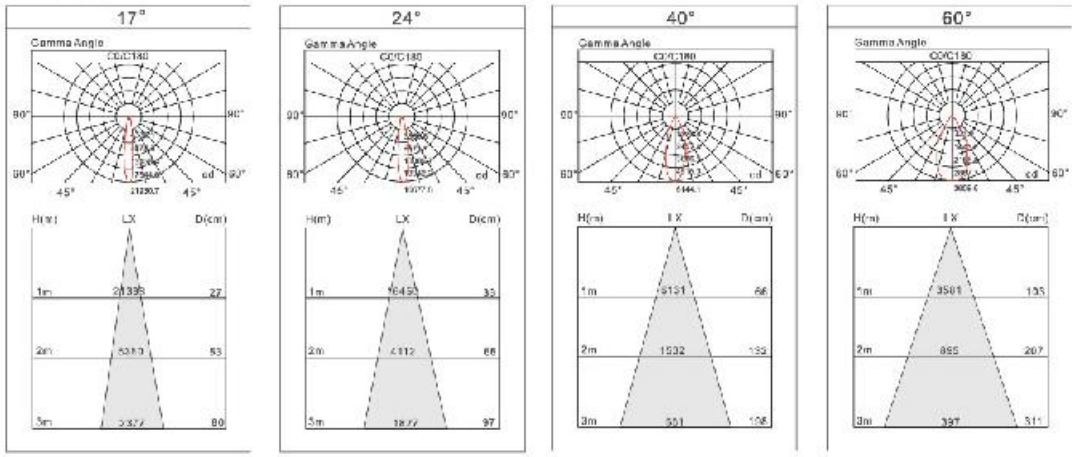
L4TB522

33W 3-phase Spot Light with built-in driver

LTC522

33W Surface Mounted Spot Light with built-in driver

3000K CRI90

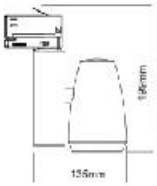

17°
24°
40°
60°
Gamma Angle
C0/C180
90°
45°
cd
H(m)
LX
D(cm)
1m
2m
3m
27
53
80
33
66
97
66
133
199
105
207
311


Rio


Rio

LTB410

13W 2 wire Single Circuit Spot Light with built-in driver



LED Power:13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 14W

System Lumen:
2700K: CRI95=737 CRI90=783 CRI80=1002
3000K: CRI95=838 CRI90=901 CRI80=1065
4000K: CRI90=979 CRI80=1139
5000K: CRI90=989 CRI80=1148

System Lm/w:
2700K: CRI95=53 CRI90=56 CRI80=72
3000K: CRI95=60 CRI90=64 CRI80=76
4000K: CRI90=70 CRI80=81
5000K: CRI90=71 CRI80=82

Beam Angle:17°/24°/40°

Material: metal body and trim

Tilting Angle: 350° rotate 60° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TB410

13W 3 wire Single Circuit Spot Light with built-in driver

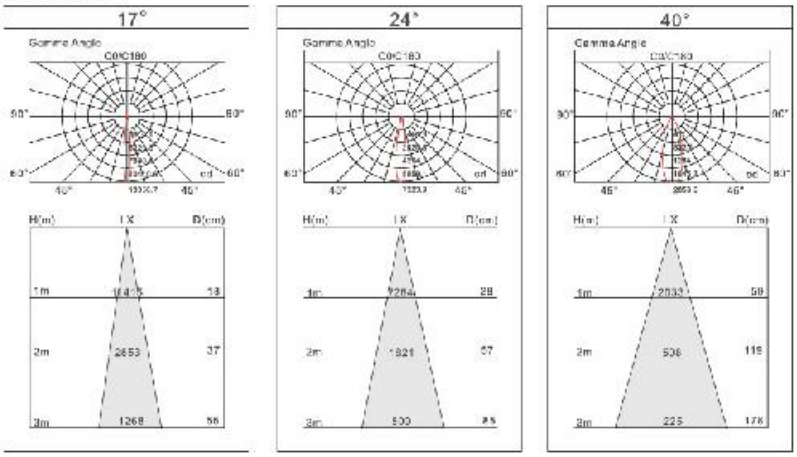
L4TB410

13W 3-phase Spot Light with built-in driver

LTC410

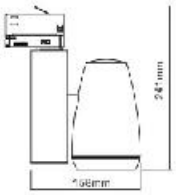
13W Surface Mounted Spot Light with built-in driver

3000K CRI90



LTB413

26W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 28W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2638
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 28W

System Lumen:
2700K: CRI95=1738 CRI90=1826 CRI80=2374
3000K: CRI95=1986 CRI90=2152 CRI80=2506
4000K: CRI95=2118 CRI90=2283 CRI80=2687
5000K: CRI80=2732

System Lm/w:
2700K: CRI95=62 CRI90=65 CRI80=85
3000K: CRI95=71 CRI90=77 CRI80=90
4000K: CRI95=76 CRI90=82 CRI80=96
5000K: CRI80=98

Beam Angle : 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TB413

26W 3 wire Single Circuit Spot Light with built-in driver

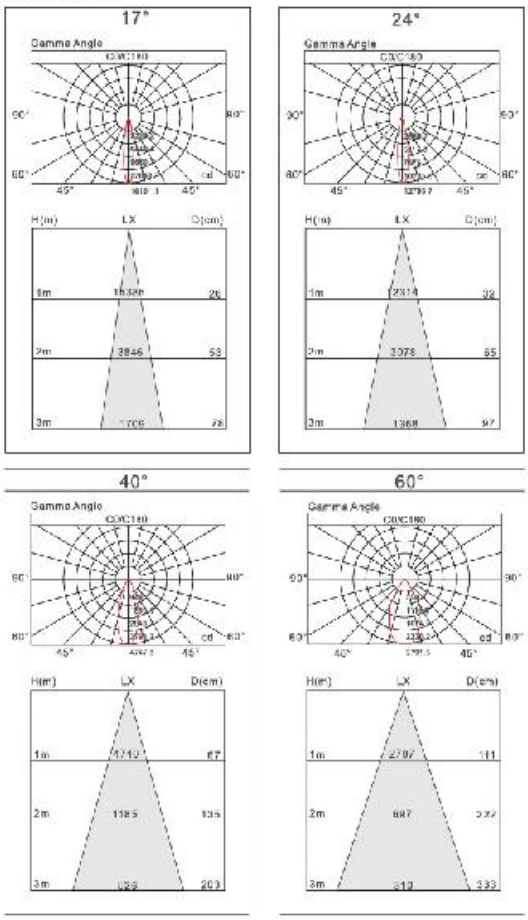
L4TB413

26W 3-phase Spot Light with built-in driver

LTC413

26W Surface Mounted Spot Light with built-in driver

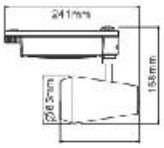
3000K CRI90




EXIT

LTN410

13W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 14W

System Lumen:
2700K: CRI95=737 CRI90=783 CRI80=1002
3000K: CRI95=838 CRI90=901 CRI80=1065
4000K: CRI90=979 CRI80=1139
5000K: CRI90=989 CRI80=1148

System Lm/w:
2700K: CRI95=53 CRI90=56 CRI80=72
3000K: CRI95=60 CRI90=64 CRI80=76
4000K: CRI90=70 CRI80=81
5000K: CRI90=71 CRI80=82

Beam Angle: 17°/24°/40°

Material: Aluminium

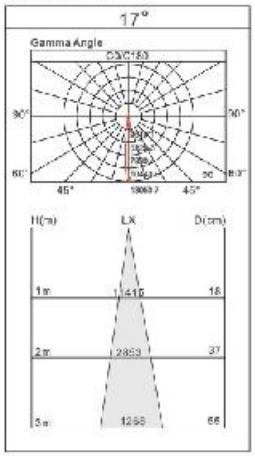
Tilting Angle: 350 ° rotate 60 ° vertical

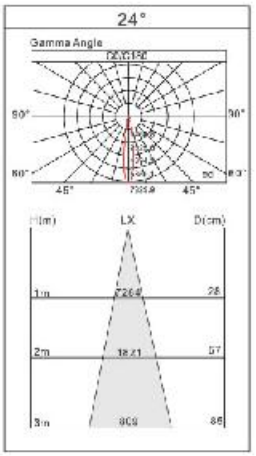
Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

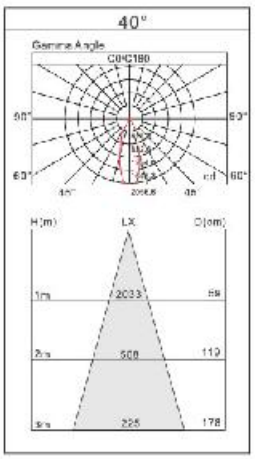
L4TN410

13W 3-phase Spot Light with built-in driver

3000K CRI90

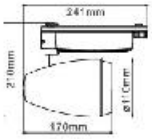






LTN413

26W 2 wire Single Circuit Spot Light with built-in driver



LED Power:26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2638
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 28W

System Lumen:
2700K: CRI95=1738 CRI90=1828 CRI80=2374
3000K: CRI95=1986 CRI90=2162 CRI80=2506
4000K: CRI95=2118 CRI90=2283 CRI80=2687
5000K: CRI80=2732

System Lm/w:
2700K: CRI95=62 CRI90=65 CRI80=85
3000K: CRI95=71 CRI90=77 CRI80=90
4000K: CRI95=76 CRI90=82 CRI80=96
5000K: CRI80=98

Beam Angle : 17°/24°/40°/60°

Material: Aluminium

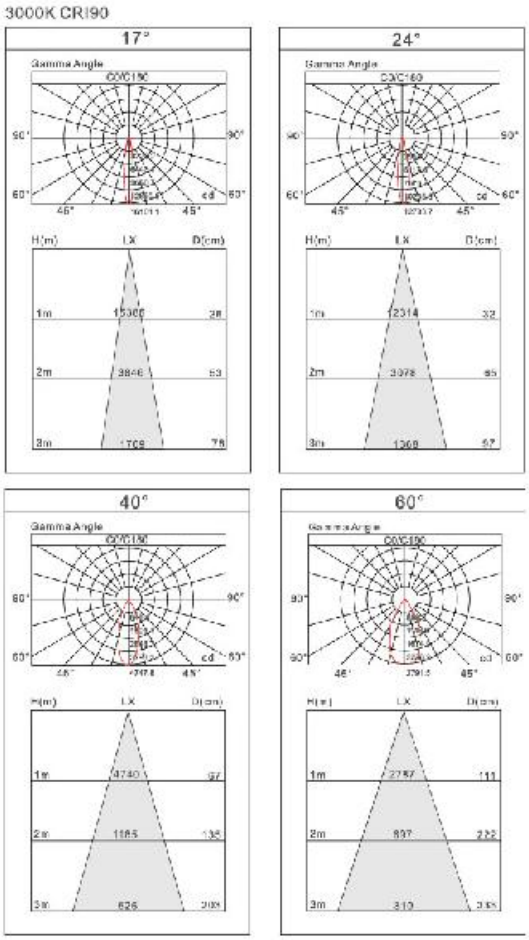
Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L4TN413

26W 3-phase Spot Light with built-in driver

3000K CRI90



Vivid White

3000K

Ra 80 / 95

GAI 105 / 120

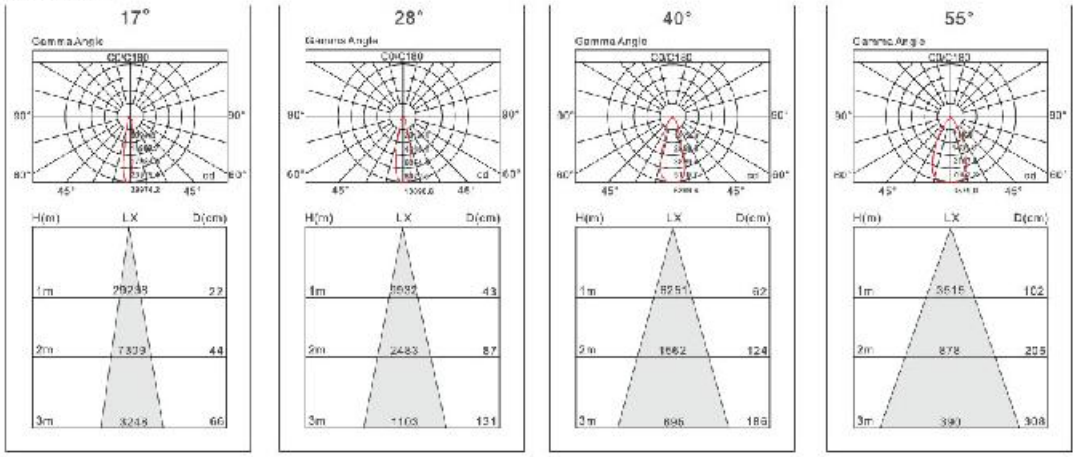
Optimized for transforming HQI application

Enhances the level of vividness without appearing un-natural

Shopping mall ideas look so bright with maximum lighting from the sunlight durin day through the glass, supported by simple ceiling lighting ideas installed in simple arrangements on the ceilings, it's not just giving a lights but also look like become a simple white lighting vector art decoration on the ceiling of general area . Also ins decorative recessed lighting fixtures to add more cozy and brighter reception de Recessed lighting is the main lighting fixtures in the interior area to form such a pa the ceilings as a guide line from the lobby area to another area.

Fashion store is equipped with maximum lighting system installed in almost every c of the shop area. The main source lighting, relying track lighting with adjustable spot actually dominated store area. Each beam is directed on the products being sold, to a more detailed impression of value possessed. In addition, pendant lighting instal strategic areas make the product look more distinctive appearance. Adjustable spot makes the fashion stores atmosphere look more dynamic and modern. The advan are direction light can be altered as a stage show where you are the main stars.

3000K CRI90



LTU201

33W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2868 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2154 CRI90=2266 CRI80=2937
3000K: CRI95=2461 CRI90=2654 CRI80=3105
4000K: CRI95=2610 CRI90=2815 CRI80=3329
5000K: CRI80=3385

System Lm/W:
2700K: CRI95=60 CRI90=63 CRI80=82
3000K: CRI95=68 CRI90=74 CRI80=86
4000K: CRI95=73 CRI90=61 CRI80=92
5000K: CRI80=94

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 350° rotate/180° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3TU201

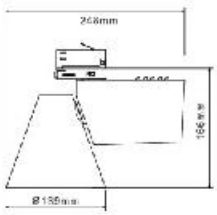
33W 3 wire Single Circuit Spot Light with buit-in driver

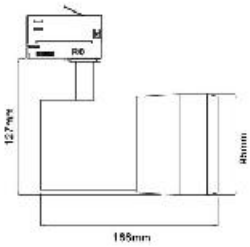
L4TU201

33W 3-phase Spot Light with built-in driver

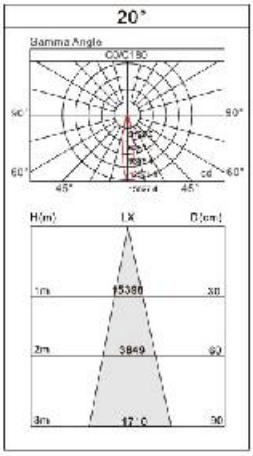
LTUC201

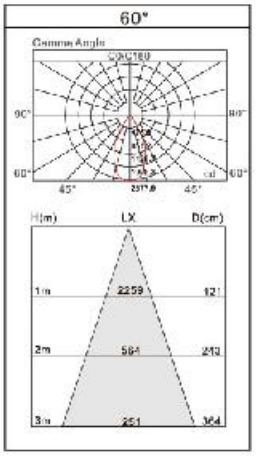
33W Surface Mounted Spot Light with built-in driver





3000K CRI90





L2T519

33W 2 wire Single Circuit Spot Light with built-in driver
LED Power:33W

LED Lumen:
2700K:CRI95=2341 CRI90=2463 CRI80=3192
3000K:CRI95=2675 CRI90=2888 CRI80=3375
4000K:CRI95=2838 CRI90=3060 CRI80=3618
5000K:CRI80=3679

System Power:35W
System Lumen:
2700K:CRI95=1873 CRI90=1970 CRI80=2554
3000K:CRI95=2140 CRI90=2317 CRI80=2700
4000K:CRI95=2270 CRI90=2448 CRI80=2894
5000K:CRI80=2943

System Lm/w:
2700K:CRI95=54 CRI90=56 CRI80=73
3000K:CRI95=61 CRI90=66 CRI80=77
4000K:CRI95=65 CRI90=70 CRI80=83
5000K:CRI80=84

Beam Angle :20°-60°
Material: Aluminium
Tilting Angle: 350 ° rotate 60 ° vertical
Input Voltage: Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T519

33W 3 wire Single Circuit Spot Light with built-in driver

L4T519

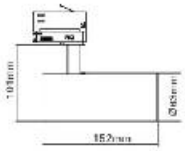
33W 3-phase Spot Light with built-in driver

LTC519

33W Surface Mounted Spot Light with built-in driver


Kleins


RiO®



L2T705

13W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=60 CRI80=76
5000K: CRI90=67 CRI80=77

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350 ° rotate 60 ° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T705

13W 3 wire Single Circuit Spot Light with built-in driver

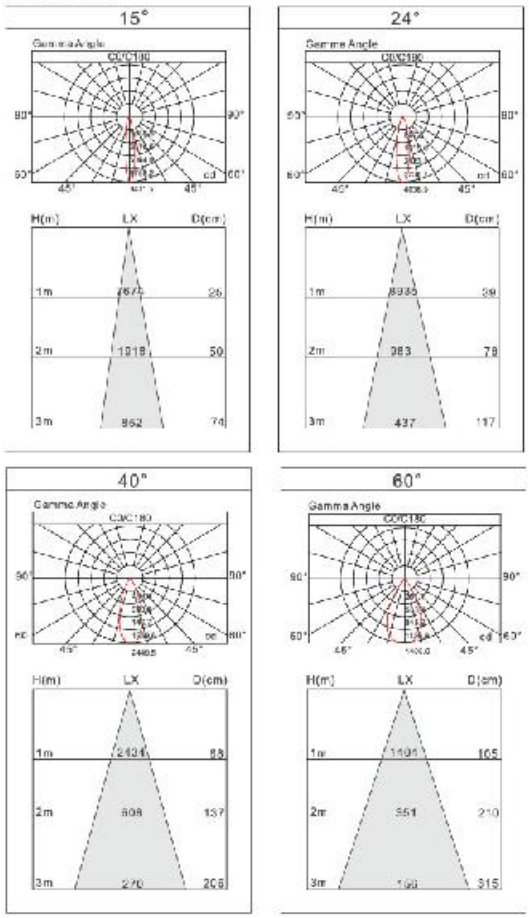
L4T705

13W 3-phase Spot Light with built-in driver

LTC705

13W Surface Mounted Spot Light with built-in driver

3000K CRI90

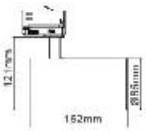



NYX
PROFESSIONAL MAKEUP
NYX
NYX
$99
$199
$275

L2T706

26W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 26W



LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2638
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 28W

System Lumen:
2700K: CRI95=1699 CRI90=1787 CRI80=2321
3000K: CRI95=1942 CRI90=2086 CRI80=2450
4000K: CRI95=2071 CRI90=2233 CRI80=2627
5000K: CRI80=2671

System Lm/w:
2700K: CRI95=61 CRI90=64 CRI80=83
3000K: CRI95=69 CRI90=75 CRI80=88
4000K: CRI95=74 CRI90=80 CRI80=94
5000K: CRI80=95

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 360°rotate/90°vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T706

26W 3 wire Single Circuit Spot Light with built-in driver

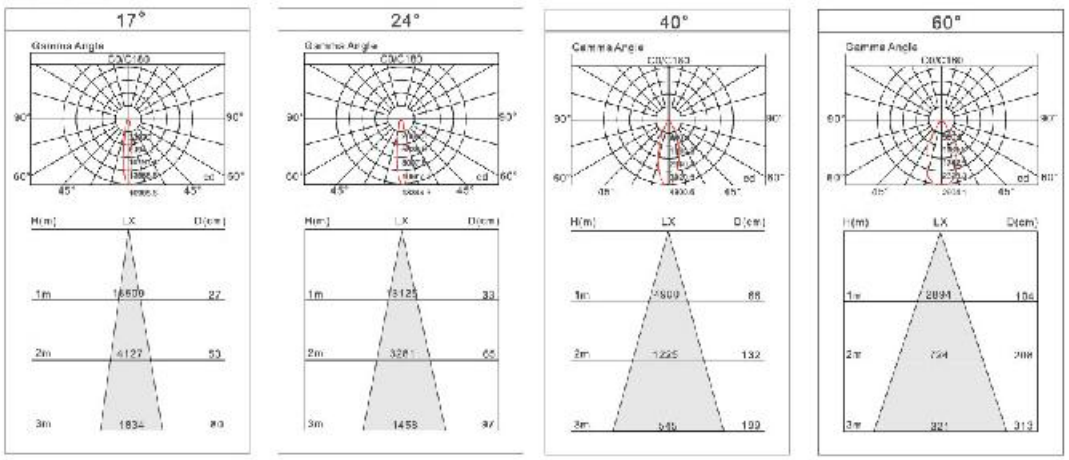
L4T706

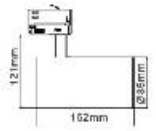
26W 3-phase Spot Light with built-in driver

LTC706

26W Surface Mounted Spot Light with built-in driver

3000K CRI90





L2T707

33W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3879

System Power: 36W

System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2922
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=81
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350°rotate/90°vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T707

33W 3 wire Single Circuit Spot Light with built-in driver

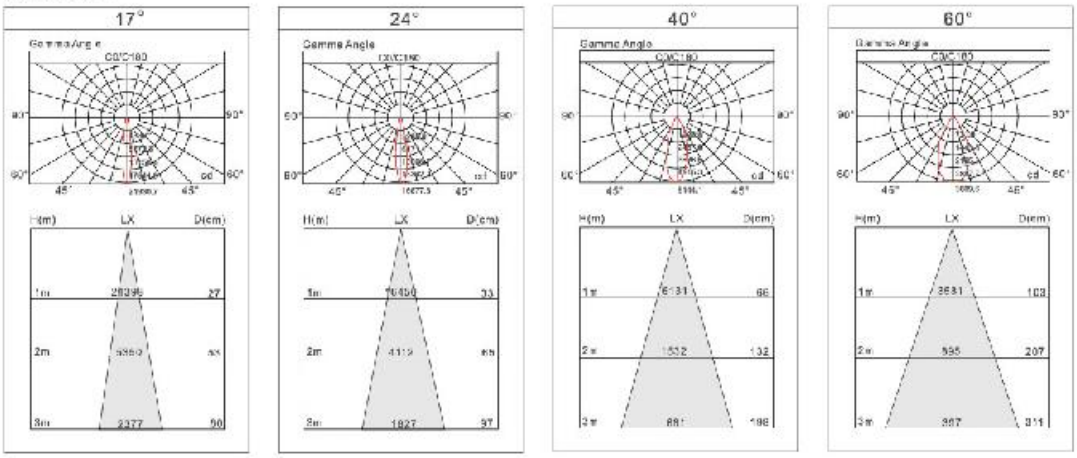
L4T707

33W 3-phase Spot Light with built-in driver

LTC707

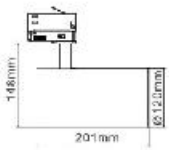
33W Surface Mounted Spot Light with built-in driver

3000K CRI90



L2T709

43W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4267
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:
2700K: CRI95=2820 CRI90=2995 CRI80=3831
3000K: CRI95=3204 CRI90=3448 CRI80=4075
4000K: CRI95=3553 CRI90=3919 CRI80=4318
5000K: CRI80=4424

System Lm/w:
2700K: CRI95=80 CRI90=63 CRI80=81
3000K: CRI95=68 CRI90=73 CRI80=86
4000K: CRI95=75 CRI90=83 CRI80=91
5000K: CRI80=94

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 350° rotate/180° vertical

Input Voltage:
Non-dimmable
100-130V 50/60Hz;220-240V 50/60Hz

L3T709

43W 3 wire Single Circuit Spot Light with built-in driver

L4T709

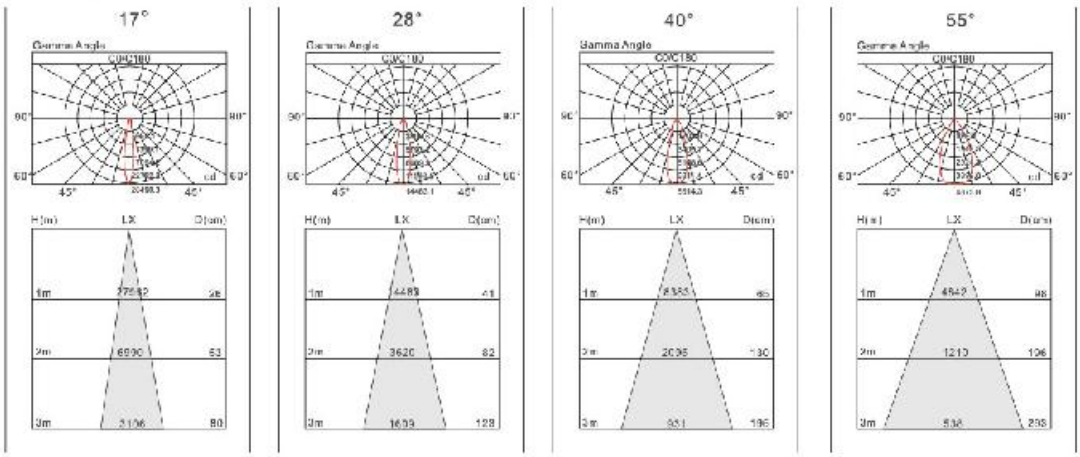
43W 3-phase Spot Light with built-in driver

LTC709

43W Surface Mounted Spot Light with built-in driver


STORM & MARIE × BATAVUS

3000K CRI90


17°
28°
40°
55°
Gamma Angle
C0/C180
90°
60°
45°
H(m)
LX
D(cm)
1m
2m
3m

L2T607

26W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2638;
3000K: CRI95=2207 CRI90=2382 CRI80=2784;
4000K: CRI95=2353 CRI90=2537 CRI80=2985;
5000K: CRI80=3035

System Power: 28W

System Lumen:
2700K: CRI95=1487 CRI90=1564 CRI80=2031
3000K: CRI95=1701 CRI90=1834 CRI80=2144
4000K: CRI95=1811 CRI90=1853 CRI80=2298
5000K: CRI80=2339

System Lm/w:
2700K: CRI95=53 CRI90=56 CRI80=73
3000K: CRI95=61 CRI90=66 CRI80=77
4000K: CRI95=65 CRI90=70 CRI80=82
5000K: CRI80=84

Beam Angle: 34°/40°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T607

26W 3 Wire Single Circuit Spot Light with built-in driver

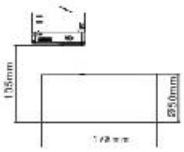
L4T607

26W 3-Phase Spot Light with built-in driver

LTC607

26W Surface Mounted Spot Light with built-in driver

33W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 37W

System Lumen:
2700K: CRI95=1845 CRI90=1941 CRI80=2515
3000K: CRI95=2108 CRI90=2276 CRI80=2660
4000K: CRI95=2236 CRI90=2411 CRI80=2851
5000K: CRI80=2899

System Lm/w:
2700K: CRI95=50 CRI90=52 CRI80=68
3000K: CRI95=57 CRI90=62 CRI80=72
4000K: CRI95=60 CRI90=65 CRI80=77
5000K: CRI80=78

Beam Angle: 34°/40°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T607

33W 3 Wire Single Circuit Spot Light with built-in driver

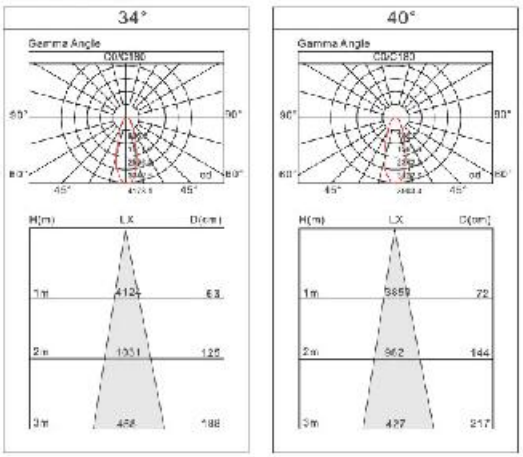
L4T607

33W 3-Phase Spot Light with built-in driver

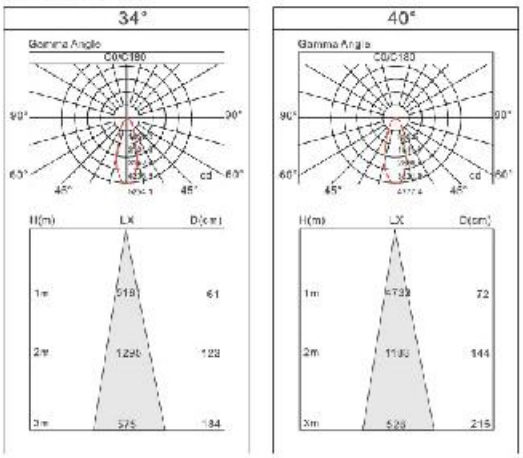
LTC607

33W Surface Mounted Spot Light with built-in driver

26W 3000K CRI95



33W 3000K CRI95

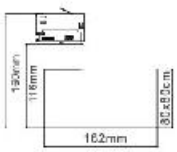



SK-II
R.N.A. POWER
SK-II
SK-II
BEST SELLERS
1 2 3 4 5
SK-II
SK-II MAGIC RING


SK-II
CHANGE DESTINY
SK-II
R.N.A. POWER
SK-II

L2T801

33W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2483 CRI80=3192
3000K: CRI95=2675 CRI90=2886 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2107 CRI90=2217 CRI80=2873
3000K: CRI95=2408 CRI90=2647 CRI80=3038
4000K: CRI95=2554 CRI90=2754 CRI80=3266
5000K: CRI80=3311

System Lm/W:
2700K: CRI95=58 CRI90=61 CRI80=80
3000K: CRI95=66 CRI90=73 CRI80=84
4000K: CRI95=70 CRI90=76 CRI80=90
5000K: CRI80=92

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350° rotate/90° vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T801

33W 3 wire Single Circuit Spot Light with built-in driver

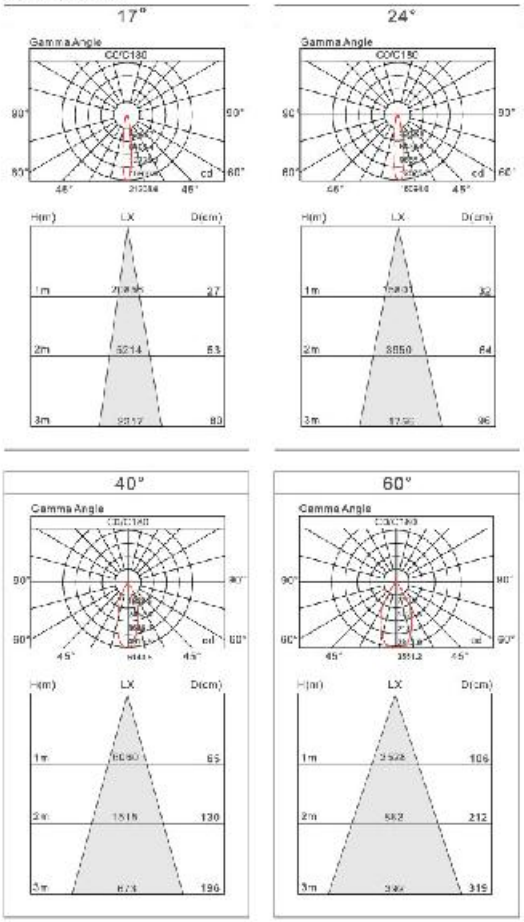
L4T801

33W 3-phase Spot Light with built-in driver

LTC801

33W Surface Mounted Spot Light with built-in driver

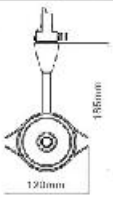
3000K CRI90




RiO®

L2T601

33W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=1943 CRI90=2044 CRI80=2649
3000K: CRI95=2220 CRI90=2408 CRI80=2801
4000K: CRI95=2356 CRI90=2540 CRI80=3003
5000K: CRI80=3054

System Lm/w:
2700K: CRI95=54 CRI90=57 CRI80=74
3000K: CRI95=62 CRI90=67 CRI80=78
4000K: CRI95=65 CRI90=71 CRI80=83
5000K: CRI80=85

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350°rotate/90°vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T601

33W 3 wire Single Circuit Spot Light with built-in driver

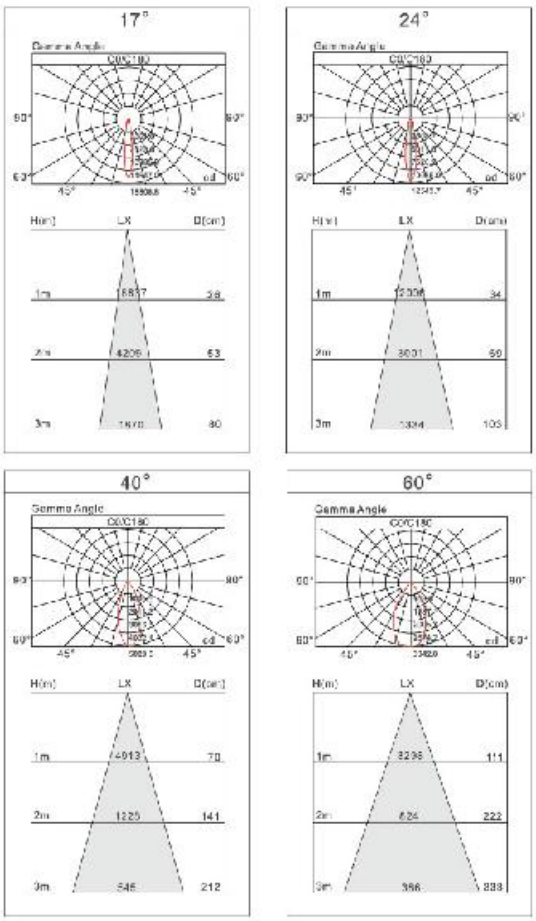
L4T601

33W 3-phase Spot Light with built-in driver

LTC601

33W Surface Mounted Spot Light with built-in driver

3000K CRI90



Michael was awarded the best Rookie of the year 2014 of the DTC and he ended up finishing the season in top 10. In 2015, he climbed up to no. 6 in just 12 months. Michael always try his best to being competitive and he is willing to learn and improve to be the leading player in his sports.

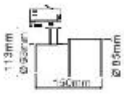
Michael Markussen

The best Rookie of Danish Thundersport Championship (DTC), 2014

Like Michael, RiO has never stopped striving for our best. We listen and absorb the market information and turn into new ideas which present in our products. Attribute to the RiO family all over the world, the dynamic exchange of ideas and knowledge fosters the product development and allow us to be one of the leading providers of the retail lighting industry.

L2T602

13W 2 wire Single Circuit Spot Light with built-in driver



LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

System Lumen:
2700K: CRI95=791 CRI90=840 CRI80=1075
3000K: CRI95=899 CRI90=967 CRI80=1143
4000K: CRI90=1050 CRI80=1222
5000K: CRI90=1061 CRI80=1231

System Lm/w:
2700K: CRI95=53 CRI90=56 CRI80=72
3000K: CRI95=60 CRI90=64 CRI80=76
4000K: CRI90=70 CRI80=81
5000K: CRI90=71 CRI80=82

Beam Angle: 17°/24°/40°

Material: Aluminium

Tilting Angle: 350 ° rotate 60 ° vertical

Input Voltage: Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T602

13W 3 wire Single Circuit Spot Light with built-in driver

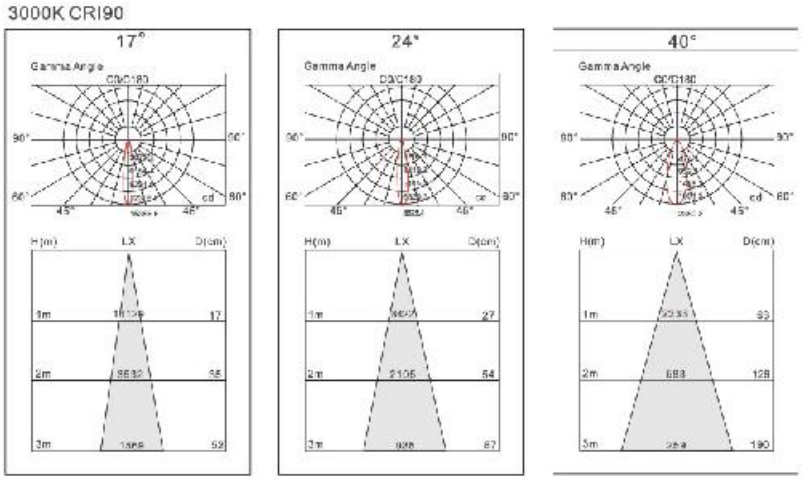
L4T602

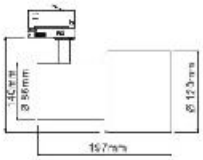
13W 3-phase Spot Light with built-in driver

LTC602

13W Surface Mounted Spot Light with built-in driver

3000K CRI90


17°
Gamma Angle
C0/C180
90°
90°
60°
60°
45°
45°
cd
H(m)
LX
D(cm)
1m
17
2m
8632
35
3m
52
24°
Gamma Angle
C0/C180
90°
90°
60°
60°
45°
45°
cd
H(m)
LX
D(cm)
1m
27
2m
2106
54
3m
87
40°
Gamma Angle
C0/C180
90°
90°
60°
60°
45°
45°
cd
H(m)
LX
D(cm)
1m
93
2m
128
3m
190



L2T603

33W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192;
3000K: CRI95=2675 CRI90=2888 CRI80=3375;
4000K: CRI95=2838 CRI90=3060 CRI80=3618;
5000K: CRI80=3679

System Power: 38W

System Lumen:
2700K: CRI95=2154 CRI90=2266 CRI80=2937
3000K: CRI95=2461 CRI90=2654 CRI80=3105
4000K: CRI95=2610 CRI90=2815 CRI80=3329
5000K: CRI80=3385

System Lm/w:
2700K: CRI95=60 CRI90=63 CRI80=82
3000K: CRI95=68 CRI90=74 CRI80=86
4000K: CRI95=73 CRI90=61 CRI80=92
5000K: CRI80=94

Beam Angle : 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 350° rotate/180° vertical

L3T603

33W 3 wire Single Circuit Spot Light with built-in driver

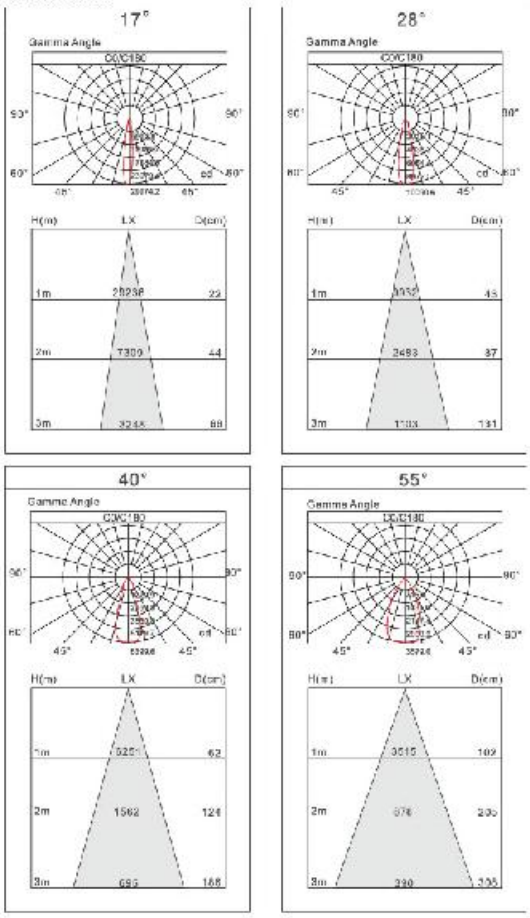
L4T603

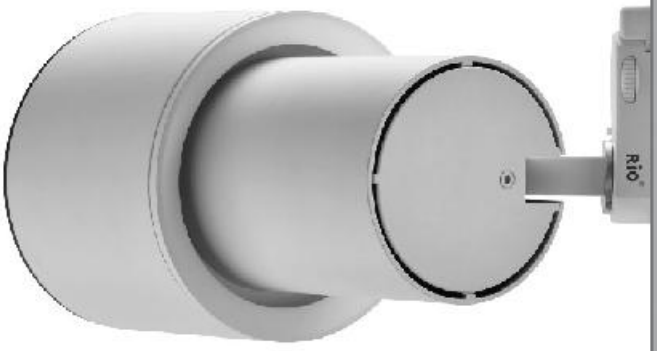
33W 3-phase Spot Light with built-in driver

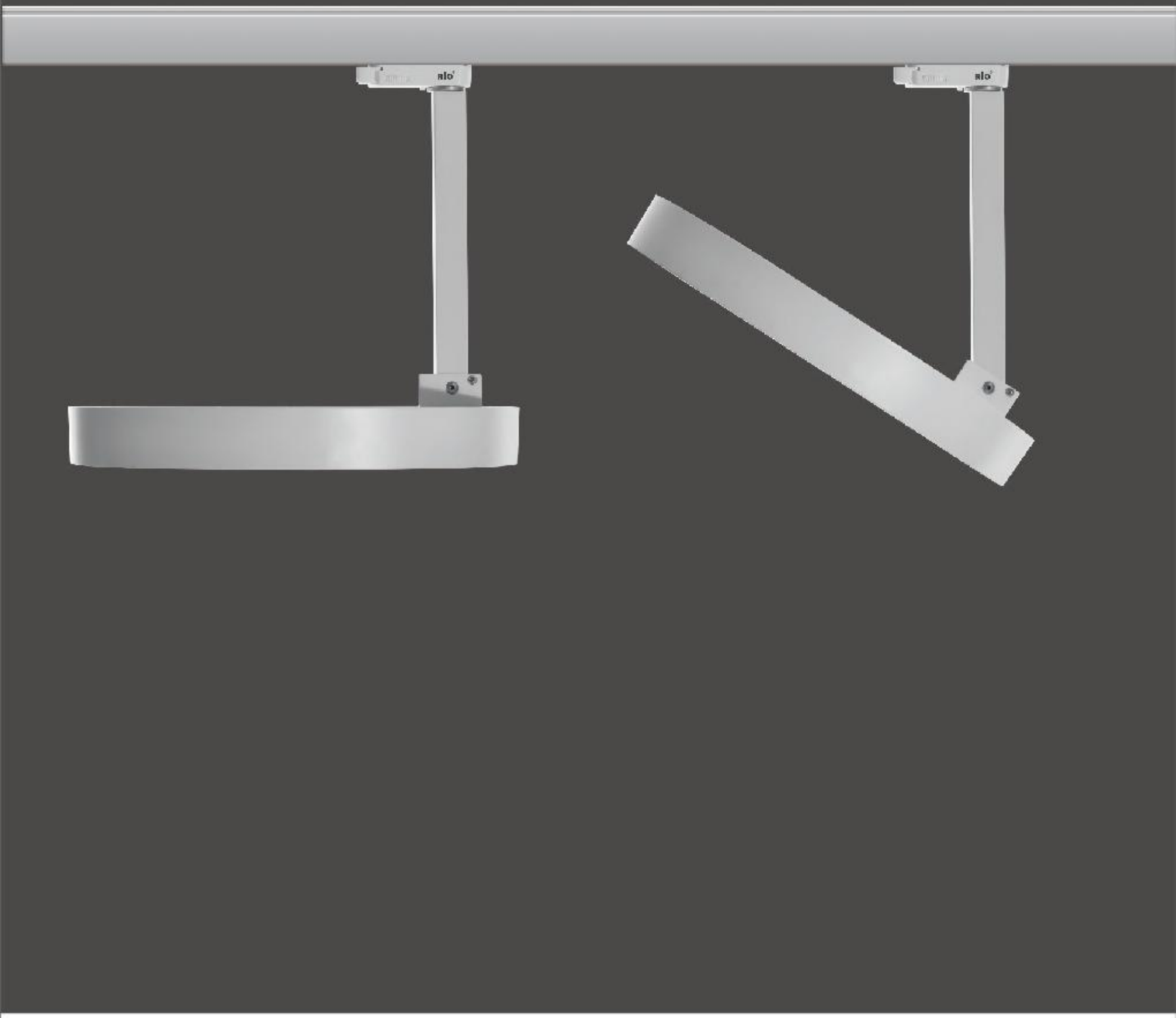
LTC603

33W Surface Mounted Spot Light with built-in driver

3000K CRI90


17°
Gamma Angle
C0/C180
H(m)
LX
D(cm)
1m
2m
3m
28°
Gamma Angle
C0/C180
H(m)
LX
D(cm)
1m
2m
3m
40°
Gamma Angle
C0/C180
H(m)
LX
D(cm)
1m
2m
3m
55°
Gamma Angle
C0/C180
H(m)
LX
D(cm)
1m
2m
3m





L4T605

27W 2 wire Single Circuit Spot Light

LED Power: 27W

LED Lumen:
3000K: CRI90=2534 CRI80=2880
4000K: CRI80=3168

System Power: 27W

System Lumen:
3000K: CRI90=1625 CRI80=1847
4000K: CRI80=2031.7

System Lm/w:
3000K: CRI90=60 CRI80=68
4000K: CRI80=74

Beam Angle: 90°

Material: Aluminium

Input Voltage:
Non-dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

L3T605

27W 3 wire Single Circuit Spot Light

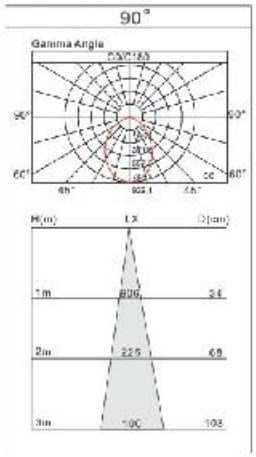
L4T605

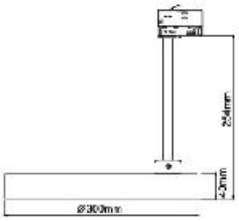
27W 3-phase Spot Light

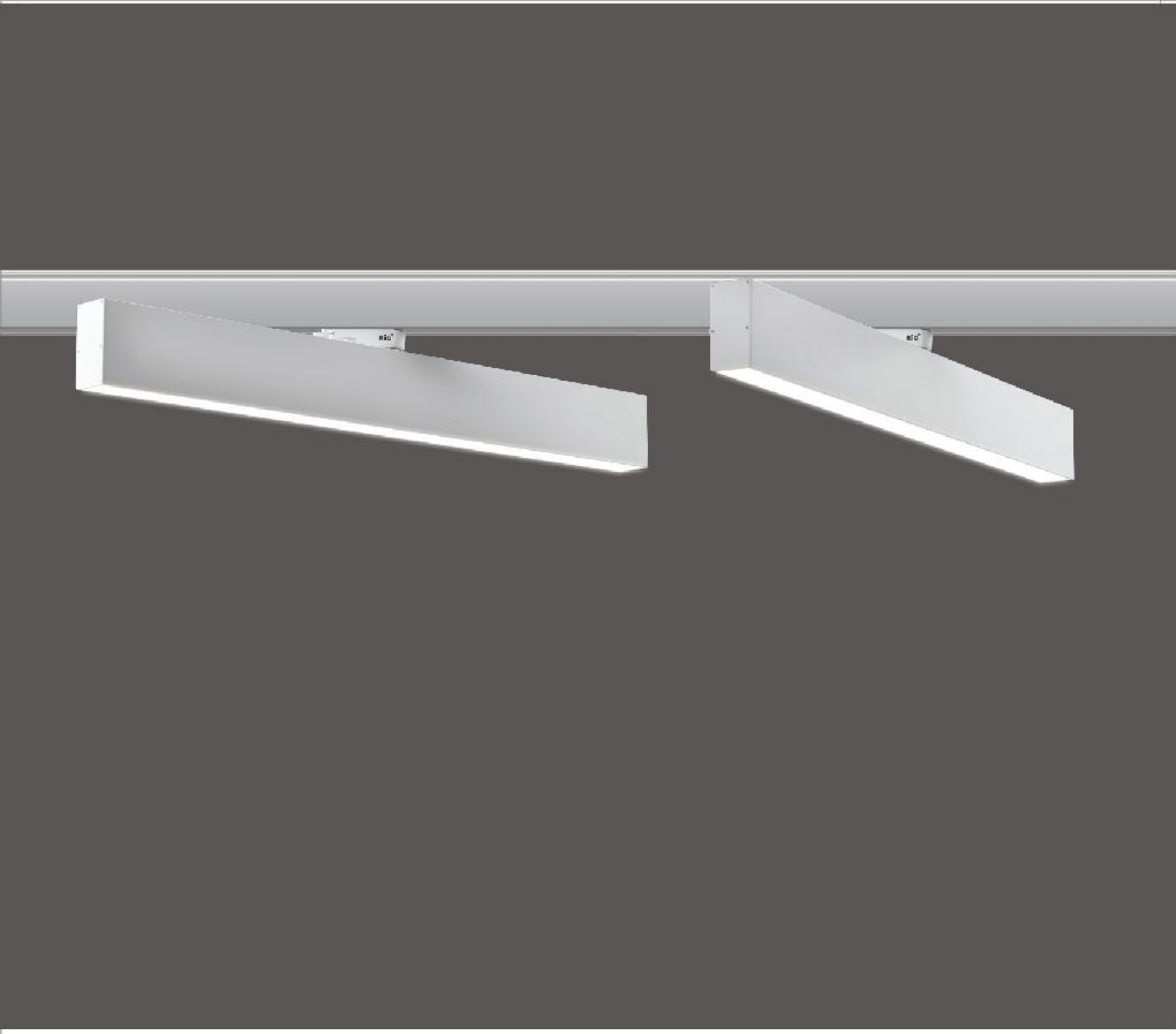
LTC605

27W Surface Mounted Spot Light

3000K CRI80




254mm
42mm
Ø300mm



L4T606

27W 2 wire Single Circuit Spot Light with built-in driver

LED Power: 27W

LED Lumen:
3000K: CRI90= 2534 CRI80=2880
4000K: CRI80= 3188

System Lumen:
3000K: CRI90=1900 CRI80=2160
4000K: CRI80=2376

System Lm/w:
3000K: CRI90= 73 CRI80=80
4000K: CRI80= 88

Beam Angle: 95°

Material: Aluminium
Rotate Angle: 30°

Input Voltage: Non-dimmable 100-240V 50/60Hz

L3T606

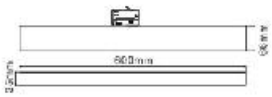
27W 3 wire Single Circuit Spot Light with built-in driver

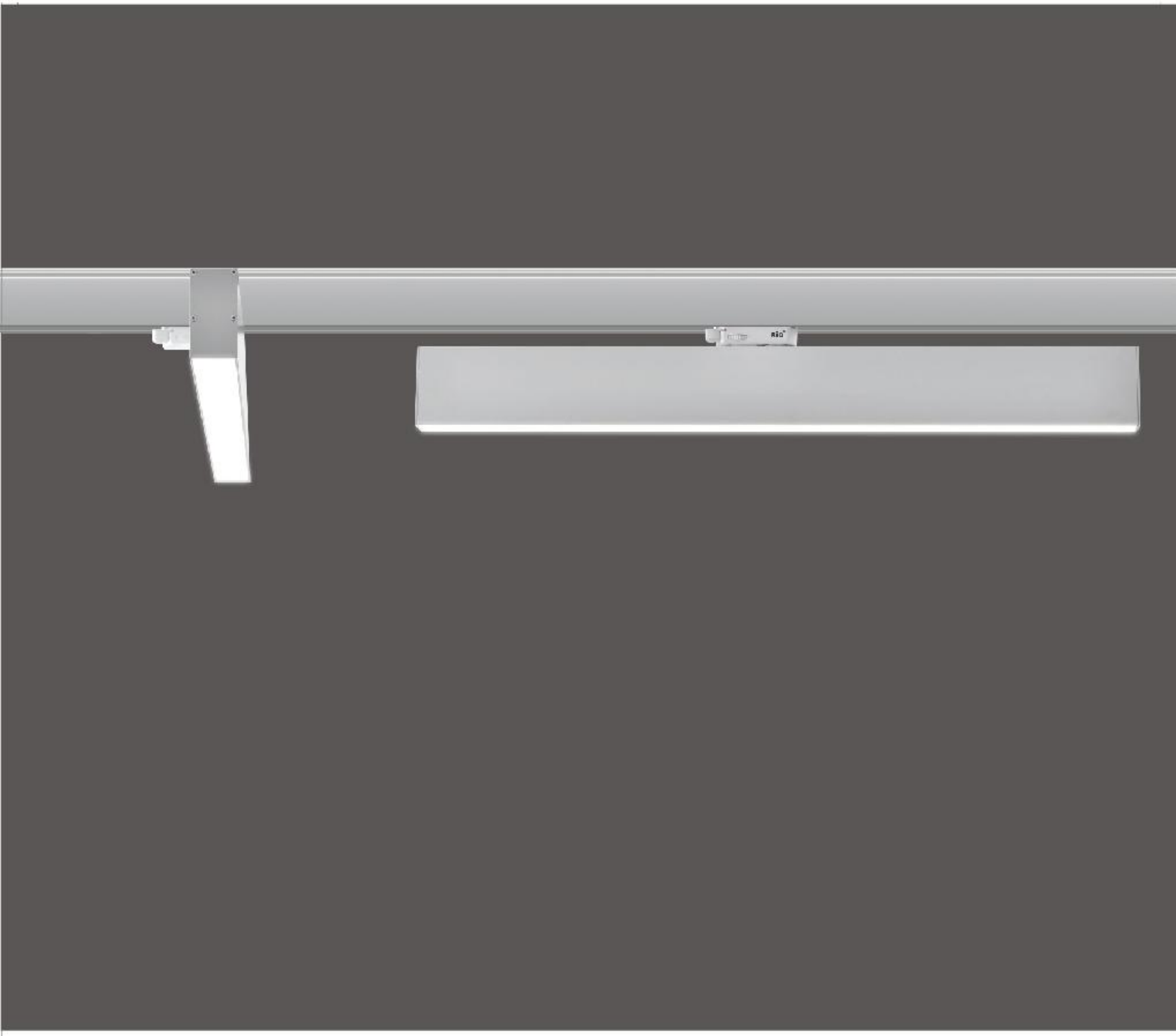
L4T606

27W 3-phase Spot Light with built-in driver

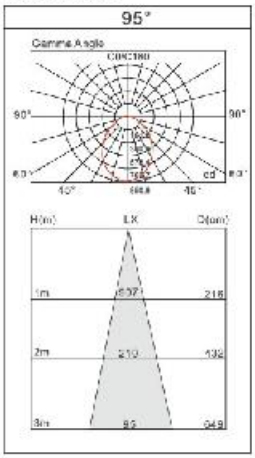
LTC606

27W Surface Mounted Spot Light with built-in driver





3000K CRI80

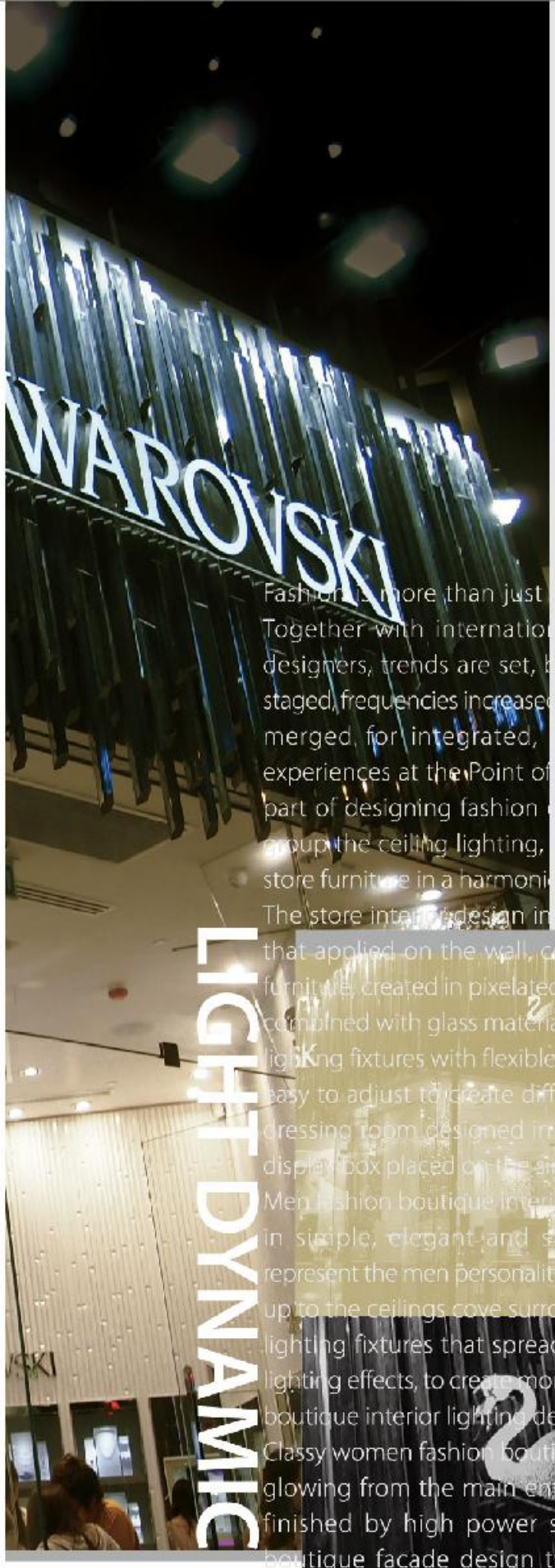



OVSK

Jewellery Lighting

Optimized for diamonds,crystals and silverwares

Creates an impressive sparkle



LIGHT DYNAMIC

Fashion is more than just
Together with internatio
designers, trends are set, b
staged, frequencies increase
merged, for integrated,
experiences at the Point of
part of designing fashion
group the ceiling lighting,
store furniture in a harmoni
The store interior design in
that applied on the wall, ceiling even on the
furniture created in pixelated wood mosaic that
combined with glass materials. Dynamic ceiling
lighting fixtures with flexible lights pole make it
easy to adjust to create different effects. Steel
dressing room designed in harmony with the
display box placed on the side of the store.
Men fashion boutique interior design establish
in simple, elegant and strong, radiance for
represent the men personality should be. To raise
up to the ceilings cove surrounded by modern
lighting fixtures that spread dramatic circular
lighting effects, to create more cool men fashion
boutique interior lighting design.

Classy women fashion boutique interior design
glowing from the main entrance door which
finished by high power spotlight. Elegant
boutique facade design two glass window
flanked the entrance door and all of it framed by
wooden and covered by dark wood pattern,
display table placed at the lower side of the
window to let maximum expose of the boutique
interior and of course the fashion product
displayed.

4000K
Ra 95
R9 >90
GAI 100

3000K
Ra 95
R9 >90
GAI 100

LED Spot Light Accessories


L4T706


L4T707


L4TB01


L4TB02


L4TB511


L4TB521


L4TB522

Louver

Barn door

Honeycomb

Cut-off Tube

Cut-off Tube

Wall-washer Tube

Color Filter(CCT)

3000k → 4000k

3000k → 2700k

3000k → 2400k

Diffuser

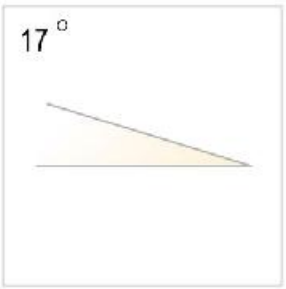
Frosted Glass

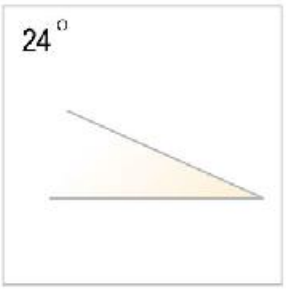
Clear Glass

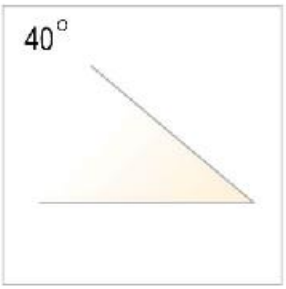
Elliptic Light Diffuser

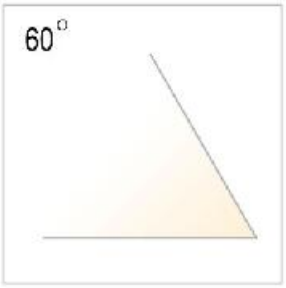
Linear Light Diffuser

Reflector









LED
DOWNLIGHTS

LIGHT DYNAMIC

Fashion is more than just classic shopfitting. Together with international architects and designers, trends are set, brand personalities staged, frequencies increased and sales channels merged for integrated, innovative brand experiences at the Point of Sale. The inspiring part of designing fashion clothing store is to group the ceiling lighting, dressing room and store furniture in a harmonic way.

The store interior design in wood combination that applied on the wall, ceiling even on the furniture, created in pixelated wood mosaic that combined with glass material. Dynamic ceiling lighting fixtures with flexible lights pole make it easy to adjust to create different effects for dressing room design in harmony with the display [illegible] on the sidewalk of the store.

Men fashion [illegible] interior design, establish in simple, elegant and sifon [illegible] represent the men personality should be. To raise [illegible] ceiling cove surrounded by modern lighting fixture [illegible] dramatic circular lighting effects, to create more cool men fashion boutique interior lighting design.

Classy women fashion boutique interior design glowing from the main entrance door which finished by high power spotlight. Elegant boutique facade design two glass window flanked the entrance door and all of it framed by wooden and covered by dark wood pattern, display table placed at the lower side of the window to let maximum expose of the boutique interior and of course the [illegible] displayed.

Fashion store is equipped with maximum lighting system installed in almost every corner of the shop area. The main source lighting, relying track lighting with adjustable spotlights actually dominated store area. Each beam is directed on the products being sold, to give a more detailed impression of value possessed. In addition, pendant lighting installed in strategic areas make the product look more distinctive appearance. Adjustable spotlights, makes the fashion stores atmosphere look more dynamic and modern. The advantages are direction light can be altered as a stage show where you are the main stars.

LDL802

RIO Commercial Lighting Expert

LDL211

13W Adjustable Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

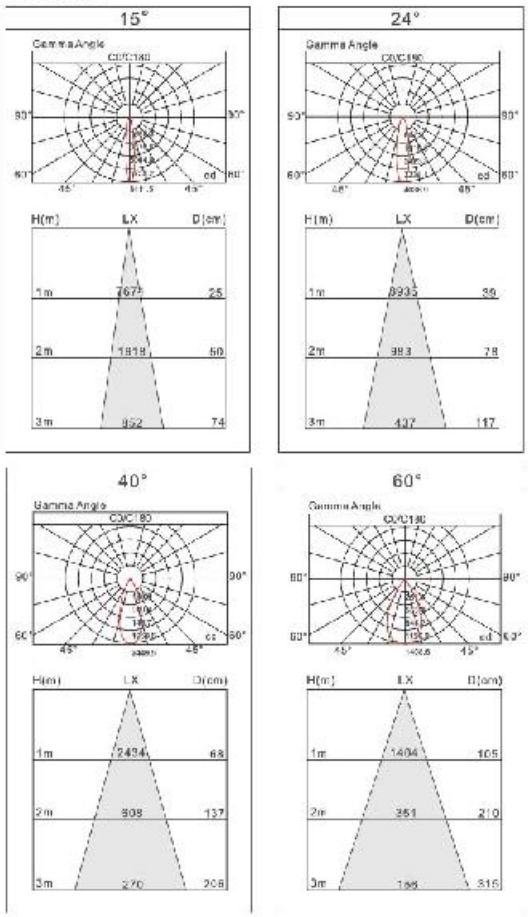
System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=66 CRI80=76
5000K: CRI90=67 CRI80=77

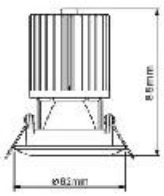
Beam Angle: 15°/24°/40°/60°

Material: Aluminium

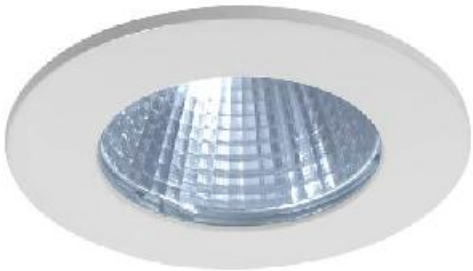
Tilting Angle: 30°

3000K CRI90





LDL217



13W LED Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=879 CRI80=1263
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

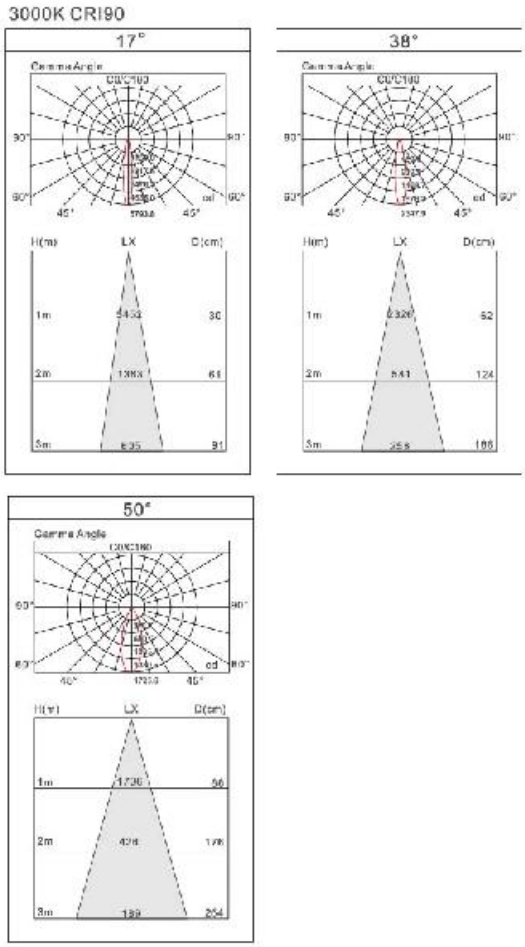
System Power: 14W

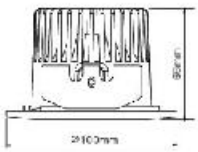
System Lumen:
2700K: CRI95=830 CRI90=881 CRI80=1128
3000K: CRI95=943 CRI90=1018 CRI80=1110
4000K: CRI90=1102 CRI80=1282
5000K: CRI90=1113 CRI80=1292

System Lm/w:
2700K: CRI95=58 CRI90=62 CRI80=79
3000K: CRI95=66 CRI90=72 CRI80=84
4000K: CRI90=78 CRI80=90
5000K: CRI90=77 CRI80=90

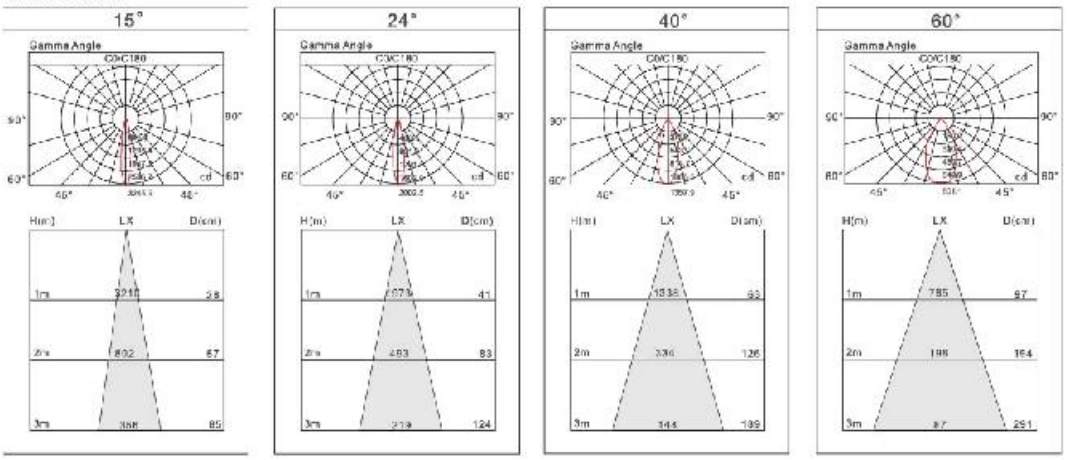
Beam Angle: 17°/38°/50°
Material: Aluminium

3000K CRI90





3000K CRI90



LDL319

9W Adjustable Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 10W

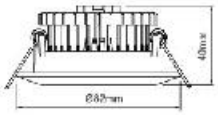
System Lumen:
2700K: CRI95=527 CRI90=567 CRI80=732
3000K: CRI95=607 CRI90=646 CRI80=765
4000K: CRI90=722 CRI80=824
5000K: CRI80=836

System Lm/w:
2700K: CRI95=52 CRI90=56 CRI80=73
3000K: CRI95=60 CRI90=64 CRI80=76
4000K: CRI90=73 CRI80=82
5000K: CRI80=83

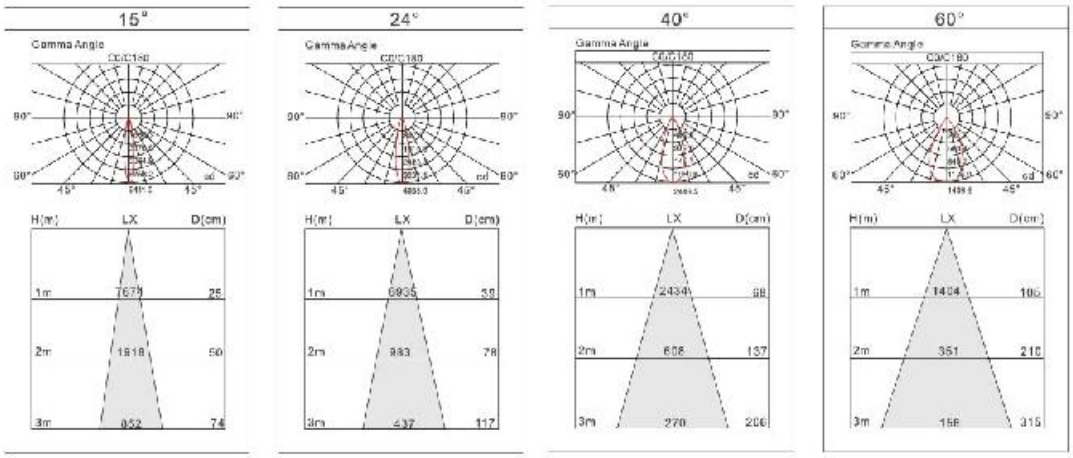
Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



3000K CRI90



LDL344

13W Adjustable Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1046 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

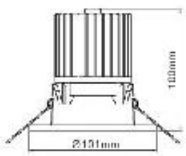
System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=66 CRI80=76
5000K: CRI90=67 CRI80=77

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDL369

13W Adjustable Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

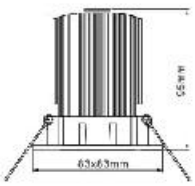
System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=66 CRI80=76
5000K: CRI90=67 CRI80=77

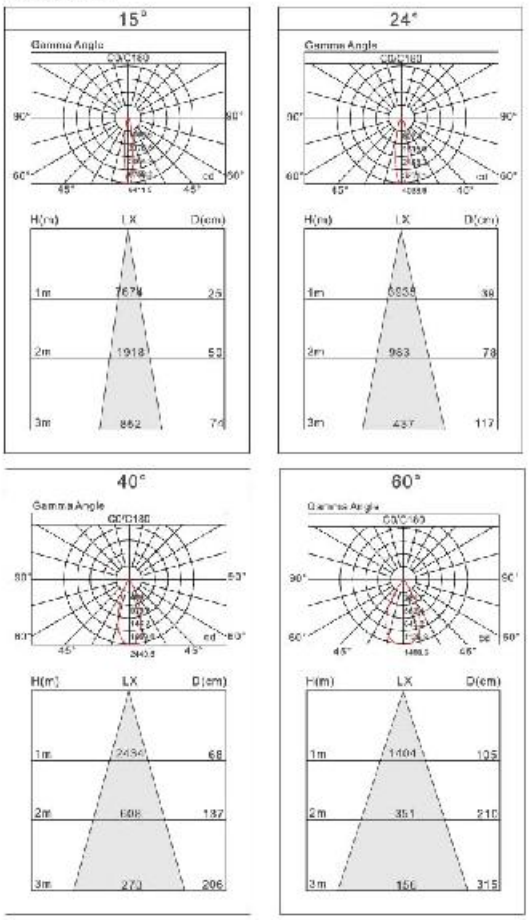
Beam Angle: 15°/24°/40°/60°

Material: Aluminium

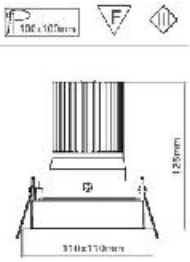
Tilting Angle: 30°



3000K CRI90



LDL313



13W Adjustable Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=965 CRI90=1015 CRI80=1304
3000K: CRI95=1078 CRI90=1166 CRI80=1379
4000K: CRI95=1175 CRI90=1270 CRI80=1467
5000K: CRI90=1260 CRI80=1492

System Power: 14W

System Lumen:
2700K: CRI95=777 CRI90=817 CRI80=1050
3000K: CRI95=868 CRI90=939 CRI80=1110
4000K: CRI95=946 CRI90=1022 CRI80=1181
5000K: CRI90=1014 CRI80=1201

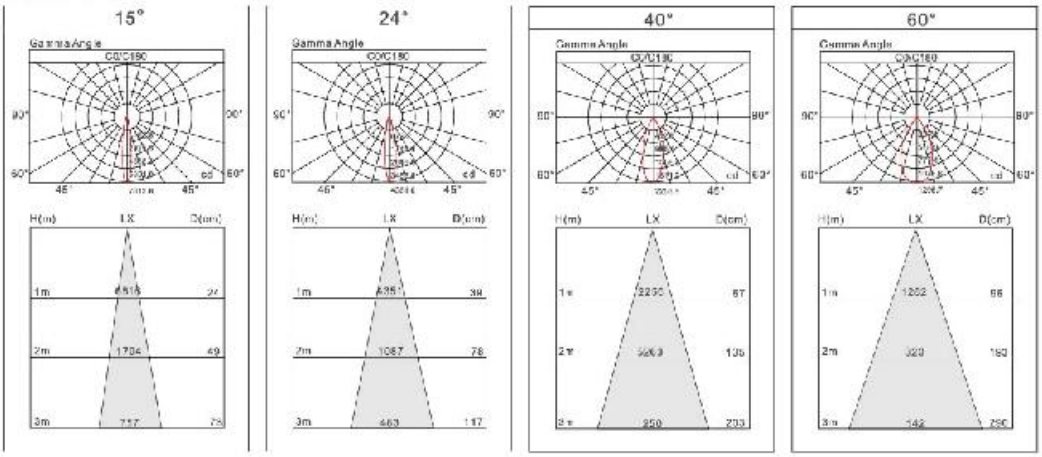
System Lm/W:
2700K: CRI95=56 CRI90=58 CRI80=75
3000K: CRI95=62 CRI90=67 CRI80=79
4000K: CRI95=68 CRI90=73 CRI80=84
5000K: CRI90=72 CRI80=88

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 350 ° rotate 30 ° vertical

3000K CRI90



LDL315

26W Adjustable Recessed Down Light

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2633
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 29W

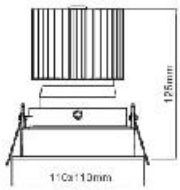
System Lumen:
2700K: CRI95=1468 CRI90=1544 CRI80=2001
3000K: CRI95=1677 CRI90=1820 CRI80=2116
4000K: CRI95=1788 CRI90=1928 CRI80=2267
5000K: CRI80=2306

System Lm/w:
2700K: CRI95=52 CRI90=54 CRI80=71
3000K: CRI95=59 CRI90=64 CRI80=75
4000K: CRI95=65 CRI90=70 CRI80=80
5000K: CRI80=82

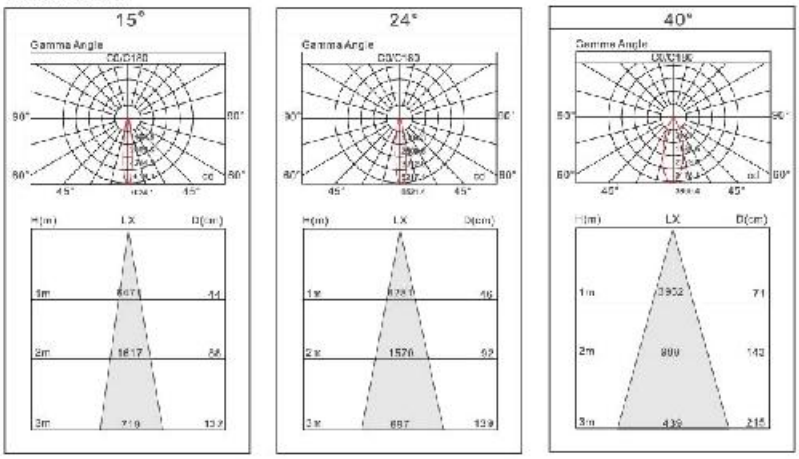
Beam Angle: 15°/24°/40°

Material: Aluminium

Tilting Angle: 350° rotate 30° vertical



3000K CRI90

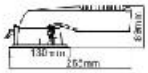



DISCOVER
CMR

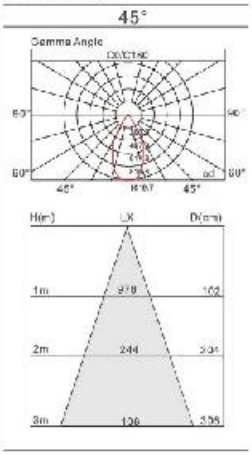

SHISEIDO


ZARA
ZARA


ICI PARIS XL



3000K CRI90



LDL610

18W Recessed Down Light

LED Power: 18W

LED Lumen:
2700K: CRI95=1261 CRI90=1326 CRI80=1703
3000K: CRI95=1408 CRI90=1523 CRI80=1801
4000K: CRI95=1527 CRI90=1651 CRI80=1916
5000K: CRI90=1942 CRI80=1949

System Power: 19W

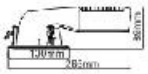
System Lumen:
2700K: CRI95=678 CRI90=713 CRI80=916
3000K: CRI95=758 CRI90=819 CRI80=969
4000K: CRI95=822 CRI90=888 CRI80=1031
5000K: CRI90=1045 CRI80=1049

System Lm/w:
2700K: CRI95=36 CRI90=38 CRI80=48
3000K: CRI95=40 CRI90=43 CRI80=51
4000K: CRI95=43 CRI90=47 CRI80=54
5000K: CRI90=55 CRI80=56

System Power: 45°

Material: Plastic, Aluminium Alloy

LDL611



26W Recessed Down Light

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2633
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 27W

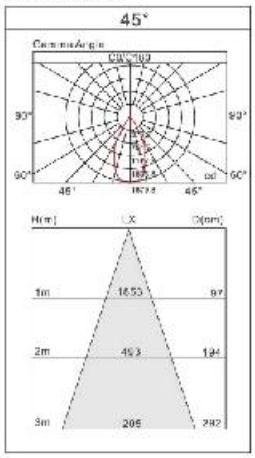
System Lumen:
2700K: CRI95=1159 CRI90=1219 CRI80=1580
3000K: CRI95=1324 CRI90=1437 CRI80=1670
4000K: CRI95=1412 CRI90=1522 CRI80=1791
5000K: CRI80=1821

System Lm/w:
2700K: CRI95=43 CRI90=45 CRI80=58
3000K: CRI95=49 CRI90=53 CRI80=62
4000K: CRI95=52 CRI90=56 CRI80=66
5000K: CRI80=67

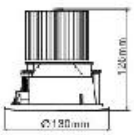
System Power: 45°

Material: Plastic, Aluminium Alloy

3000K CRI90



LDL615



26W Recessed Down Light

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2633
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 27W

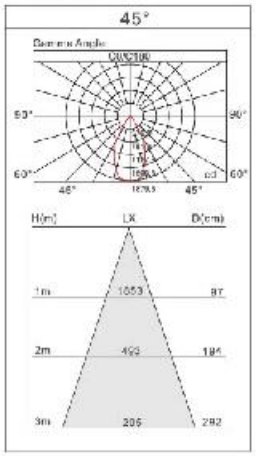
System Lumen:
2700K: CRI95=1159 CRI90=1219 CRI80=1580
3000K: CRI95=1324 CRI90=1437 CRI80=1670
4000K: CRI95=1412 CRI90=1522 CRI80=1791
5000K: CRI80=1821

System Lm/w:
2700K: CRI95=43 CRI90=45 CRI80=58
3000K: CRI95=49 CRI90=53 CRI80=62
4000K: CRI95=52 CRI90=56 CRI80=66
5000K: CRI80=67

System Power: 45°

Material: Plastic, Aluminium Alloy

3000K CRI90



LDL330

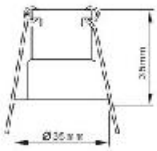
1W Recessed Down Light

Lumen: 3000K=74lm, 6000K=93lm
Lm/w: 3000K=74lm/w,6000K=93lm/w

CRI: 3000K=80, 6000K=75

Beam Angle :14°/22°

Material: zinc alloy



LDL333

3W Adjustable Recessed Down Light

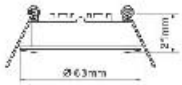
Lumen: 3000K=130lm, 6000K=162lm
Lm/w: 3000K=56lm/w,6000K=73lm/w

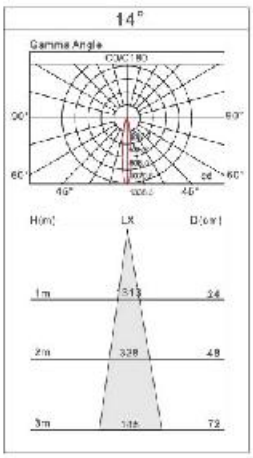
CRI: 3000K=80, 6000K=75

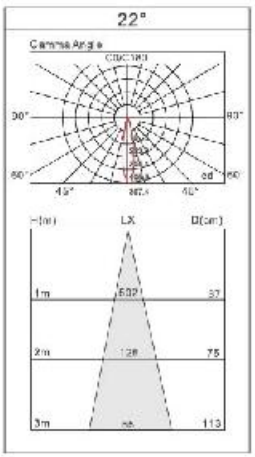
Beam Angle: 14°/22°

Material: zinc alloy

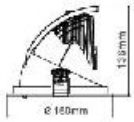
Tilting Angle: 30°







LDL734



33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2124 CRI90=2234 CRI80=2895
3000K: CRI95=2427 CRI90=2620 CRI80=3061
4000K: CRI95=2574 CRI90=2775 CRI80=3282
5000K: CRI80=3337

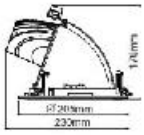
System Lm/w:
2700K: CRI95=59 CRI90=62 CRI80=80
3000K: CRI95=67 CRI90=73 CRI80=85
4000K: CRI95=72 CRI90=77 CRI80=91
5000K: CRI80=93

Beam Angle: 17°/24°/40°

Material: Aluminium

Tilting Angle: 350 ° rotate 55 ° vertical

LDL741



43W Adjustable Recessed Down Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:
2700K: CRI95=2746 CRI90=2919 CRI80=3733
3000K: CRI95=3122 CRI90=3360 CRI80=3971
4000K: CRI95=3462 CRI90=3818 CRI80=4208
5000K: CRI80=4130

System Lm/w:
2700K: CRI95=58 CRI90=62 CRI80=79
3000K: CRI95=66 CRI90=71 CRI80=84
4000K: CRI95=74 CRI90=81 CRI80=90
5000K: CRI80=92

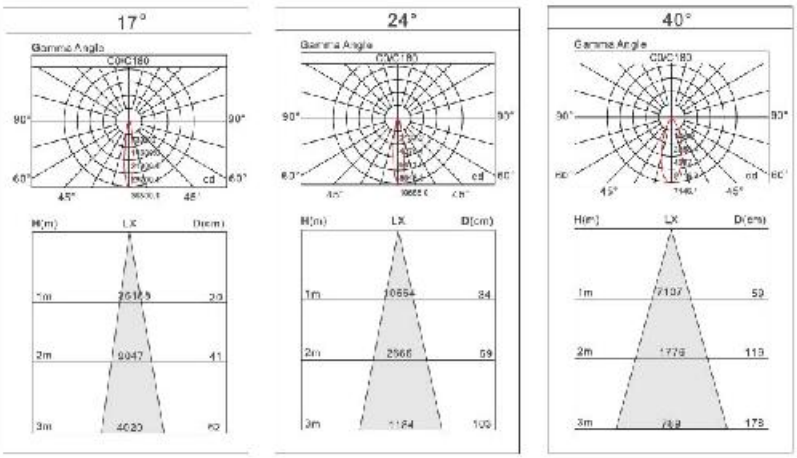
Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 350° rotate/55° vertical

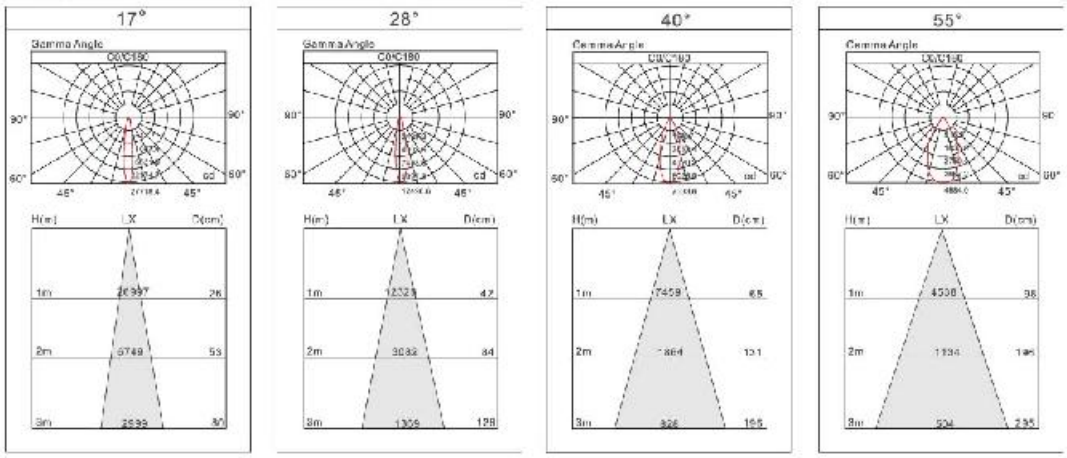
LDL734

3000K CRI90

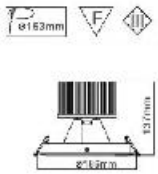


LDL741

3000K CRI90



LDL801



43W Adjustable Recessed Down Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4267
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:

2700K: CRI95=2851 CRI90=3028 CRI80=3874
3000K: CRI95=3240 CRI90=3486 CRI80=4120
4000K: CRI95=3593 CRI90=3962 CRI80=4366
5000K: CRI80=4473

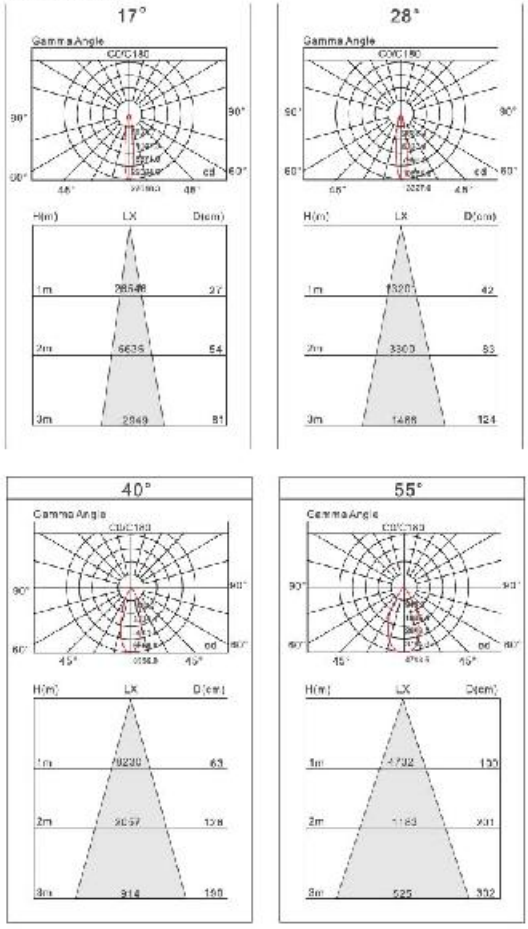
System Lm/w:
2700K: CRI95=61 CRI90=64 CRI80=82
3000K: CRI95=69 CRI90=74 CRI80=88
4000K: CRI95=76 CRI90=84 CRI80=93
5000K: CRI80=95

Beam Angle: 17°/28°/40°/55°

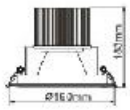
Material: Aluminium

Tilting Angle: 30°

3000K CRI90



LDL809



43W Adjustable Recessed Down Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:

2700K: CRI95=2851 CRI90=3028 CRI80=3874
3000K: CRI95=3240 CRI90=3486 CRI80=4120
4000K: CRI95=3593 CRI90=3962 CRI80=4366
5000K: CRI80=4473

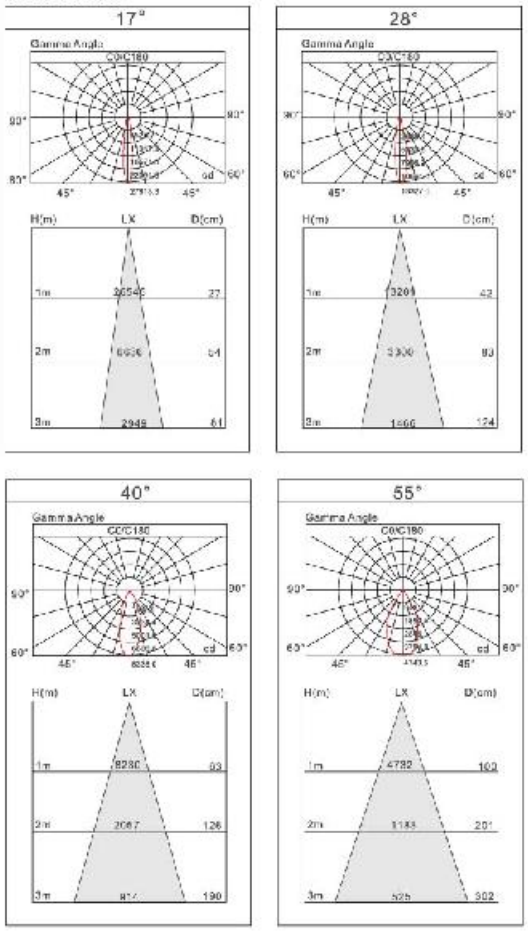
System Lm/w:
2700K: CRI95=61 CRI90=64 CRI80=82
3000K: CRI95=69 CRI90=74 CRI80=88
4000K: CRI95=76 CRI90=84 CRI80=93
5000K: CRI80=95

Beam Angle: 17°/28°/40°/55°

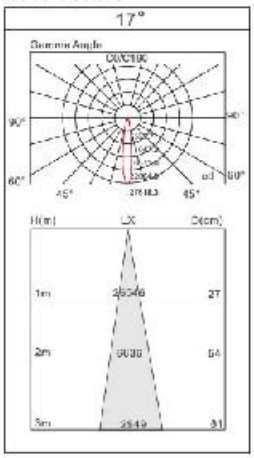
Material: Aluminium

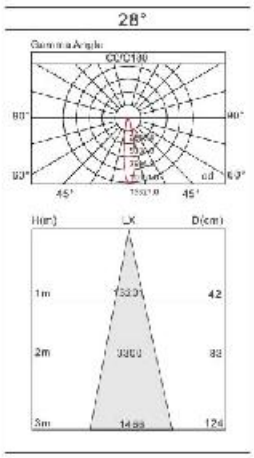
Tilting Angle: 30°

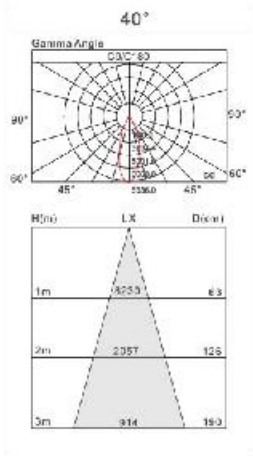
3000K CRI90

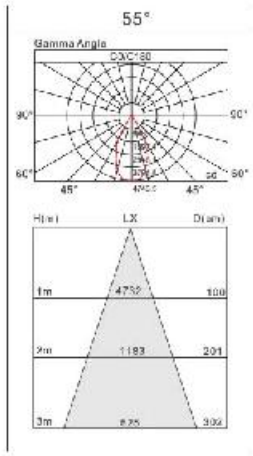


3000K CRI90









LDL810

43W Recessed Down Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

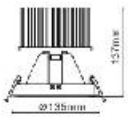
System Lumen:

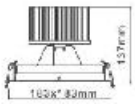
2700K: CRI95=2851 CRI90=3028 CRI80=3874
3000K: CRI95=3240 CRI90=3486 CRI80=4120
4000K: CRI95=3593 CRI90=3962 CRI80=4366
5000K: CRI80=4473

System Lm/w:
2700K: CRI95=61 CRI90=64 CRI80=82
3000K: CRI95=69 CRI90=74 CRI80=88
4000K: CRI95=76 CRI90=84 CRI80=93
5000K: CRI80=95

Beam Angle: 17°/28°/40°/55°

Material: Aluminium





LDG801

43W LED Grill Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

System Power: 47W

System Lumen:
2700K: CRI95=2846 CRI90=3022 CRI80=3865
3000K: CRI95=3232 CRI90=3478 CRI80=4111
4000K: CRI95=3584 CRI90=3953 CRI80=4357
5000K: CRI80=4462

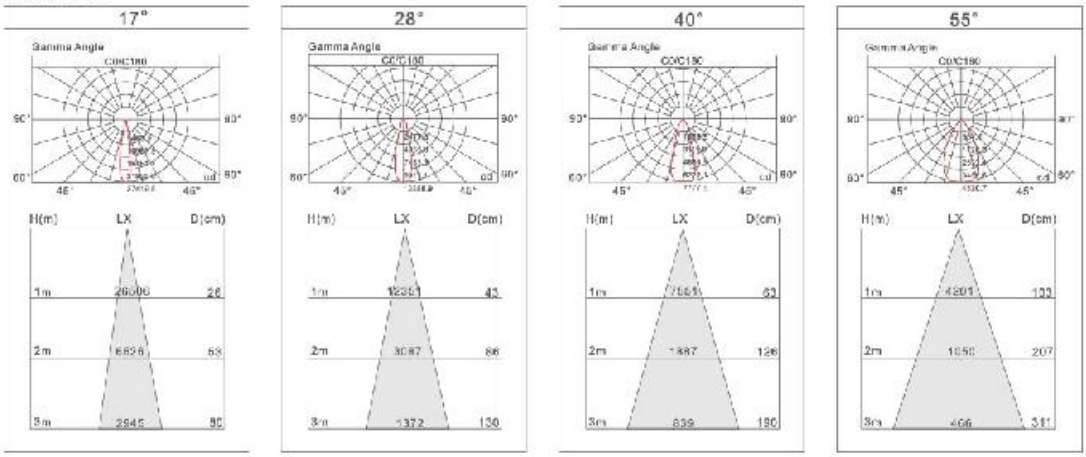
System Lm/w:
2700K: CRI95=60 CRI90=64 CRI80=82
3000K: CRI95=68 CRI90=74 CRI80=87
4000K: CRI95=76 CRI90=84 CRI80=92
5000K: CRI80=94

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Tilting Angle: 30°

3000K CRI90




TEA
English Breakfast
Earl Grey
Peppermint
Camomile
Citrus
Rooibos
Daily Pesto
Beef Lasagne
Daily Soup
Tomato Basil
ffe greco
French Macaron
$15


Coffee
Hot
Ice
22
30
30
32
35
35
38
35
38
35
38
25
35
38
Milk
TEA
English Breakfast
Earl Grey
Peppermint
Camomile
Red Berries
Citrus
Rooibos
฿33
Daily Pasta
Daily Soup
Tomato Basil

LDL811

33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2676 CRI90=2888 CRI80=3375
4000K: CRI95=2638 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

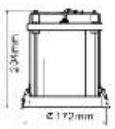
System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2322
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

System Lm/W:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=65
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

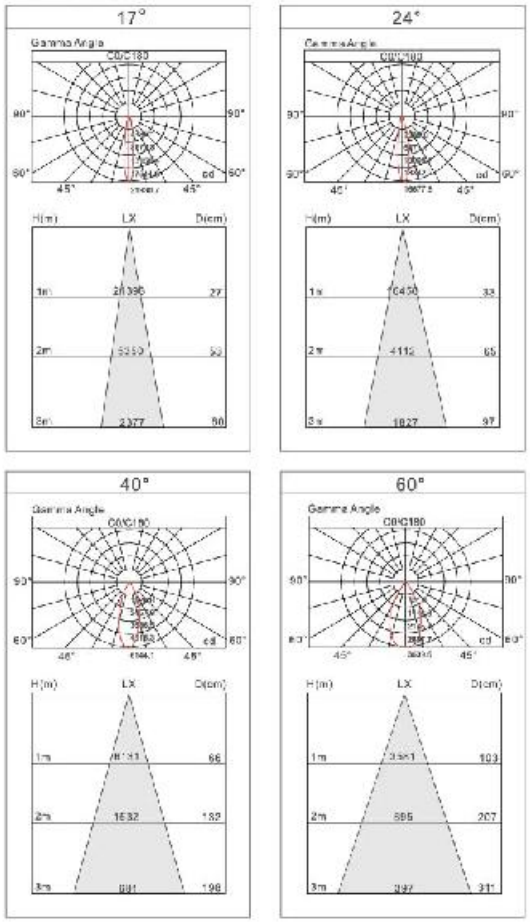
Beam Angle: 17°/24°/40°/60°

Material: Aluminium

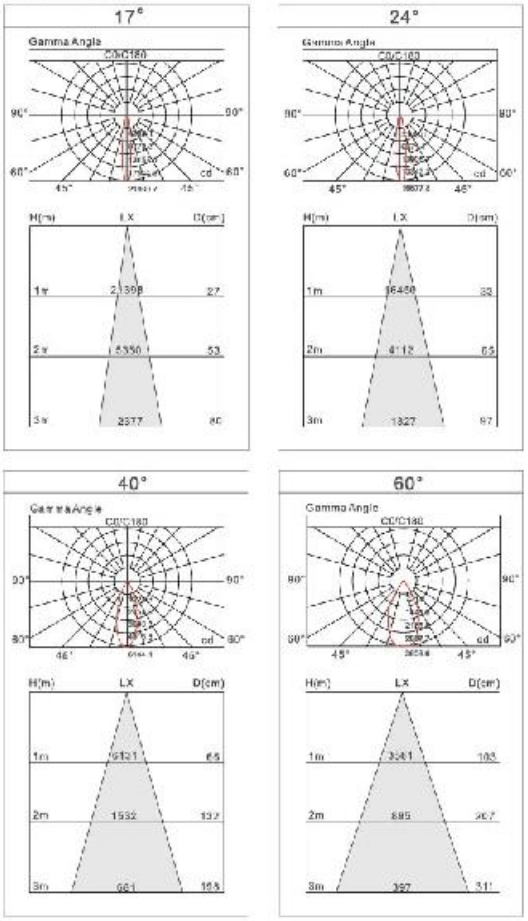
Tilting Angle: 30°



3000K CRI90



3000K CRI90



LDL812

33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

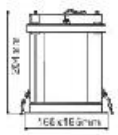
System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2745
3000K: CRI95=2300 CRI90=2500 CRI80=2322
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=65
4000K: CRI95=68 CRI90=73 CRI80=86
5000K: CRI80=88

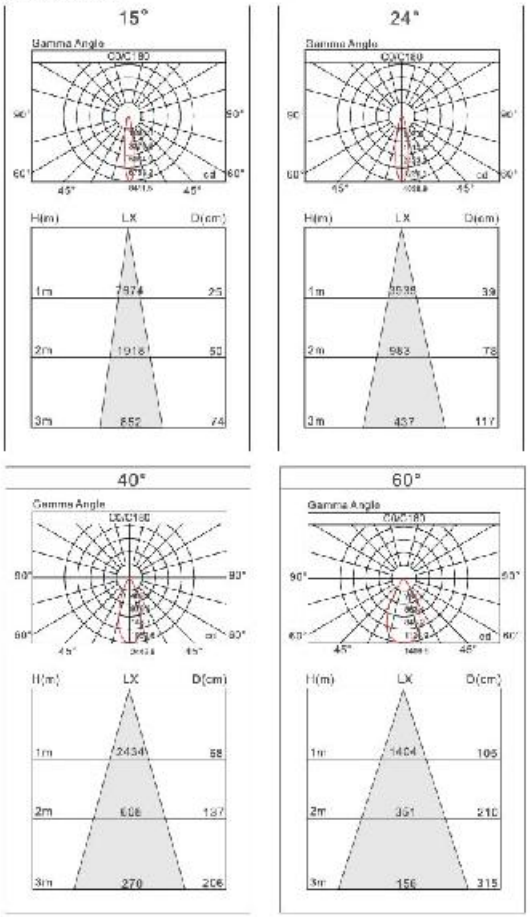
Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



3000K CRI90



LDL813

13W Adjustable Recessed Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

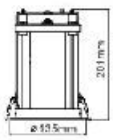
System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=60 CRI80=76
5000K: CRI90=67 CRI80=77

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LED DOWNLIGHTS

7w & 9w LED Modular Down Light Series

LLR01

LLR04

Recessed Downlights


LDL265


LDL268


LDL287


LDL288


LDL317


LDL355


LDL374


LDL805


LDL815


LDL825


LDL903


LDL913


LDL923

LDL265

9W Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

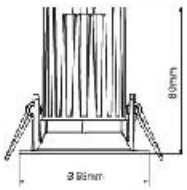
System Power: 12W

System Lumen:
2700K: CRI95=493 CRI90=531 CRI80=684
3000K: CRI95=541 CRI90=576 CRI80=682
4000K: CRI90=679 CRI80=735
5000K: CRI80=747

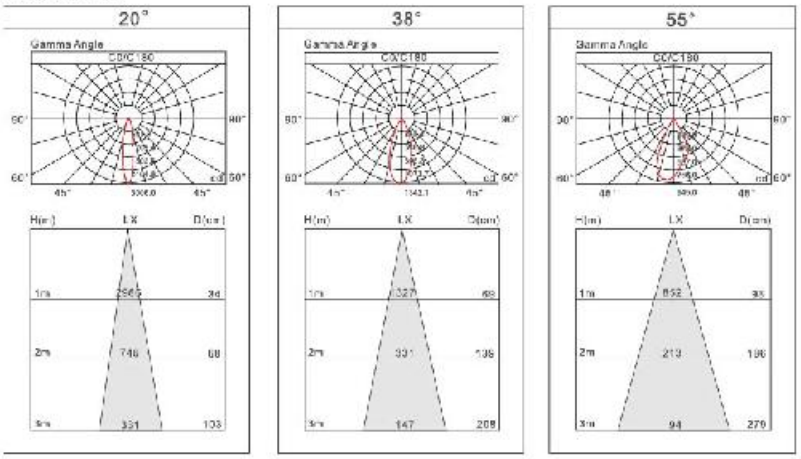
System Lm/w:
2700K: CRI95=39 CRI90=42 CRI80=54
3000K: CRI95=45 CRI90=48 CRI80=57
4000K: CRI90=56 CRI80=61
5000K: CRI80=62

Beam Angle: 20°/38°/55°

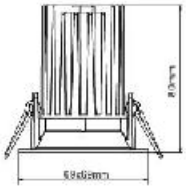
Material: Aluminium



3000K CRI90



LDL266



9W Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=638 CRI90=883 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 12W

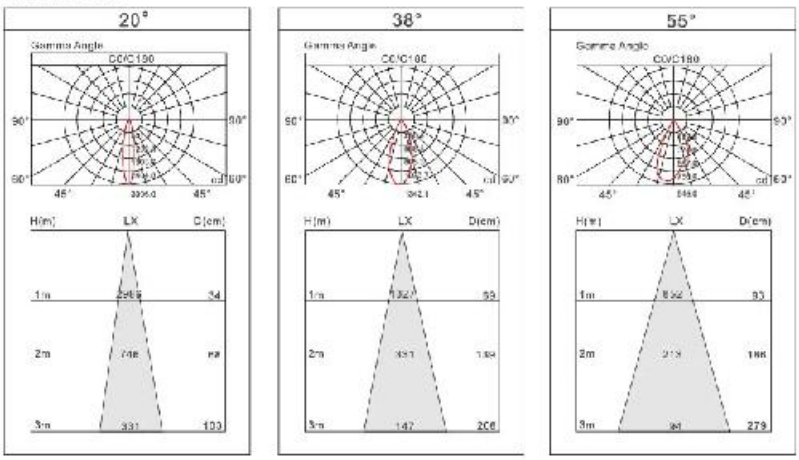
System Lumen:
2700K: CRI95=493 CRI90=531 CRI80=684
3000K: CRI95=541 CRI90=576 CRI80=682
4000K: CRI90=679 CRI80=735
5000K: CRI80=747

System Lm/w:
2700K: CRI95=39 CRI90=42 CRI80=54
3000K: CRI95=45 CRI90=48 CRI80=57
4000K: CRI90=56 CRI80=61
5000K: CRI80=62

Beam Angle: 20°/38°/55°

Material: Aluminium

3000K CRI90



LDL267

9W Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

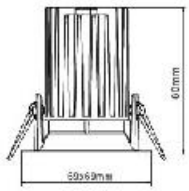
System Power: 12W

System Lumen:
2700K: CRI95=509 CRI90=546 CRI80=706
3000K: CRI95=568 CRI90=620 CRI80=738
4000K: CRI90=696 CRI80=794
5000K: CRI80=807

System Lm/w:
2700K: CRI95=41 CRI90=45 CRI80=59
3000K: CRI95=47 CRI90=52 CRI80=62
4000K: CRI90=58 CRI80=66
5000K: CRI80=67

Beam Angle: 20°/38°/55°

Material: Aluminium



LDL268

9W Adjustable Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 12W

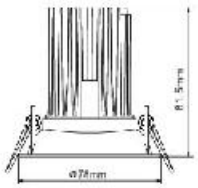
System Lumen:
2700K: CRI95=493 CRI90=531 CRI80=684
3000K: CRI95=541 CRI90=576 CRI80=682
4000K: CRI90=679 CRI80=735
5000K: CRI80=747

System Lm/w:
2700K: CRI95=39 CRI90=42 CRI80=54
3000K: CRI95=45 CRI90=48 CRI80=57
4000K: CRI90=56 CRI80=61
5000K: CRI80=62

Beam Angle: 20°/38°/55°

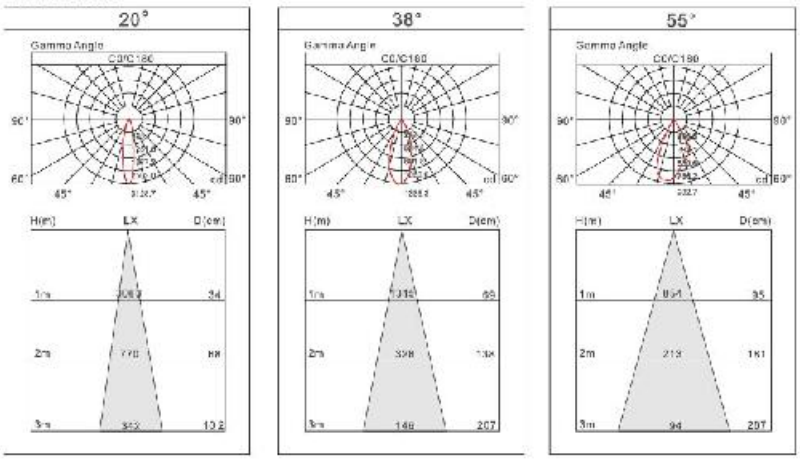
Material: Aluminium

Tilting Angle: 30°



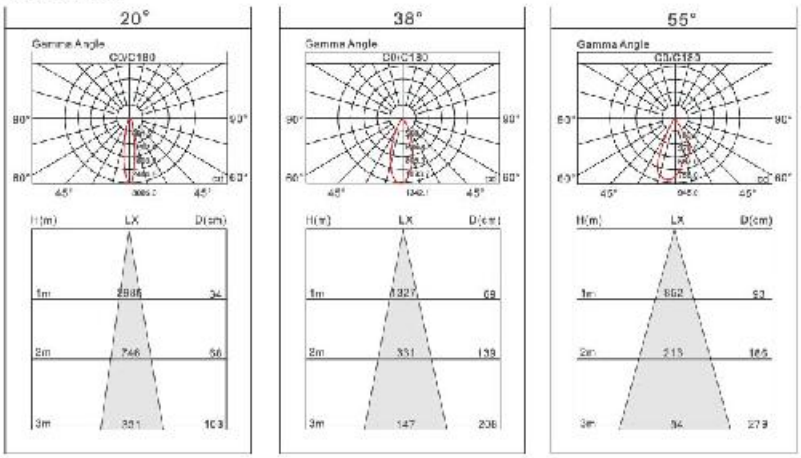
LDL267

3000K CRI90

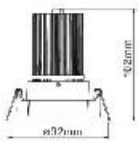


LDL268

3000K CRI90



LDL317



9W Adjustable Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95-636 CRI90-683 CRI80-882
3000K: CRI95-731 CRI90-779 CRI80-922
4000K: CRI90-870 CRI80-993
5000K: CRI80-1009

System Power: 12W

System Lumen:
2700K: CRI95-318 CRI90-342 CRI80-441
3000K: CRI95-366 CRI90-395 CRI80-461
4000K: CRI90-435 CRI80-497
5000K: CRI80=505

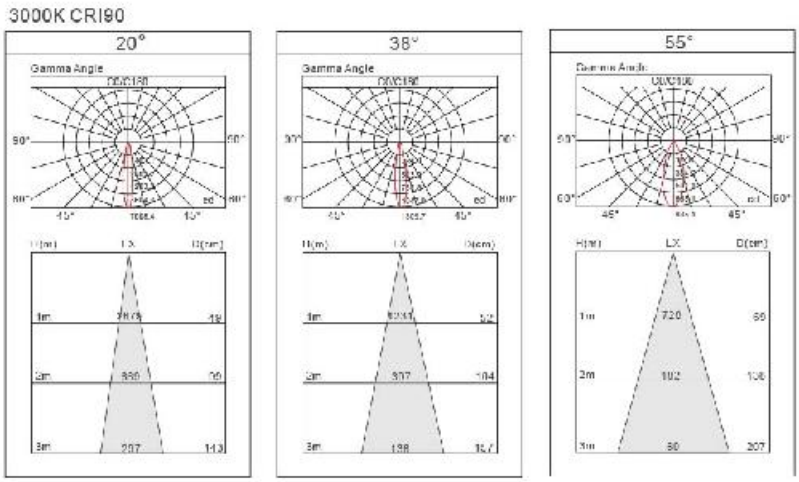
System Lm/w:
2700K: CRI95-26 CRI90-28 CRI80-36
3000K: CRI95-30 CRI90-32 CRI80-38
4000K: CRI90-36 CRI80-41
5000K: CRI80-42

Beam Angle: 20°/38°/55°

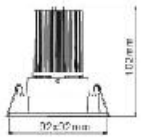
Material: Aluminium

Tilting Angle: 30°

3000K CRI90



LDL355



9W Adjustable Recessed Down Light

LED Power: 9 W

LED Lumen:
2700K: CRI95=638 CRI90=685 CRI80=682
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1008

System Power: 12W

System Lumen:
2700K: CRI95=305 CRI90=328 CRI80=423

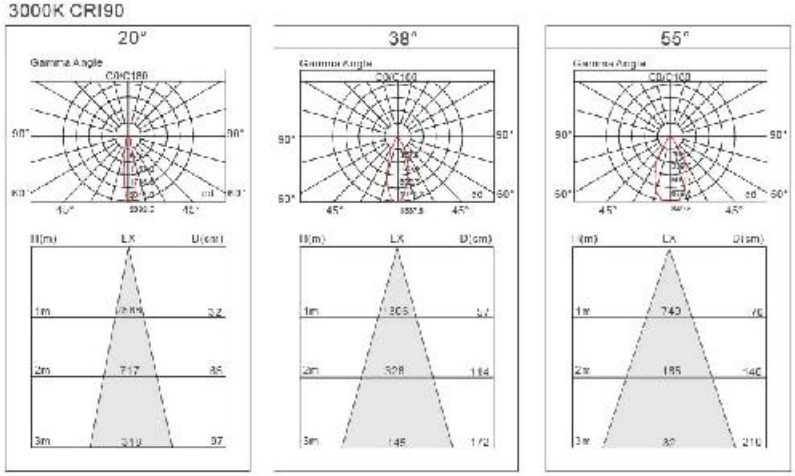
3000K: CRI95=351 CRI90=374 CRI80=442
4000K: CRI90=426 CRI80=477
5000K: CRI80=484
System Lm/w:
2700K: CRI95=25 CRI90=27 CRI80=35
3000K: CRI95=29 CRI90=31 CRI80=37
4000K: CRI90=35 CRI80=39
5000K: CRI80=40

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30 °

3000K CRI90



LDL374

9W Adjustable Recessed Down Light

LED Power: 9W

LED Lumen:
2700K: CRI95=608 CRI90=883 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 12W

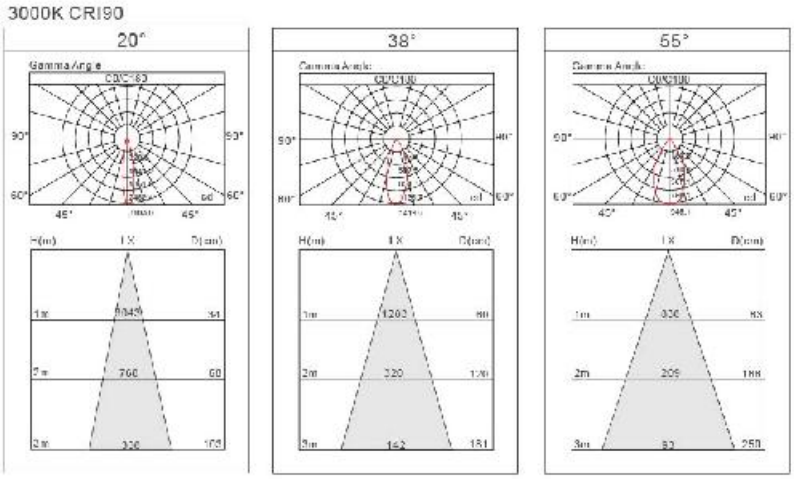
System Lumen:
2700K: CRI95=309 CRI90=396 CRI80=512
3000K: CRI95=494 CRI90=451 CRI80=535
4000K: CRI90=505 CRI80=578
5000K: CRI80=585

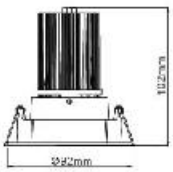
System Lm/w:
2700K: CRI95=31 CRI90=33 CRI80=43
3000K: CRI95=38 CRI90=38 CRI80=45
4000K: CRI90=42 CRI80=48
5000K: CRI80=40

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30°






MILANO

LDG805

9W LED Grill Light

LED Power: 9W

LED Lumen:
2700K: CRI95=638 CRI90=683 CRI80=882
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=883
5000K: CRI80=1009

System Power: 12W

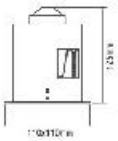
System Lumen:
2700K: CRI95=502 CRI90=539 CRI80=697
3000K: CRI95=577 CRI90=615 CRI80=728
4000K: CRI90=686 CRI80=784
5000K: CRI80=797

System Lm/w:
2700K: CRI95=42 CRI90=45 CRI80=58
3000K: CRI95=48 CRI90=51 CRI80=61
4000K: CRI90=57 CRI80=65
5000K: CRI80=66

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30°



LDG815

2x9W 2 head LED Grill Light

LED Power: 2x9W

LED Lumen:
2700K: CRI95=2x638 CRI90=2x683 CRI80=2x882
3000K: CRI95=2x731 CRI90=2x779 CRI80=2x922
4000K: CRI90=2x870 CRI80=2x993
5000K: CRI80=2x1009

System Power: 2x12W

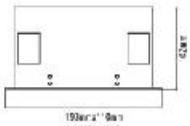
System Lumen:
2700K: CRI95=2x502 CRI90=2x539 CRI80=2x697
3000K: CRI95=2x577 CRI90=2x615 CRI80=2x728
4000K: CRI90=2x686 CRI80=2x784
5000K: CRI80=2x797

System Lm/w:
2700K: CRI95=2x42 CRI90=2x45 CRI80=2x58
3000K: CRI95=2x48 CRI90=2x51 CRI80=2x61
4000K: CRI90=2x57 CRI80=2x65
5000K: CRI80=2x66

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30°



LDG825

3x9W 3 head LED Grill Light

LED Power: 3x8W

LED Lumen:
2700K: CRI85=3x731 CRI90=3x779 CRI80=3x822
4000K: CRI90=3x870 CRI80=3x995
5000K: CRI80=3x1009

System Power: 3x12W

System Lumen:
2700K: CRI85=3x502 CRI90=3x539 CRI80=3x597
3000K: CRI85=3x577 CRI90=3x615 CRI80=3x678
4000K: CRI90=3x696 CRI80=3x784
5000K: CRI80=3x797

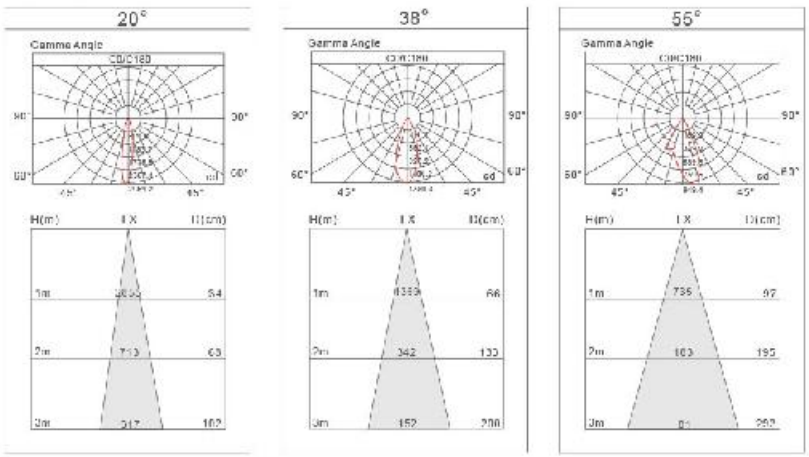
System Lm/w:
2700K: CRI85=3x42 CRI90=3x45 CRI80=3x50
3000K: CRI85=3x48 CRI90=3x51 CRI80=3x61
4000K: CRI90=3x57 CRI80=3x65
5000K: CRI80=3x66

Beam Angle: 20°/38°/55°

Material: Aluminum

Tilting Angle: 30°

3000K CRI90



LDG903

9W LED Grill Light

LED Power: 9W

LED Lumen:
2700K: CRI95=636 CRI90=685 CRI80=802
3000K: CRI95=731 CRI90=779 CRI80=922
4000K: CRI90=870 CRI80=993
5000K: CRI80=1009

System Power: 12W

System Lumen:
2700K: CRI95=502 CRI90=539 CRI80=697
3000K: CRI95=577 CRI90=615 CRI80=728
4000K: CRI90=696 CRI80=784
5000K: CRI80=797

System Lm/w:
2700K: CRI95=42 CRI90=45 CRI80=58
3000K: CRI95=48 CRI90=51 CRI80=61
4000K: CRI90=57 CRI80=65
5000K: CRI80=66

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30°

LDG913

2x9W 2 head LED Grill Light

LED Power: 2x9W

LED Lumen:
2700K: CRI95=2x636 CRI90=2x683 CRI80=2x882
3000K: CRI95=2x731 CRI90=2x779 CRI80=2x922
4000K: CRI90=2x870 CRI80=2x993
5000K: CRI80=2x1009

System Power: 2x12W

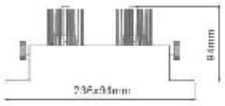
System Lumen:
2700K: CRI95=2x502 CRI90=2x539 CRI80=2x697
3000K: CRI95=2x577 CRI90=2x615 CRI80=2x728
4000K: CRI90=2x696 CRI80=2x784
5000K: CRI80=2x797

System Lm/w:
2700K: CRI95=2x42 CRI90=2x45 CRI80=2x58
3000K: CRI95=2x48 CRI90=2x51 CRI80=2x61
4000K: CRI90=2x57 CRI80=2x65
5000K: CRI80=2x66

Beam Angle: 20°/38°/55°

Material: Aluminium

Tilting Angle: 30°



LDG923

3x9W 3 head LED Grill Light

LED Power: 3x9W

LED Lumen:
2700K: CRI95=3x731 CRI90=3x779 CRI80=3x922
4000K: CRI90=3x870 CRI80=3x993
5000K: CRI80=3x1009

System Power: 3x12W

System Lumen:
2700K: CRI95=3x502 CRI90=3x539 CRI80=3x687
3000K: CRI95=3x577 CRI90=3x615 CRI80=3x728
4000K: CRI90=3x696 CRI80=3x784
5000K: CRI80=3x797

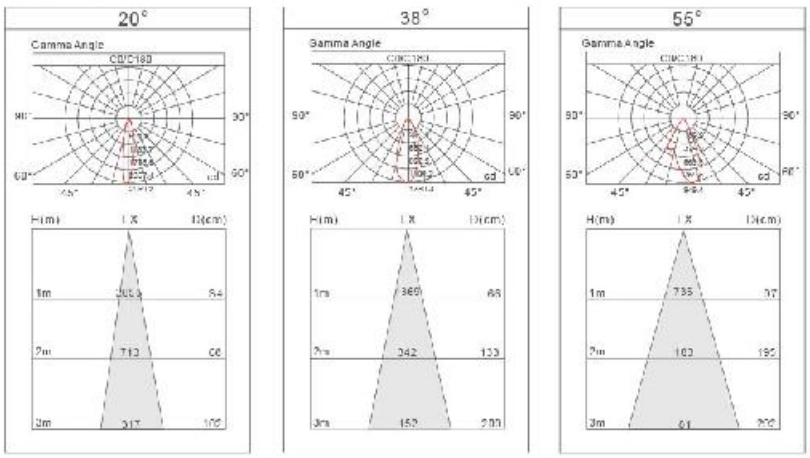
System Lm/w:
2700K: CRI95=3x42 CRI90=3x45 CRI80=3x58
3000K: CRI95=3x48 CRI90=3x51 CRI80=3x61
4000K: CRI90=3x57 CRI80=3x65
5000K: CRI80=3x66

Beam Angle: 20°/38°/55°

Material: Aluminum

Tilting Angle: 30°

3000K CRI90



Accessories

7w & 9w LED Modular Down Light Series

Louver

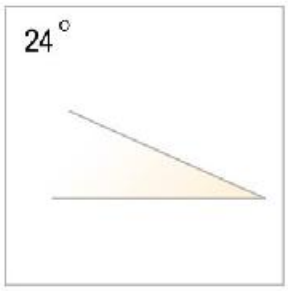
Honeycomb

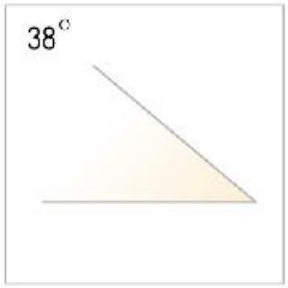
Diffuser

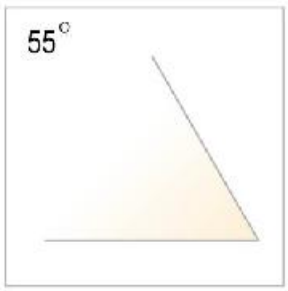
Frosted Glass

Clear Glass

Reflector








Checkouts
$20.80
$22.90

LED DOWNLIGHTS

33w LED Modular Down Light Series

Recessed Downlights


LDL451


LDL452


LDL454


LDL455


LDL802


LDL803


LDL901


LDL419


LDL420


LDL802


LDL812


LDL822


LDL902


LDL912


LDL922

LDL451

33W Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3879

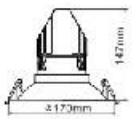
System Power: 35W

System Lumen:
2700K: CRI95=2070 CRI90=2177 CRI80=2822
3000K: CRI95=2366 CRI90=2553 CRI80=2984
4000K: CRI95=2497 CRI90=2693 CRI80=3199
5000K: CRI80=3253

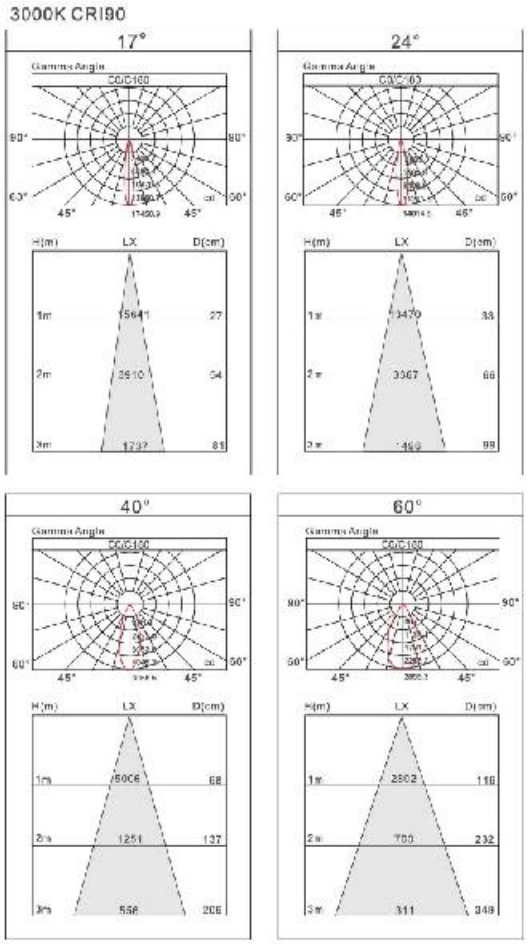
System Lm/w:
2700K: CRI95=59 CRI90=62 CRI80=81
3000K: CRI95=68 CRI90=73 CRI80=85
4000K: CRI95=72 CRI90=77 CRI80=91
5000K: CRI80=93

Beam Angle: 17°/24°/40°/60°

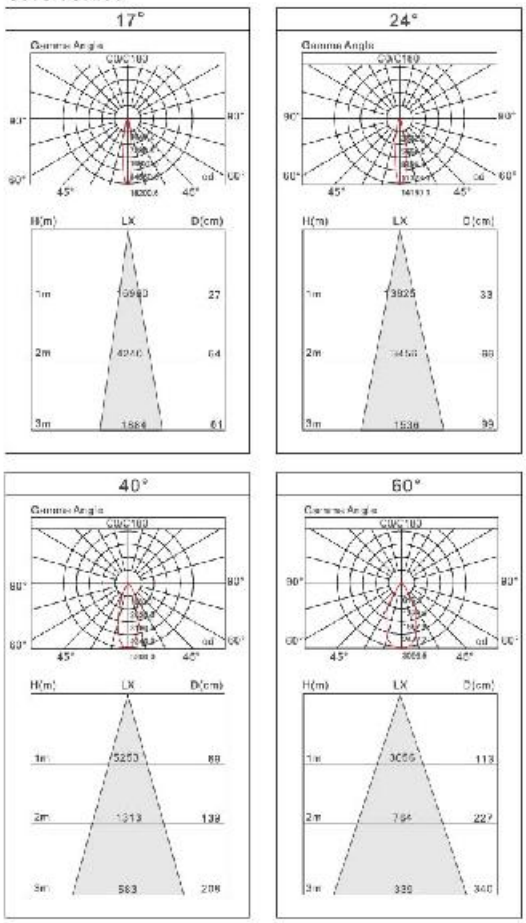
Material: Aluminium



3000K CRI90



3000K CRI90



LDL452

33W Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 35W

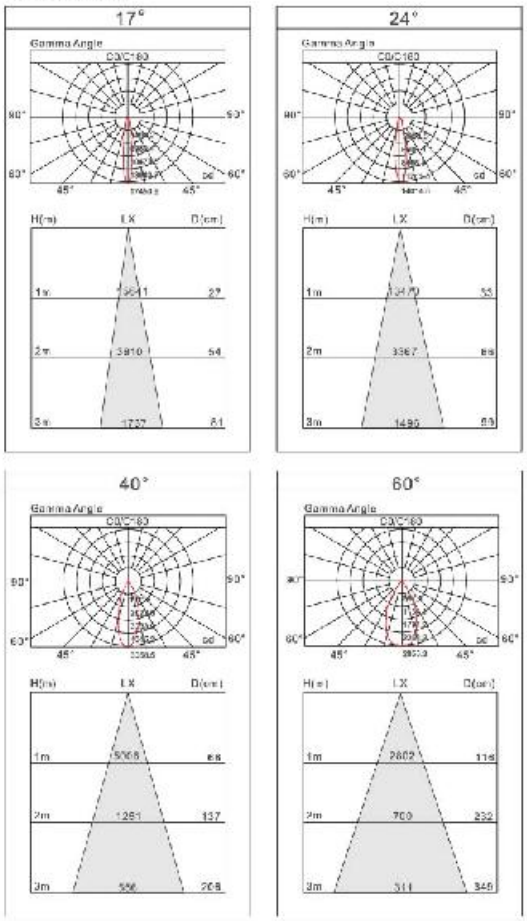
System Lumen:
2700K: CRI95=2060 CRI90=2167 CRI80=2810
3000K: CRI95=2354 CRI90=2542 CRI80=2970
4000K: CRI95=2497 CRI90=2693 CRI80=3184
5000K: CRI80=3238

System Lm/w:
2700K: CRI95=59 CRI90=62 CRI80=80
3000K: CRI95=67 CRI90=73 CRI80=85
4000K: CRI95=74 CRI90=80 CRI80=91
5000K: CRI80=93

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

3000K CRI90



LDL454

33W Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2868 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

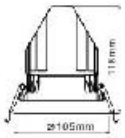
System Power: 35W

System Lumen:
2700K: CRI95=2070 CRI90=2177 CRI80=2822
3000K: CRI95=2366 CRI90=2553 CRI80=2984
4000K: CRI95=2497 CRI90=2693 CRI80=3199
5000K: CRI80=3253

System Lm/w:
2700K: CRI95=59 CRI90=62 CRI80=81
3000K: CRI95=68 CRI90=73 CRI80=85
4000K: CRI95=72 CRI90=77 CRI80=91
5000K: CRI80=93

Beam Angle: 17°/24°/40°/60°

Material: Aluminium



LDL455

33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3879

System Power: 36W

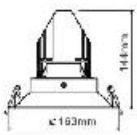
System Lumen:
2700K: CRI95=1927 CRI90=2027 CRI80=2627
3000K: CRI95=2202 CRI90=2377 CRI80=2778
4000K: CRI95=2336 CRI90=2518 CRI80=2978
5000K: CRI80=3028

System Lm/w:
2700K: CRI95=54 CRI90=56 CRI80=73
3000K: CRI95=61 CRI90=66 CRI80=77
4000K: CRI95=65 CRI90=70 CRI80=83
5000K: CRI80=84

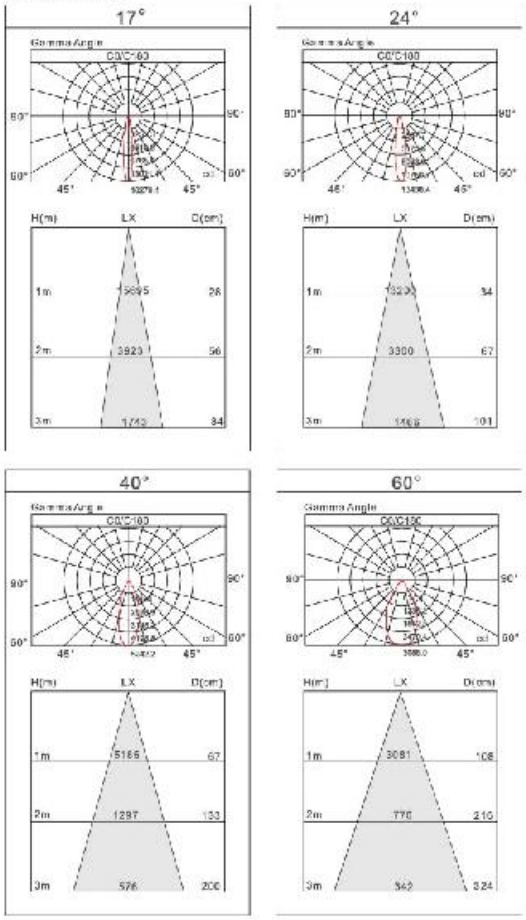
Beam Angle: 17°/24°/40°/60°

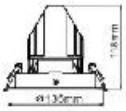
Material: Aluminium

Tilting Angle: 30 °

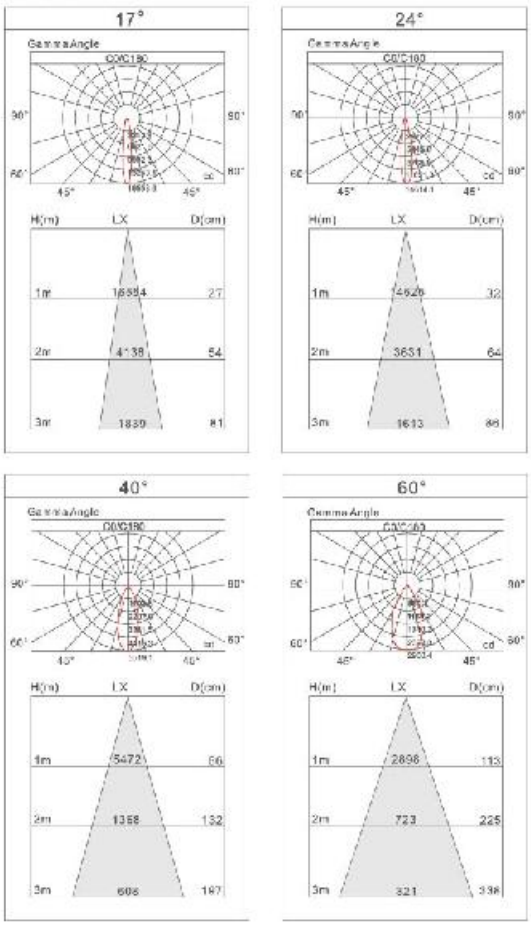


3000K CRI90





3000K CRI90



LDL802

33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 35W

System Lumen:
2700K: CRI95=1990 CRI90=2083 CRI80=2713
3000K: CRI95=2275 CRI90=2455 CRI80=2868
4000K: CRI95=2412 CRI90=2618 CRI80=3075
5000K: CRI80=3127

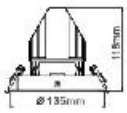
System Lm/w:
2700K: CRI95=57 CRI90=59 CRI80=77
3000K: CRI95=65 CRI90=70 CRI80=82
4000K: CRI95=69 CRI90=74 CRI80=88
5000K: CRI80=89

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°

LDL803



18W Adjustable Recessed Down Light

LED Power: 16W

LED Lumen:
2700K: CRI95=1261 CRI90=1326 CRI80=1703
3000K: CRI95=1408 CRI90=1523 CRI80=1801
4000K: CRI95=1527 CRI90=1651 CRI80=1916
5000K: CRI90=1942 CRI80=1949

System Power: 20W

System Lumen:
2700K: CRI95=1110 CRI90=1167 CRI80=1499
3000K: CRI95=1239 CRI90=1342 CRI80=1585
4000K: CRI95=1344 CRI90=1453 CRI80=1686
5000K: CRI90=1708 CRI80=1715

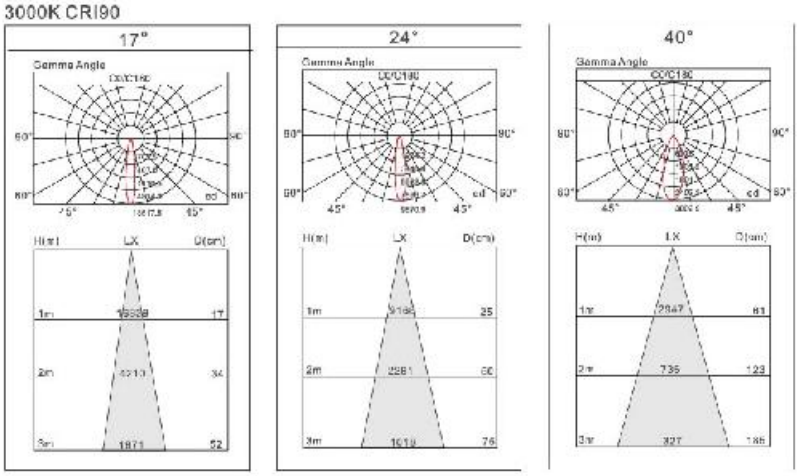
System Lm/w:
2700K: CRI95=55 CRI90=58 CRI80=75
3000K: CRI95=62 CRI90=67 CRI80=79
4000K: CRI95=67 CRI90=73 CRI80=84
5000K: CRI90=85 CRI80=86

Beam Angle: 17°/24°/40°

Material: Aluminium

Tilting Angle: 30°

3000K CRI90



LDL901

33W Adjustable Recessed Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=1927 CRI90=2027 CRI80=2627
3000K: CRI95=2202 CRI90=2377 CRI80=2778

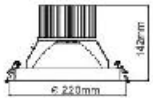
4000K: CRI95=2336 CRI90=2518 CRI80=2978
5000K: CRI80=3028

System Lm/w:
2700K: CRI95=54 CRI90=56 CRI80=73
3000K: CRI95=61 CRI90=66 CRI80=77
4000K: CRI95=65 CRI90=70 CRI80=83
5000K: CRI80=84

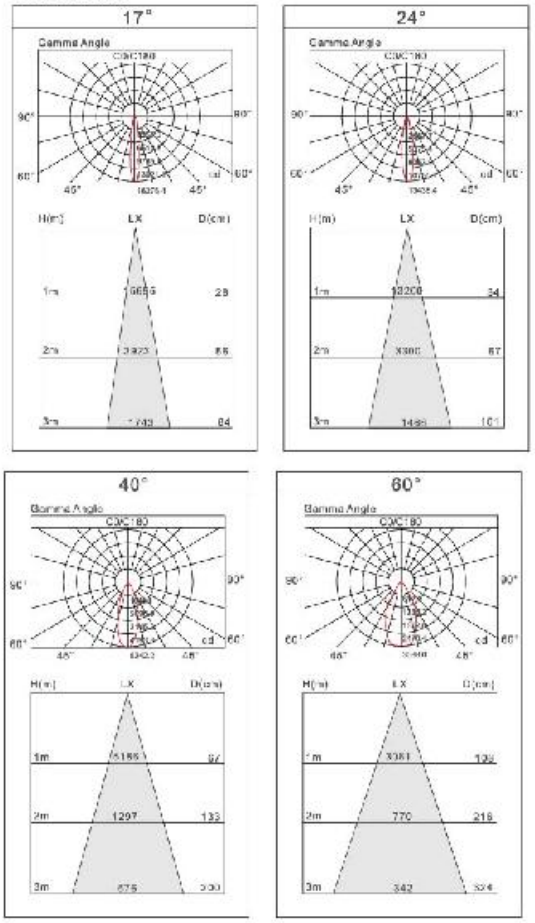
Beam Angle: 17°/24°/40°/60°

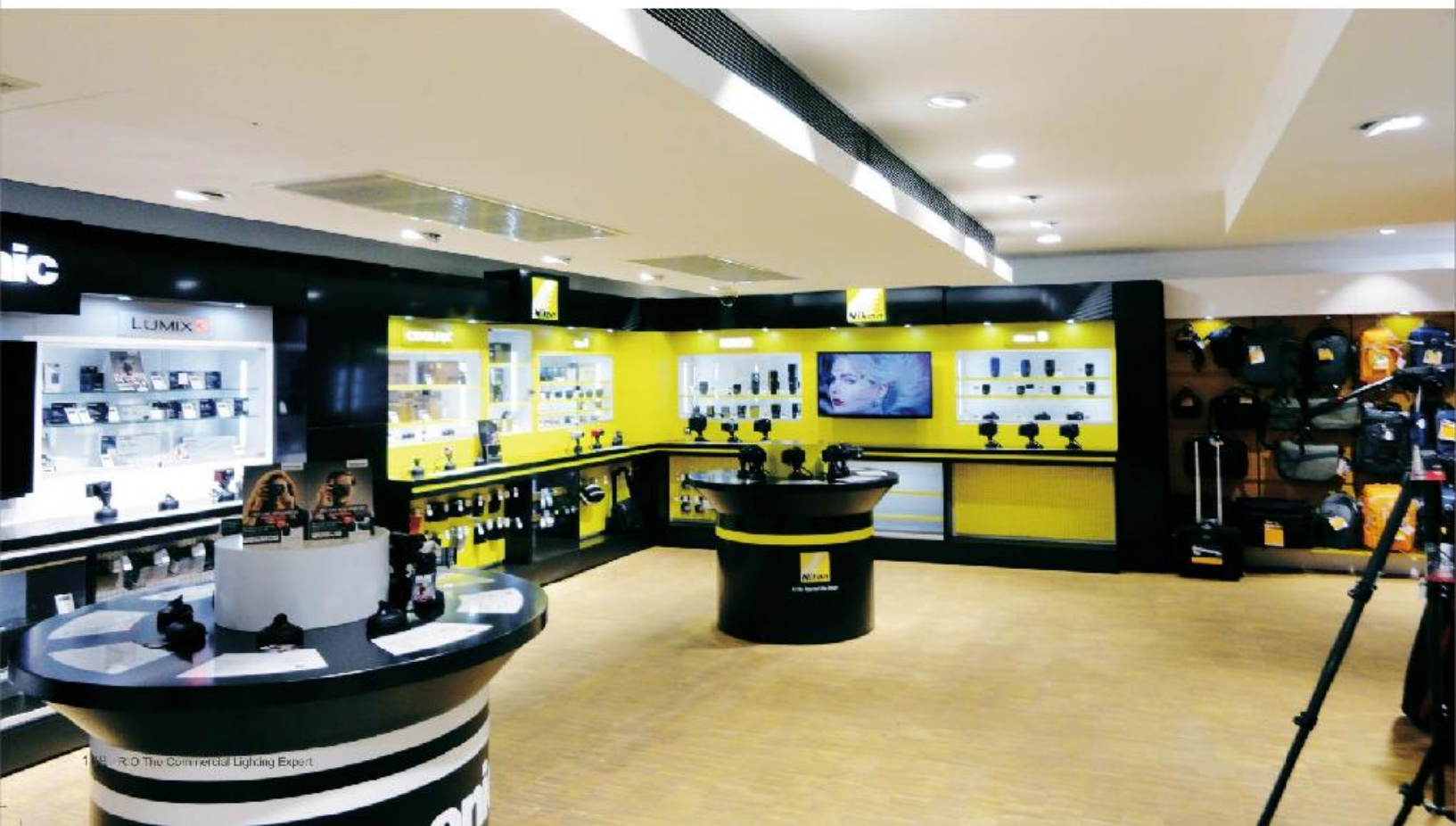
Material: Aluminium

Tilting Angle: 30°



3000K CRI90





LDL419

33W Recessed Down Light

LED Power: 36W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 35W

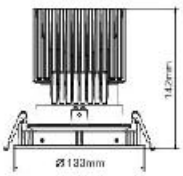
System Lumen:

2700K: CRI95=1709 CRI90=1798 CRI80=2330
3000K: CRI95=1953 CRI90=2108 CRI80=2484
4000K: CRI95=2072 CRI90=2234 CRI80=2641
5000K: CRI80=2686

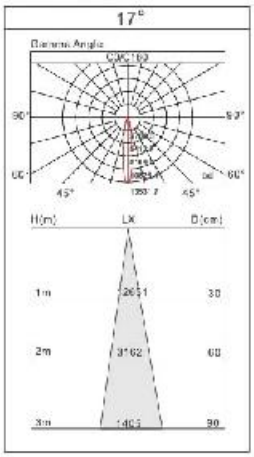
System Lm/w:
2700K: CRI95=48 CRI90=50 CRI80=66
3000K: CRI95=54 CRI90=59 CRI80=69
4000K: CRI95=59 CRI90=64 CRI80=73
5000K: CRI80=75

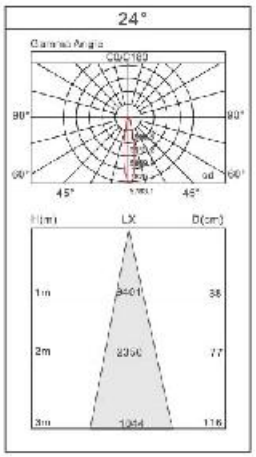
Beam Angle: 17°/24°/40°

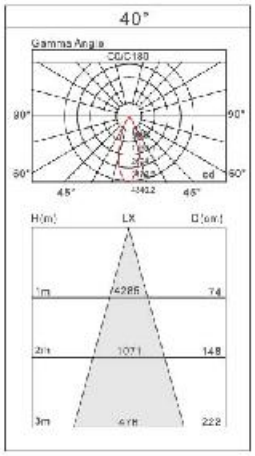
Material: Aluminium



3000K CRI90

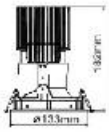






LDL420

33W Adjustable Recessed Down Light



LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=1304 CRI90=1371 CRI80=1778
3000K: CRI95=1490 CRI90=1610 CRI80=1880
4000K: CRI95=1581 CRI90=1704 CRI80=2016
5000K: CRI80=2049

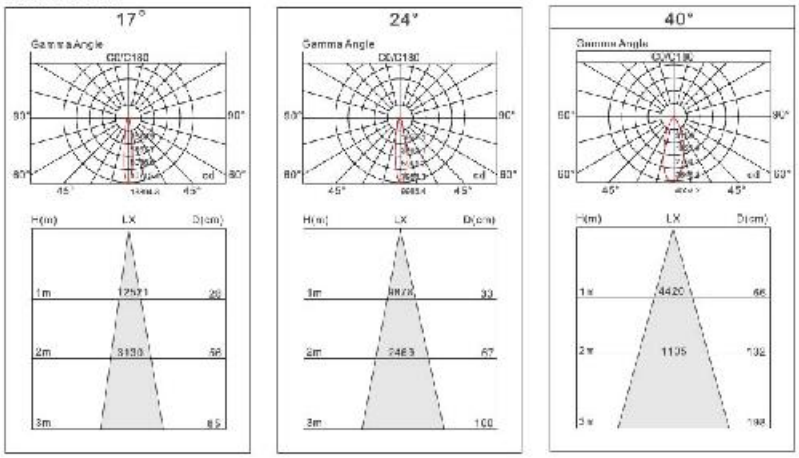
System Lm/w:
2700K: CRI95=36 CRI90=38 CRI80=49
3000K: CRI95=41 CRI90=45 CRI80=52
4000K: CRI95=44 CRI90=47 CRI80=56
5000K: CRI80=57

Beam Angle: 17°/24°/40°

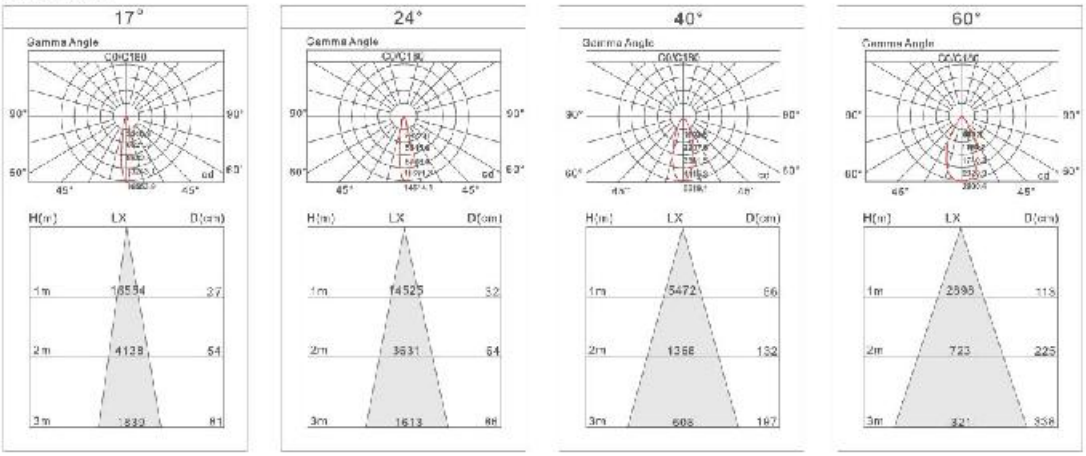
Material: Aluminium

Tilting Angle: 30 °

3000K CRI90



3000K CRI90


17°
24°
40°
60°
Gamma Angle
H(m)
LX
D(cm)
1m
2m
3m
16594
4139
1839
27
54
81
14525
3631
1613
32
64
88
5472
1368
608
66
132
197
2598
723
321
115
225
338

LDG802

33W LED Grill Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 35W

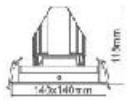
System Lumen:
2700K: CRI95=1990 CRI90=2083 CRI80=2713
3000K: CRI95=2275 CRI90=2455 CRI80=2868
4000K: CRI95=2412 CRI90=2618 CRI80=3075
5000K: CRI80=3127

System Lm/w:
2700K: CRI95=57 CRI90=59 CRI80=77
3000K: CRI95=65 CRI90=70 CRI80=82
4000K: CRI95=69 CRI90=74 CRI80=88
5000K: CRI80=89

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDG812

2x33W 2 head LED Grill Light

LED Power: 2x33W

LED Lumen:
2700K: CRI95=2x2341 CRI90=2x2463 CRI80=2x3192
3000K:CRI95=2x2675 CRI90=2x2888 CRI80=2x3375
4000K:CRI95=2x2838 CRI90=2x3060 CRI80=2x3618
5000K:CRI80=2x3679

System Power: 2x35W

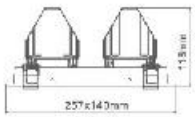
System Lumen:
2700K: CRI95=2x1990 CRI90=2x2093 CRI80=2x2713
3000K: CRI95=2x2275 CRI90=2x2455 CRI80=2x2868
4000K: CRI95=2x2412 CRI90=2x2618 CRI80=2x3075
5000K: CRI80=2x3172

System Lm/w:
2700K: CRI95=2x57 CRI90=2x59 CRI80=2x77
3000K: CRI95=2x65 CRI90=2x70 CRI80=2x82
4000K: CRI95=2x69 CRI90=2x74 CRI80=2x88
5000K: CRI80=2x89

Beam Angle 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDG822

3x33W 3 head LED Grill Light

LED Power:3x33W

LED Lumen:
2700K:CRI95=3x2341 CRI90=3x2463 CRI80=3x3192
3000K:CRI95=3x2675 CRI90=3x2888 CRI80=3x3375
4000K:CRI95=3x2838 CRI90=3x3060 CRI80=3x3618
5000K:CRI80=3x3679

System Power:3x35W

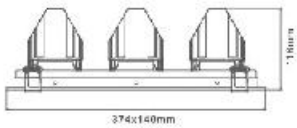
System Lumen:
2700K:CRI95=3x1190 CRI90=3x2093 CRI80=3x2713
3000K:CRI95=3x2275 CRI90=3x2455 CRI80=3x2868
4000K:CRI95=3x2412 CRI90=3x2618 CRI80=3x3075
5000K:CRI80=3x3127

System Lm/w:
2700K:CRI95=3x57 CRI90=3x59 CRI80=3x77
3000K:CRI95=3x65 CRI90=3x70 CRI80=3x82
4000K:CRI95=3x69 CRI90=3x74 CRI80=3x88
5000K:CRI80=3x89

Beam Angle :17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDG902

33W LED Grill Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 35W

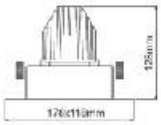
System Lumen:
2700K: CRI95=1990 CRI90=2083 CRI80=2713
3000K: CRI95=2275 CRI90=2455 CRI80=2868
4000K: CRI95=2412 CRI90=2618 CRI80=3075
5000K: CRI80=3127

System Lm/w:
2700K: CRI95=57 CRI90=59 CRI80=77
3000K: CRI95=65 CRI90=70 CRI80=82
4000K: CRI95=69 CRI90=74 CRI80=88
5000K: CRI80=89

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDG912

2x33W 2 head LED Grill Light

LED Power: 2x33W

LED Lumen:
2700K: CRI95=2x2341 CRI90=2x2463 CRI80=2x3192
3000K:CRI95=2x2675 CRI90=2x2888 CRI80=2x3375
4000K:CRI95=2x2838 CRI90=2x3060 CRI80=2x3618
5000K:CRI80=2x3679

System Power:2x35W

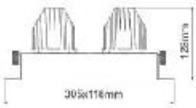
System Lumen:
2700K: CRI95=2x1990 CRI90=2x2093 CRI80=2x2713
3000K: CRI95=2x2275 CRI90=2x2455 CRI80=2x2868
4000K: CRI95=2x2412 CRI90=2x2618 CRI80=2x3075
5000K: CRI80=2x3172

System Lm/w:
2700K: CRI95=2x57 CRI90=2x59 CRI80=2x77
3000K: CRI95=2x65 CRI90=2x70 CRI80=2x82
4000K: CRI95=2x69 CRI90=2x74 CRI80=2x88
5000K: CRI80=2x89

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



LDG922

3x33W 3 head LED Grill Light

LED Power:3x33W

LED Lumen:
2700K:CRI95=3x2341 CRI90=3x2463 CRI80=3x3192
3000K:CRI95=3x2675 CRI90=3x2888 CRI80=3x3375
4000K:CRI95=3x2838 CRI90=3x3060 CRI80=3x3618
5000K:CRI80=3x3679

System Power:3x35W

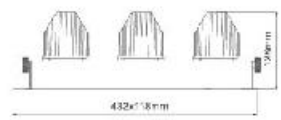
System Lumen:
2700K:CRI95=3x1190 CRI90=3x2093 CRI80=3x2713
3000K:CRI95=3x2275 CRI90=3x2455 CRI80=3x2868
4000K:CRI95=3x2412 CRI90=3x2618 CRI80=3x3075
5000K:CRI80=3x3127

System Lm/w:
2700K:CRI95=3x57 CRI90=3x59 CRI80=3x77
3000K:CRI95=3x65 CRI90=3x70 CRI80=3x82
4000K:CRI95=3x69 CRI90=3x74 CRI80=3x86
5000K:CRI80=3x89

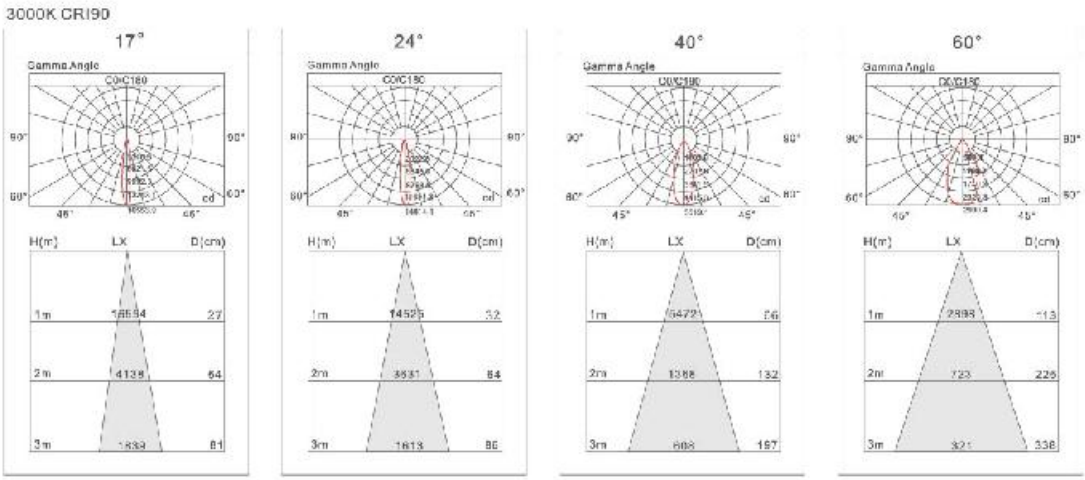
Beam Angle :17°/24°/40°/60°

Material: Aluminium

Tilting Angle: 30°



3000K CRI90



Accessories

33w LED Modular Down Light Series

Louver

Honeycomb

Cut-off Tube

Cut-off Tube

Wall-washer Tube

Color Filter(CCT)

3000k ➡ 4000k

3000k ➡ 2700k

3000k ➡ 2400k

Diffuser

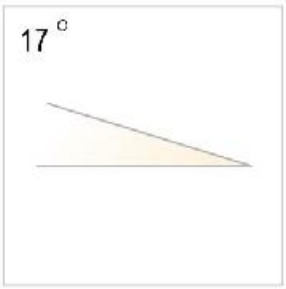
Frosted Glass

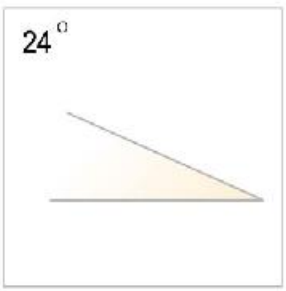
Clear Glass

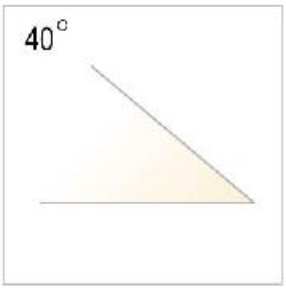
Elliptic Light Diffuser

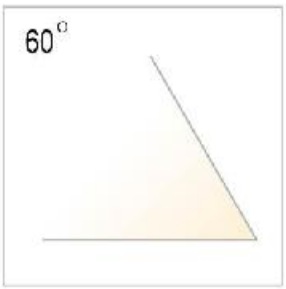
Linear Light Diffuser

Reflector









WALL LIGHT

LED

LTC717

LED Power: 33W

LED Lumen:
2700K: CRI95=2341 CRI90=2463 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

System Power: 36W

System Lumen:
2700K: CRI95=2013 CRI90=2118 CRI80=2746
3000K: CRI95=2300 CRI90=2500 CRI80=2322
4000K: CRI95=2440 CRI90=2631 CRI80=3111
5000K: CRI80=3163

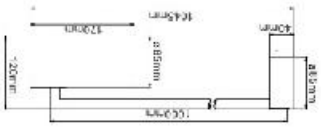
System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=68 CRI80=65
4000K: CRI95=68 CRI90=73 CRI80=88
5000K: CRI80=88

Beam Angle: 17°/24°/40°/60°

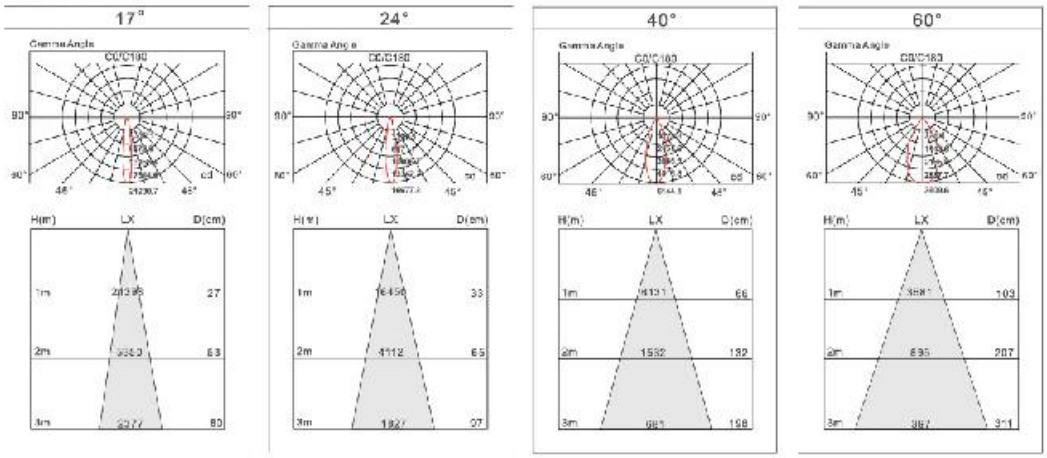
Material: Aluminium

Tilting Angle: 350°rotate/90°vertical

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

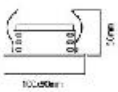


3000K CRI90



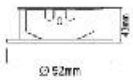
LWR133

1w Recessed wall Light
Lumen:3000K=74 lm, 6000K=93 lm
lm/w:3000K=74 lm/w, 6000K=93 lm/w
CRI: 3000K=80, 6000K=75
Material: Aluminium Alloy



LWR233

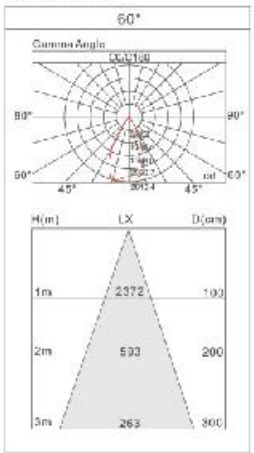
1w Recessed wall Light
Lumen:3000K=74 lm, 6000K=93 lm
lm/w:3000K=74 lm/w, 6000K=93 lm/w
CRI: 3000K=80, 6000K=75
Material: Aluminium Alloy



LED
SUSPENDED LIGHT

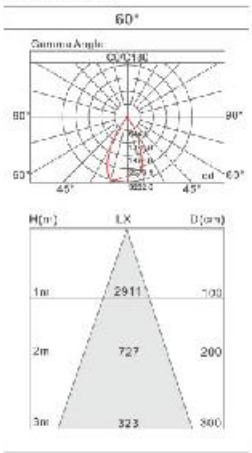
LHB501

3000K CRI90



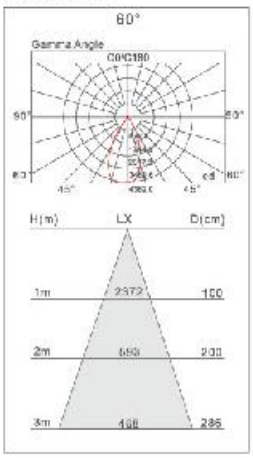
LHB502

3000K CRI90



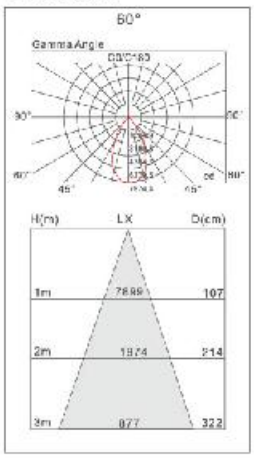
LHB503

3000K CRI90



LHB504

3000K CRI80



LHB501

26W High Bay Light with PC Shade

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2032 CRI80=2034
3000K: CRI95=2207 CRI90=2383 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

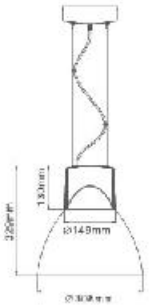
System Power:27W

System Lumen:
2700K: CRI95=1467 CRI90=1545 CRI80=2002
3000K: CRI95=1678 CRI90=1812 CRI80=2110
4000K: CRI95=1788 CRI90=1928 CRI80=2268
5000K: CRI80=2307

System Lm/w:
2700K: CRI95=55 CRI90=58 CRI80=75
3000K: CRI95=62 CRI90=68 CRI80=79
4000K: CRI95=68 CRI90=71 CRI80=84
5000K: CRI80=85

Beam Angle: 60°

Material: Aluminium



LHB502

33W High Bay Light with PC Shade

LED Power:33W

LED Lumen:
2700K: CRI95=2341 CRI90=2468 CRI80=3192
3000K: CRI95=2675 CRI90=2888 CRI80=3375
4000K: CRI95=2838 CRI90=3060 CRI80=3618
5000K: CRI80=3679

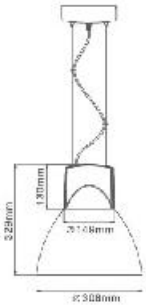
System Power: 36W

System Lumen:
2700K: CRI95=1616 CRI90=1911 CRI80=2477
3000K: CRI95=2076 CRI90=2242 CRI80=2619
4000K: CRI95=2202 CRI90=2375 CRI80=2808
5000K: CRI80=2855

System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=69
3000K: CRI95=58 CRI90=62 CRI80=73
4000K: CRI95=61 CRI90=66 CRI80=73
5000K: CRI80=79

Beam Angle: 60°

Material: Aluminium



LHB503

43W High Bay Light with PC Shade

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257
3000K: CRI95=3560 CRI90=3831 CRI80=4528
4000K: CRI95=3948 CRI90=4354 CRI80=4798
5000K: CRI80=4915

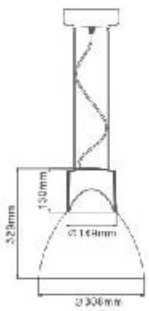
System Power: 47W

System Lumen:
2700K: CRI95=2381 CRI90=2529 CRI80=3235
3000K: CRI95=2705 CRI80=2908 CRI80=3441
4000K: CRI95=3000 CRI90=3309 CRI80=3648
5000K: CRI80=3736

System Lm/w:
2700K: CRI95=51 CRI90=54 CRI80=69
3000K: CRI95=58 CRI90=62 CRI80=73
4000K: CRI95=64 CRI90=70 CRI80=77
5000K: CRI80=78

Beam Angle: 60°

Material: Aluminium



LHB504

77W High Bay Light with PC Shade

LED Power: 77W

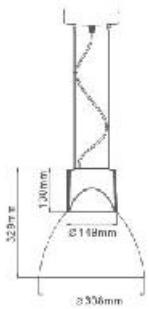
LED Lumen:
2700K: CRI80=7009
3000K: CRI80=7340 CRI70=7853
4000K: CRI80=7682 CRI70=8220
5000K: CRI70=7832 CRI70=8320

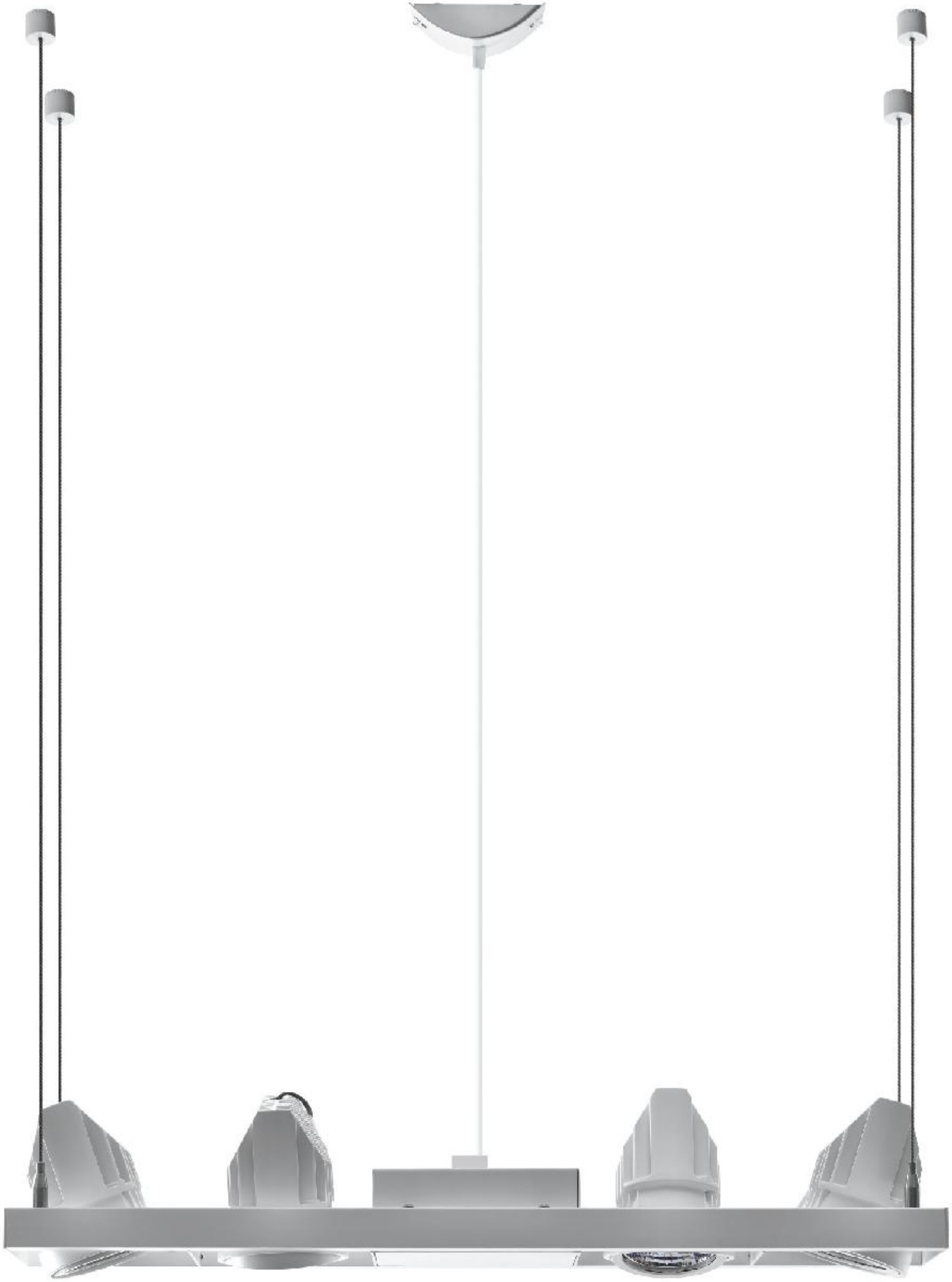
System Power: 79W

System Lumen:
2700K: CRI80=66077
3000K: CRI80=6364 CRI70=6808
4000K: CRI80=6660 CRI70=7127
5000K: CRI70=6790 CRI70=7213
System Lm/w:
2700K: CRI80=77
3000K: CRI80=81 CRI70=86
4000K: CRI80=84 CRI70=89
5000K: CRI80=86 CRI70=91

Beam Angle: 60°

Material: Aluminium





LSF504

33W 4 heads LED pendant lights

LED Power: 4x33W

LED Lumen:
2700K: CRI95=4x2341 CRI90=4x2463 CRI80=4x3192
3000K: CRI95=4x2675 CRI90=4x2888 CRI80=4x3375
4000K: CRI95=4x2838 CRI90=4x3060 CRI80=4x3618
5000K: CRI80=4x3679

System Power: 4x35W

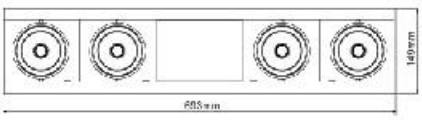
System Lumen:
2700K: CRI95=4x1990 CRI90=4x2094 CRI80=4x2713
3000K: CRI95=4x2274 CRI90=4x2448 CRI80=4x2869
4000K: CRI95=4x2412 CRI90=4x2601 CRI80=4x3075
5000K: CRI80=4x3127

System Lm/w:
2700K: CRI95=4x57 CRI90=4x60 CRI80=4x78
3000K: CRI95=4x65 CRI90=4x70 CRI80=4x82
4000K: CRI95=4x68 CRI90=4x74 CRI80=4x88
5000K: CRI80=4x89

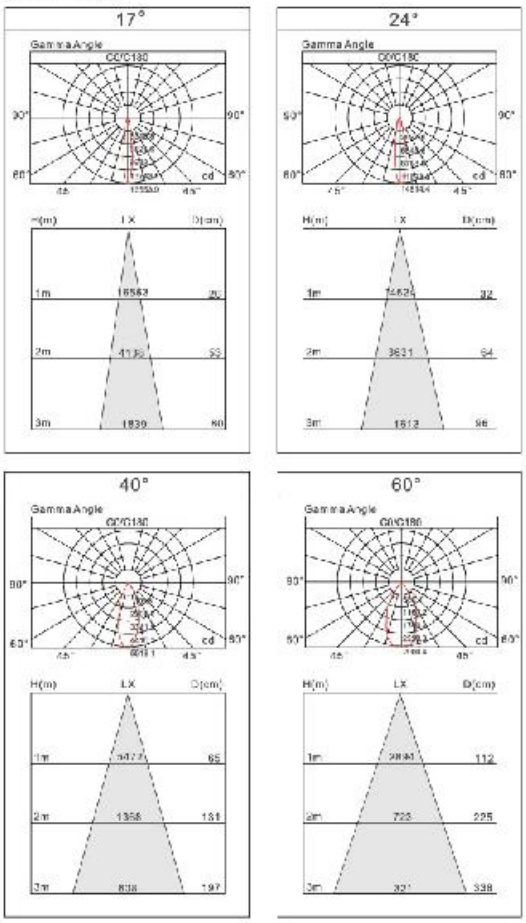
Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Tilting Angle:30°



3000K CRI90



Restaurant

Be a professional partner for long-term system solutions. To develop sustainable and efficient shop concepts, not only making them fit for the digital future but also executing the rollout. Small restaurant design ideas bellow look attractive enough with simple and rustic materials been used for the interior elements on every parts including the restaurant lighting. Rustic restaurant design ideas that appear so blinding with strong color application and right lighting application to create warm restaurant interior design.

In the main room, pendant lighting mounted on a special lane on the ceiling above the dining table, so as resemble track lighting. To give more emphasis, restaurant LED lighting design installed in a hidden position behind wallpaper, thus creating interesting silhouette that seemed very much alive. The restaurant design is most perfect replica especially with the help of lighting design ideas with perfect beam to produce lighting effects that very support the atmosphere in the restaurant.

LSF702

LED Power:16W

LED Lumen:
2700K: CRI95=1261 CRI90=1326 CRI80=1703
3000K: CRI95=1408 CRI90=1523 CRI80=1801
4000K: CRI95=1527 CRI90=1651 CRI80=1916
5000K: CRI90=1942 CRI80=1949

System Power: 20W

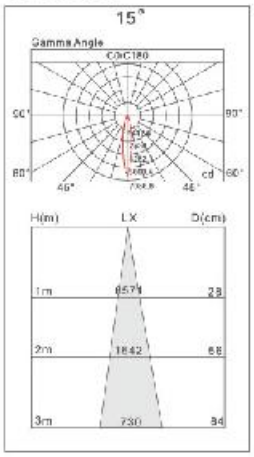
System Lumen:
2700K: CRI95=883 CRI90=928 CRI80=1192
3000K: CRI95=986 CRI90=1083 CRI80=1260
4000K: CRI95=1070 CRI90=1156 CRI80=1341
5000K: CRI90=1359 CRI80=1364

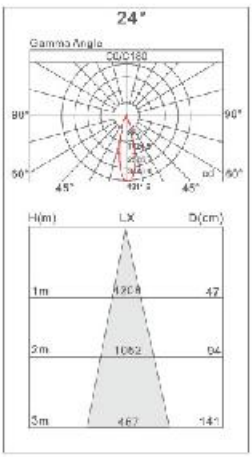
System Lm/w:
2700K: CRI95=44 CRI80=46 CRI80=59
3000K: CRI95=49 CRI90=54 CRI80=63
4000K: CRI95=53 CRI90=58 CRI80=67
5000K: CRI90=67 CRI80=68

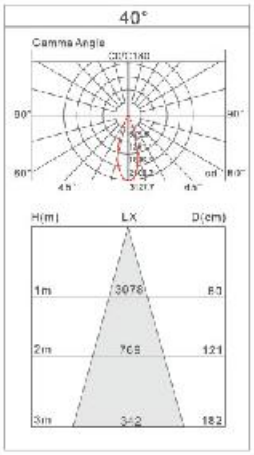
Beam Angle: 15°/24°/40°/60°

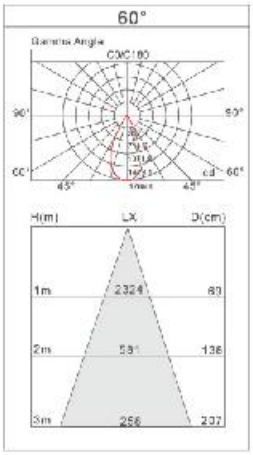
Material: Aluminium

3000K CRI90









LED

SURFACE MOUNTED

LSC201

13W Surface Mounted Down Light

LED Power: 13W

LED Lumen:
2700K: CRI95=922 CRI90=979 CRI80=1253
3000K: CRI95=1048 CRI90=1127 CRI80=1332
4000K: CRI90=1224 CRI80=1424
5000K: CRI90=1237 CRI80=1435

System Power: 15W

System Lumen:
2700K: CRI95=747 CRI90=793 CRI80=1015
3000K: CRI95=849 CRI90=913 CRI80=1079
4000K: CRI90=991 CRI80=1153
5000K: CRI80=1002 CRI80=1162

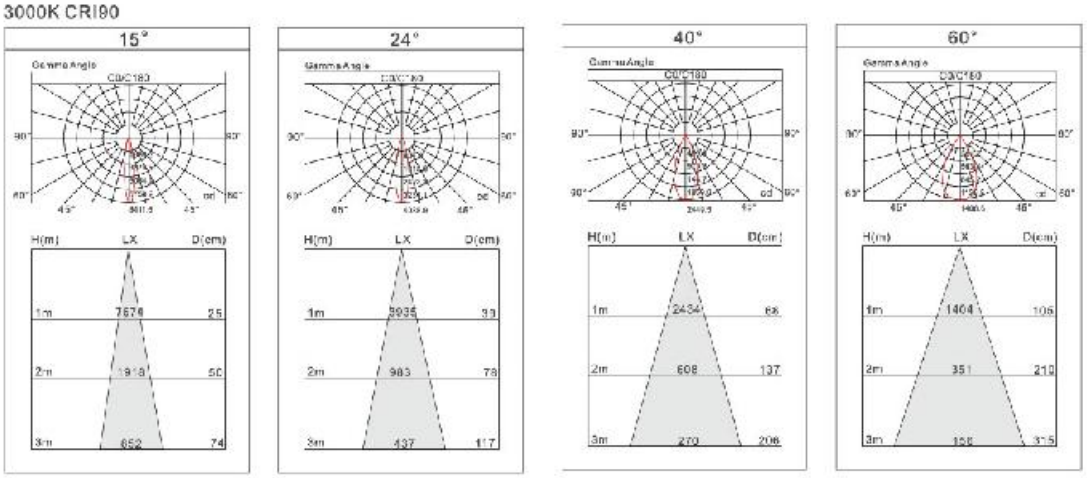
System Lm/w:
2700K: CRI95=50 CRI90=53 CRI80=68
3000K: CRI95=57 CRI90=61 CRI80=72
4000K: CRI90=66 CRI80=76
5000K: CRI90=67 CRI80=77

Beam Angle: 15°/24°/40°/60°

Material: Aluminium

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90



LSC202

26W Surface Mounted Down Light

LED Power: 26W

LED Lumen:
2700K: CRI95=1931 CRI90=2031 CRI80=2638
3000K: CRI95=2207 CRI90=2382 CRI80=2784
4000K: CRI95=2353 CRI90=2537 CRI80=2985
5000K: CRI80=3035

System Power: 28W

System Lumen:
2700K: CRI95=1699 CRI90=1787 CRI80=2321
3000K: CRI95=1942 CRI90=2088 CRI80=2450
4000K: CRI95=2071 CRI90=2233 CRI80=2627
5000K: CRI80=2671

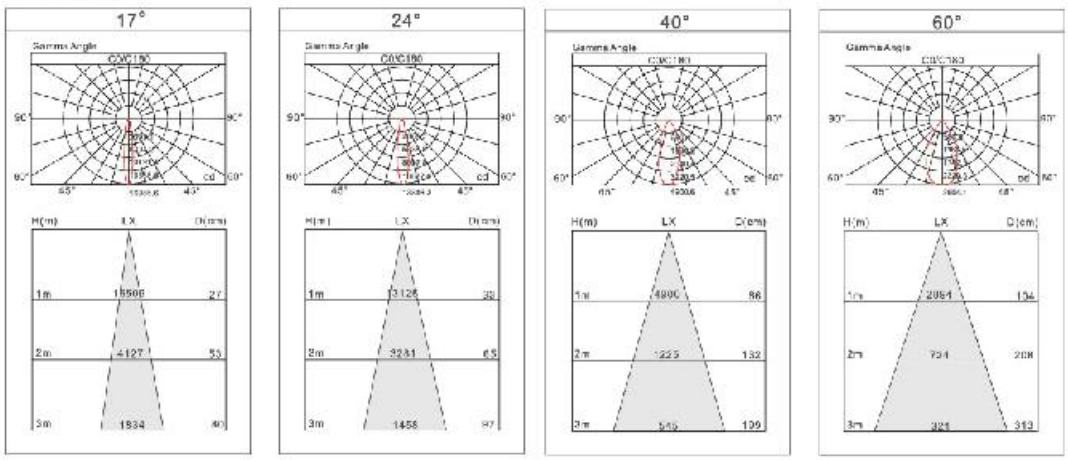
System Lm/w:
2700K: CRI95=61 CRI90=64 CRI80=83
3000K: CRI95=69 CRI90=75 CRI80=88
4000K: CRI95=74 CRI90=80 CRI80=94
5000K: CRI80=95

Beam Angle: 17°/24°/40°/60°

Material: Aluminium

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90



LSC203

33W **Surface** Mounted Down Light

LED Power: 33W

LED Lumen:
2700K: CRI95=2547 CRI90=2704 CRI80=3458
3000K: CRI95=2892 CRI90=3113 CRI80=3679
4000K: CRI80=3899
5000K: CRI80=3993

System Power: 39W

System Lumen:
2700K: CRI95=2267 CRI90=2407 CRI80=3078
3000K: CRI95=2574 CRI90=2767 CRI80=3274
4000K: CRI80=3470
5000K: CRI80=3554

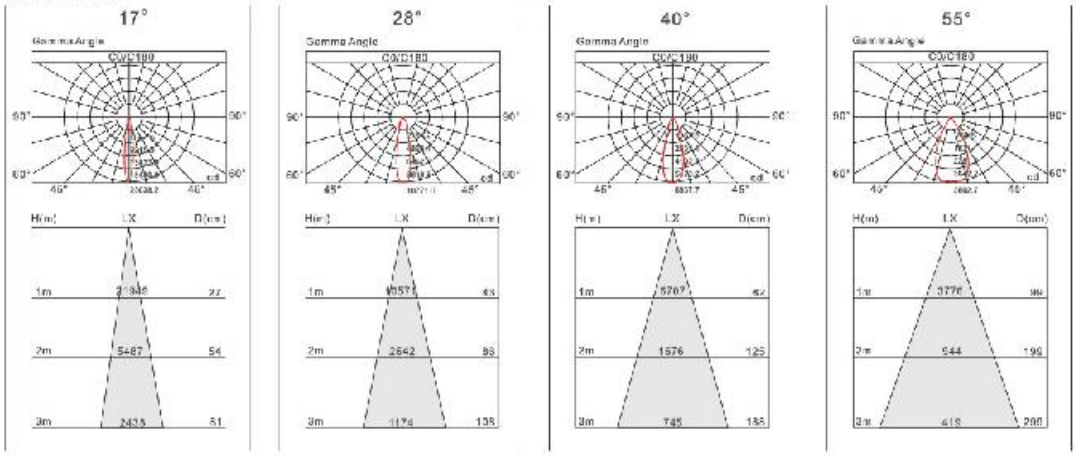
System Lm/w:
2700K: CRI95=63 CRI90=67 CRI80=86
3000K: CRI95=72 CRI90=77 CRI80=91
4000K: CRI80=96
5000K: CRI80=99

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Input Voltage:
Non-dimmable 100-240V 50/60Hz
Dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90



LSC204

43W Surface Mounted Down Light

LED Power: 43W

LED Lumen:
2700K: CRI95=3134 CRI90=3328 CRI80=4257;
3000K: CRI95=3560 CRI90=3831 CRI80=4526;
4000K: CRI95=3948 CRI90=4354 CRI80=4798;
5000K: CRI80=4915

System Power: 50W

System Lumen:
2700K: CRI95=2820 CRI90=2995 CRI80=3831
3000K: CRI95=3204 CRI90=3448 CRI80=4075
4000K: CRI95=3553 CRI90=3919 CRI80=4318
5000K: CRI80=4424

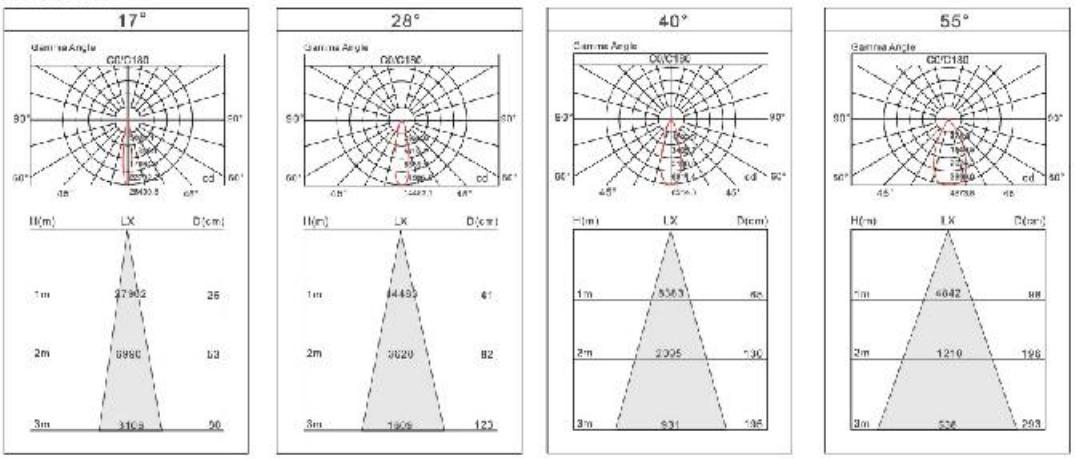
System Lm/w:
2700K: CRI95=56 CRI90=59 CRI80=76
3000K: CRI95=64 CRI90=69 CRI80=81
4000K: CRI95=71 CRI90=78 CRI80=86
5000K: CRI80=88

Beam Angle: 17°/28°/40°/55°

Material: Aluminium

Input Voltage:
Non-dimmable 100-130V 50/60Hz; 220-240V 50/60Hz

3000K CRI90



LED
MODULE


Rio®
LLR03

LLR01

7W LED Module

LED Power: 7W

LED Lumen:
2700K: CRI95=492 CRI90=529 CRI80=683
3000K: CRI95=566 CRI90=603 CRI80=713
4000K: CRI90=654 CRI80=769
5000K: CRI80=781

System Power: 8W

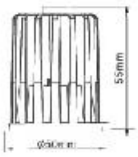
System Lumen:
2700K: CRI95=351 CRI90=377 CRI80=487
3000K: CRI95=404 CRI90=430 CRI80=509
4000K: CRI90=466 CRI80=548
5000K: CRI80=557

System Lm/w:
2700K:CRI95=44 CRI90=47 CRI80=61
3000K:CRI95=50 CRI90=54 CRI80=64
4000K:CRI90=58 CRI80=69
5000K:CRI80=70

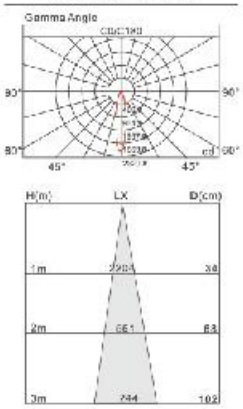
Beam Angle :20°/38°/55°

Material: Aluminium

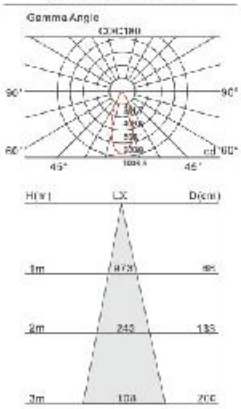
Input Voltage:350mA 20VDC



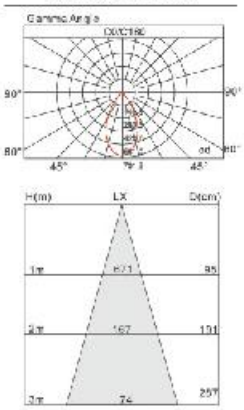
3000K CRI90-20°



3000K CRI90-38°



3000K CRI90-55°



LLR03

7W LED GU10 Module with build-in dimmable Driver

LED Power : 7W

LED Lumen:
2700K: CRI95=492 CRI90=529 CRI80=683
3000K: CRI95=566 CRI90=603 CRI80=713
4000K: CRI90=654 CRI80=769
5000K: CRI80=781

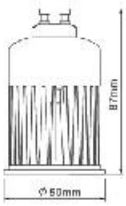
System Power: 8W

System Lumen:
2700K: CRI95=351 CRI90=377 CRI80=487
3000K: CRI95=404 CRI90=430 CRI80=509
4000K: CRI90=466 CRI80=548
5000K: CRI80=557

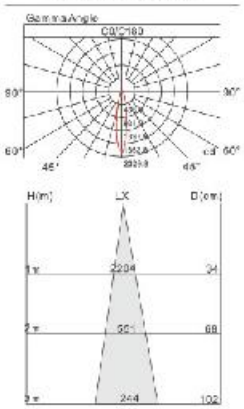
System Lm/w:
2700K: CRI95=62 CRI90=67 CRI80=86
3000K: CRI95=71 CRI90=76 CRI80=90
4000K: CRI90=82 CRI80=98
5000K: CRI80=99

Beam Angle: 20°/38°/55°

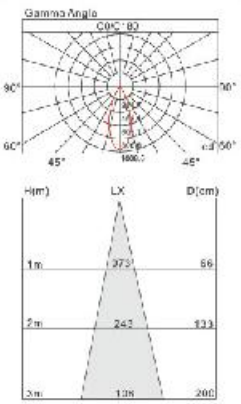
Bease:GU10
Material: Aluminium
Input Voltage: 220-240VAC Dimmable



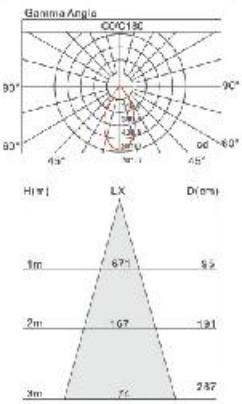
3000K CRI90-20°



3000K CRI90-38°



3000K CRI90-55°



LLR04

9W LED Module

LED Power:9W

LED Lumen:
2700K:CRI95=636 CRI90=683 CRI80=882
3000K:CRI95=731 CRI90=779 CRI80=922
4000K:CRI90=870 CRI80=993
5000K:CRI80=1009

System Power:10W

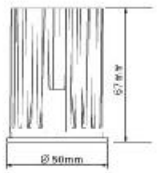
System Lumen:
2700K:CRI95=593 CRI90=637 CRI80=823
3000K:CRI95=682 CRI90=726 CRI80=860
4000K:CRI90=811 CRI80=926
5000K:CRI80=941

System Lm/w:
2700K:CRI95=59 CRI90=64 CRI80=82
3000K:CRI95=68 CRI90=73 CRI80=86
4000K:CRI90=81 CRI80=93
5000K:CRI80=94

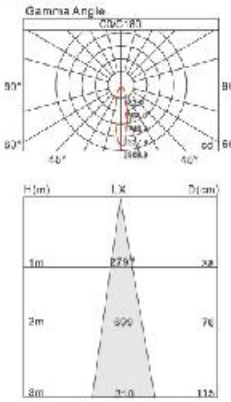
Beam Angle :20°/38°/55°

Material: Aluminium

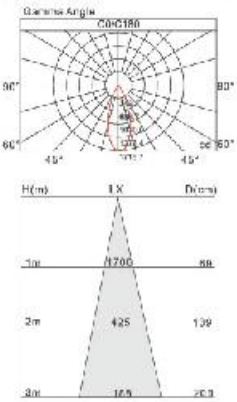
Input Voltage:500mA 18VDC



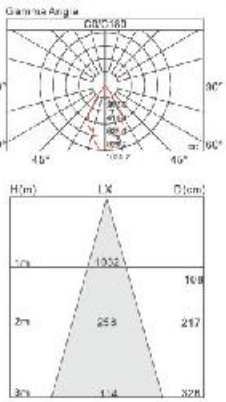
3000K CRI90-20°



3000K CRI90-38°



3000K CRI90-55°



LLR011

4.6W LED Module

LED Power:4.6W

LED Lumen:
2700K:CRI95=301 CRI90=309 CRI80=400
3000K:CRI95=330 CRI90=359 CRI80=462
4000K:CRI90=421 CRI80=458
5000K:CRI80=470

System Power:5.7W

System Lumen:
2700K:CRI95=255 CRI90=261 CRI80=338
3000K:CRI95=279 CRI90=303 CRI80=390
4000K:CRI90=355 CRI80=387
5000K:CRI80=397

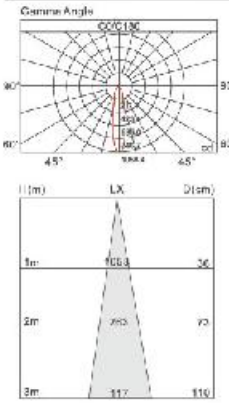
System Lm/w:
2700K:CRI95=45 CRI90=48 CRI80=59
3000K:CRI95=49 CRI90=53 CRI80=69
4000K:CRI90=62 CRI80=68
5000K:CRI80=70

Beam Angle :20°/40°

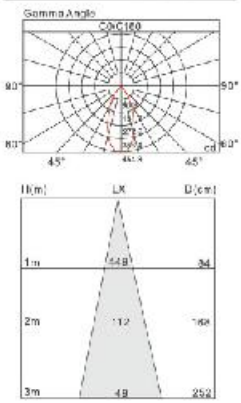
Material: Aluminium

Input Voltage:9VDC 500mA

3000K CRI90-20°



3000K CRI90-40°



LLA32

13W LED Ar111 Module

Lumen:
2700K=1059 lm, 3000K=1113 lm
4000K=1198 lm, 5000K=1230 lm

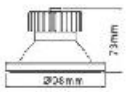
Lm/w:
2700K=81 lm/w, 3000K=86 lm/w
4000K=92 lm/w, 5000K=95 lm/w

CRI:
2700K=82, 3000K=82, 4000K=82, 5000K=82

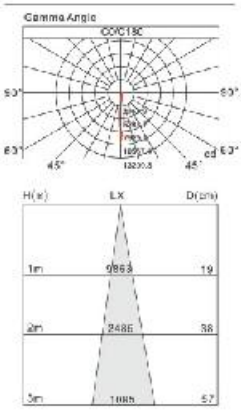
Beam ANGLE: 12°/24°/40°

Material:Aluminium

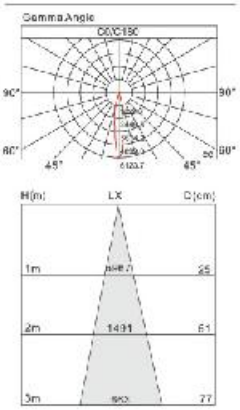
Input Voltage:700mA 18.5VDC



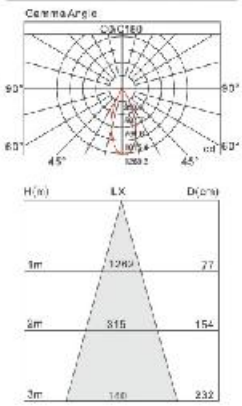
3000K CRI82-12°



3000K CRI82-24°



3000K CRI82-40°



LLA33

18W AR111 LED Module

Lumen:
2700K = 1610 lm, 3000K = 1700lm,
4000K = 1810 lm, 5000K = 1820 lm

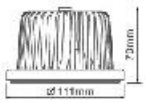
Lm/w:
2700K = 89.4 lm/w, 3000k =94lm/w,
4000K =100lm/w, 5000K =101lm/w

CRI:
2700K=82, 3000K=82, 4000K=82, 5000K=82

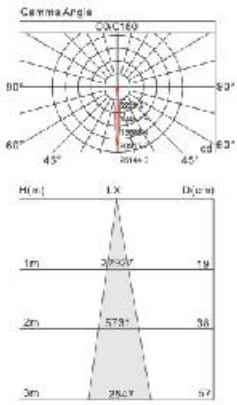
Beam Angle : 12°/24°/40°

Material: Aluminium

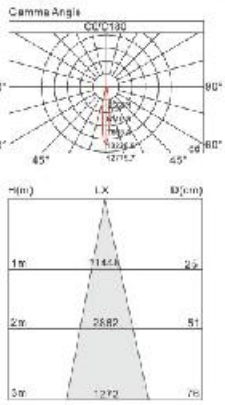
Input Voltage:500mA 36.5VDC



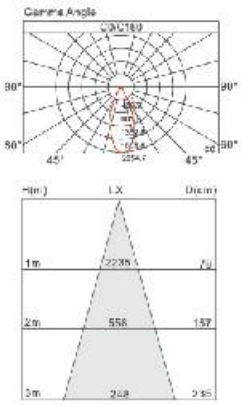
3000K CRI82-12°



3000K CRI82-24°



3000K CRI82-40°



LLM04

5W LED MR18 Lamp

Lumen: 2700K=270lm, 3000K=279lm, 4000K=280lm, 5000K=306lm

Lm/w: 2700K=54lm/w, 3000K=56lm/w, 4000K=57lm/w, 5000K=61lm/w

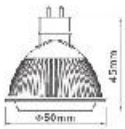
CRI: 82

Beam Angle: 25°/40°

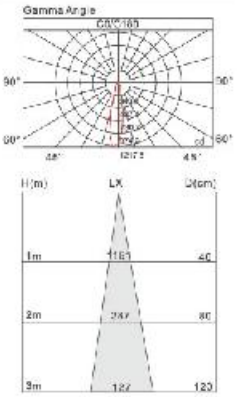
Material: Aluminium Alloy

Base: G5.3

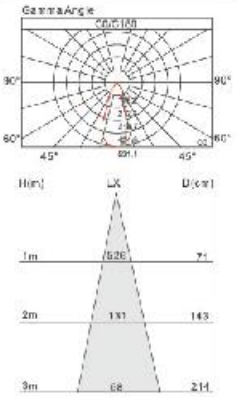
Input Voltage: 12VAC/DC



3000K CRI82-25°



3000K CRI82-40°



LLM06

6W LED MR16 Lamp

Lumen: 2700K=360lm, 3000K=390lm, 4000K=420lm, 5000K=420lm

Lm/w: 2700K=60lm/w, 3000K=65lm/w, 4000K=70lm/w, 5000K=70lm/w

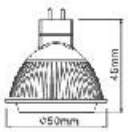
CRI: 82

Beam Angle: 25°/40°

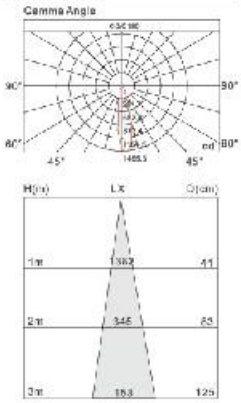
Material: Aluminium Alloy

Base: G5.3

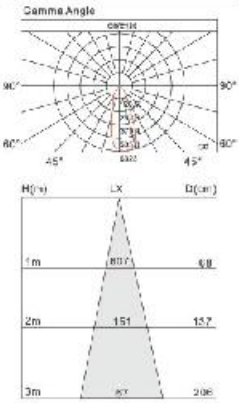
Input Voltage: 12VAC/DC



3000K CRI82-25°



3000K CRI82-40°



LLM08

7.5W LED MR16 Lamp

Lumen: 2700K=610lm, 3000K=660lm, 4000K=710lm, 5000K=820lm

Lm/w: 2700K=76.3lm/w, 3000K=82.5lm/w, 4000K=88.7lm/w,
5000K=102lm/w

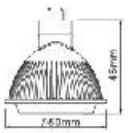
CRI: 82

Beam Angle: 25°/40°

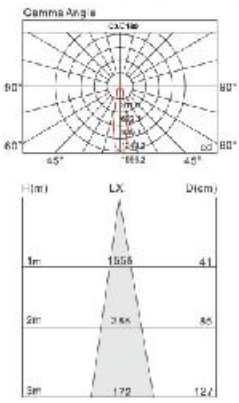
Material: Aluminium Alloy

Base: G5.3

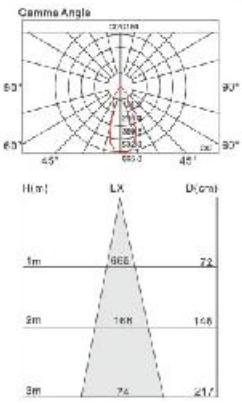
Input Voltage: 12VAC/DC



3000K CRI82-25°



3000K CRI82-40°



Energy saving: Power consumption is 1/2 comparing with current energy-saving lamps

RIO LED Lamp

The Commercial Lighting Expert

Durable: The life span of LED lights is over 50000 hours. 50 times of incandescent lamp life, 6 times of energy-saving lamps, costs of maintenance and replacement are largely reduced. It is a real environmental friendly and energy saving product and it could be used to replace traditional bulb light series directly.

Features:LED bulb light is high brightness, no infrared, no UV, no heat effect, no flicker, no noise, no pollution, no radio interference, no silver and other contamination. Wouldn't hurt our eyes and skin.

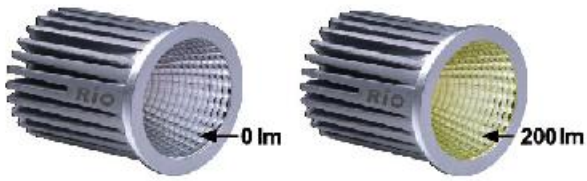
It could be used to replace traditional bulb light series directly.

basic terminology of lighting design

Luminous flux (Lumen)

Unit: lumen [lm]

Lumen is the measure of the perceived power of light.
It differs from radiant flux, the measure of the total power of light emitted.
Lumen is adjusted to reflect the varying sensitivity of the human eye to different wavelengths of light.



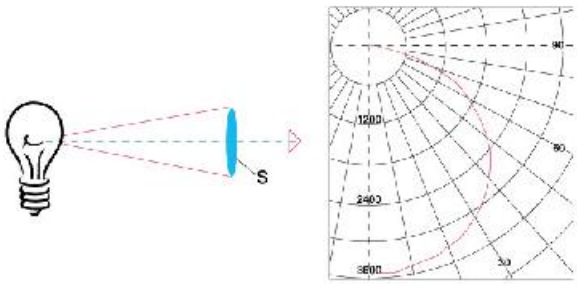
Luminous Intensity (candela)

Unit: candela [cd]

The candela is the unit of measurement for luminous intensity and it is used to indicate how bright a lamp is in a given direction.
It is used when specifying the performance of reflector lamps.
Candela is a measure of the wavelength-weighted power emitted by a light source in a particular direction per unit solid angle.

Formula

$$\text{Luminous intensity (cd)} = \frac{\text{Luminous flux [lm]}}{\text{Solid angle [sr]}}$$



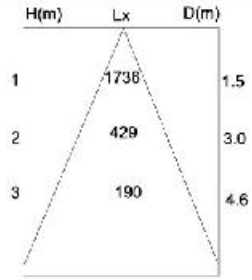
S: The surface resulted by the specific angle and the intensity
I: Luminous intensity

Illuminance (Lux)

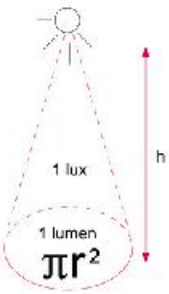
Unit: Lux [lx]

Lux is the ratio the quantity of light or luminous flux incident on a surface to the area of that surface (πr^2).
Used when quantifying the amount of light falling onto a surface.
Independent of the direction from which the luminous flux reaches the surface.
One lumen of luminous flux, uniformly incident on:
1 square meter of area => produces 1 lux.

P.S. It is also referred to as light level, illumination level or illumination value.



Cone to 50% of centre illuminance



Formula

$$\text{Illuminance (Lux) [lx]} = \frac{\text{Luminous Flux [lm]}}{\text{Area } [\pi r^2]}$$

Office (200-400 lux)

Boutique (400-500 lux)

Shopping mall (200-300 lux)

Street light (40-80 lux)

Colour temperature

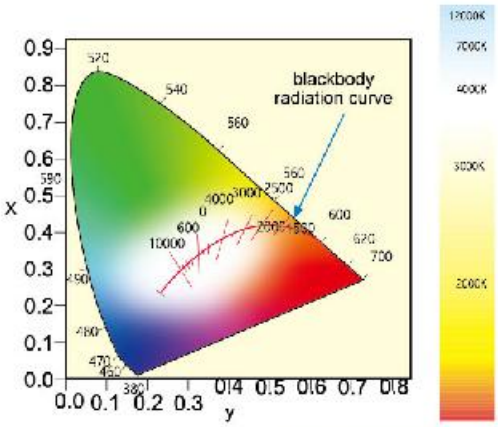
Unit: Kelvin[K]

The specific colour shown at a particular temperature is the colour temperature. The colour temperature is normally shown in units of absolute temperature, Kelvin [K].

Colour temperature is related to Planck's law and to Wien's displacement law.

Higher colour temperatures (5,000 K or more) ►cool colors (bluish white)
The middle temperature (3700-5000k) ►neutral colours (nearly white)
The lower colour temperatures (2,600-3,700 K) ►warm colours (yellowish white through red)

The colour temperature of a light source is the temperature of an ideal blackbody that emits light of comparable due to that light source.
When the blackbody is heated enough and begins to emit light, it becomes dull red. When more heat is applied, it glows yellow, and then white, and finally blue.
Like a piece of metal is heated, the colour of light of the metal emits will be changed in higher temperature



4000K
Cool colour

3000K
Warm colour

Colour Rendering Index (CRI)

Visible Colour ↑ ↓ = CRI (Ra) ↑ ↓

The criterion here is the colour rendering property of a light source. It is called "general Colour Renderin g Index" [Ra].

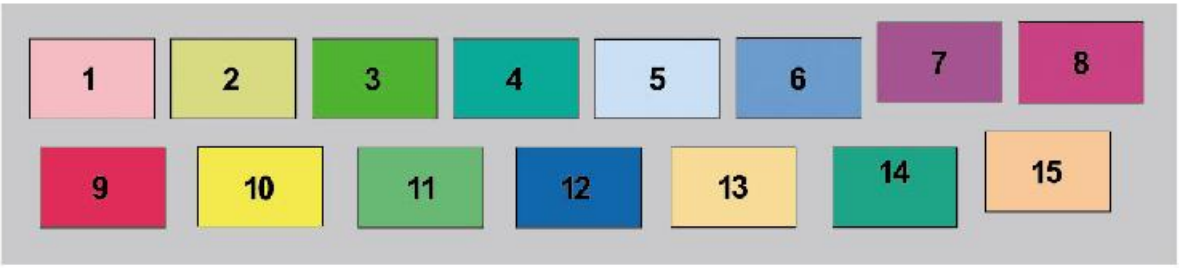
Colour Rendering Index (CRI) is a quantitative measure of the ability of a light source to reproduce the colors of different objects faithfully in comparison with an ideal or natural light source.

The extent to which light is capable of making objects appear their true colour is known as colour rende ring.

A lamp's value on the Ra scale is showing its Colour Rendering Index (CRI). The index from 0 to 100, f or example, the incandescent has 100 Ra means the highest of CRI, if it is 0 Ra means the lowest of CRI.

The average "shift" in those eight color samples is reported as Ra or CRI. In addition to the eight colo r samples used by convention, some lighting manufacturers report an "R9" score, which indicates how well the light source renders a saturat ed deep red color.

Light sources with a high CRI, which are depend with colour-critical functions.
Although light sources having the same colour temperature will also have the same colour appearance , this does not necessarily mean that coloured surfaces will look the same under them.
Those spectral wavelengths contained in the incident light that are reflected, will determine the colour im pression we obtain from the surface.



Luminous efficacy

Unit: lm/w

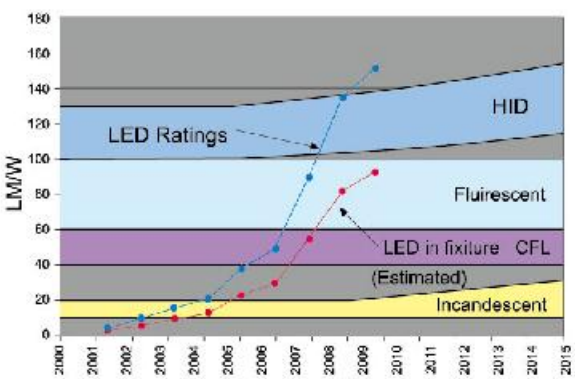
Energy efficiency of light sources is typically measured in lumens per watt (lm/W).
It is indeed the luminous flux that is being emitted from a light source to the electric power by the source.
The luminous efficacies that can actually be attained vary depending on the lamp.
Luminous efficiency of light source will be consumed by the representative of the efficiency of electrical energy into light.

Formula

$$\text{Luminous efficacy (lm/W)} = \frac{\text{Luminous Flux [lm]}}{\text{Power of Lamp [W]}}$$

LED Development

Lumens Ratings vs. In Fixture



Rated lumens are measured under controlled thermal conditions (25C Junction temperature)... In-fixture lumens are reduced due to higher junction temperatures.

Lamps with Comparable Performance

Lamps with Comparable Performance

Light Output(lm)	400	800	1200	2000
Incandescent	40W A-Line 40W B10 40WG25	60W A-Line 65W B10	75W A-Line	15W A-Line
Halogen	35W PAR 35W MR16 35W Bi-Pin	50W PAR 50W MR16 50W Bi-Pin	75W A-PAR	120W A-PAR
Compact Fluorescent	7W CEI	13W CEI	18W CEI	26W CEL
HID	—	—		35W MH 35W HPS

Note Lamp equivalents for available lumen options based or average conventional lamp performance

Bulb light

Energy saving: Power consumption is 1/2 comparing with current energy-saving lamps

Durable: The life span of LED lights is over 50000 hours. 50 times for incandescent lamp life, 6 times for energy-saving lamps, costs of maintenance and replacement are largely reduced. It is a real environmental friendly and energy saving product and it could be used to replace traditional bulb light series lighting directly.

Features:
LED bulb light is high brightness, no infrared, no UV, no heat effect, no flicker, no noise, no pollution, no radio interference, no silver and other contamination. Wouldn*t hurt our eyes and skin.

It could be used to replace traditional bulb light series lighting directly.

LED Ceiling light

Energy saving: Power consumption is 1/2 comparing with fluorescent energy-saving lamps.

Durable: The life span of LED lights is over 50000 hours. 50 times for incandescent lamp life, 6 times for energy-saving lamps, costs of maintenance and replacement are reduced. It is a real environmental friendly and energy saving product and it could be used to replace traditional bulb light series lighting directly.

It could be used to replace traditional Ceiling light directly with RIO*s single light source design..

Spot lighting

Energy saving: power consumption is 1/6 comparing with current quartz lamps.

Durable: The life span of LED lights is over 50000 hours. 20 times of quartz lamp life, costs of maintenance and replacement are reduced.

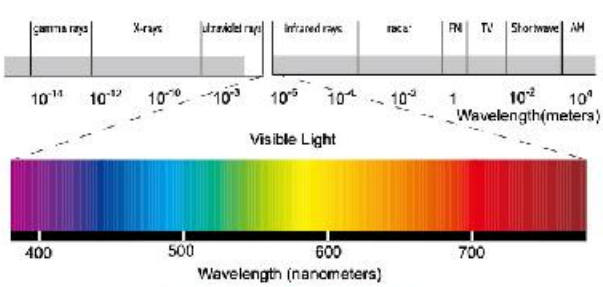
Application: Apply to all commercial use and especially for museum. LED spot lighting do not produce UV and infrared. It will not damage the artware. It could be used to direct replace the original quartz lighting with RIO' s single light source design.

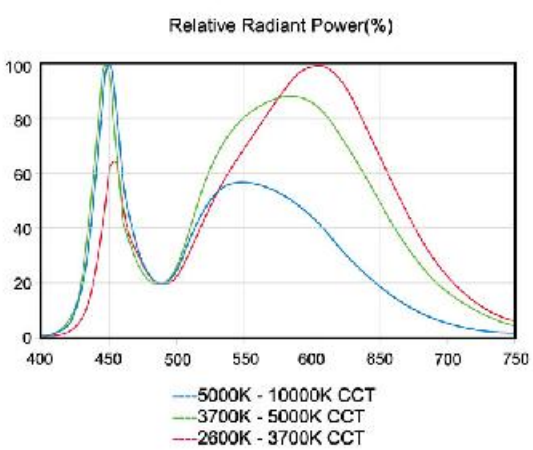
Beam angle

It is the angle between the two directions opposed to each other over the beam axis for which the luminous intensity is half that of the maximum luminous intensity. The angle between those points on opposite sides of the beam axis where the intensity drops to 50% of maximum.

LED of Wavelength(λ)

Light-emitting diodes (LEDs) differ from other light sources, such as incandescent and fluorescent lamps, in the way they generate white light. We are accustomed to lamps that emit white light. But what does that really mean? What appears to our eyes as "white" is actually a mix of different wavelengths in the visible portion of the electromagnetic spectrum. The diagram below illustrates visible light as one small portion of the overall electromagnetic spectrum. Electromagnetic radiation in wavelengths from about 380 to 770 nanometers is visible to the human eye.





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Visual Stimulus

Gamut Area Index(GAI)

LED technology has made a huge progress in the development, and LED lightings are getting more and more popular. However, the past standard has limited ability to measure the LED light source, and other factor must be taken into account to determine a good luminous environment. That factor is called Gamut Area Index (GAI).

Gamut Area Index (GAI) is usually calculated from the area of the polygon defined by the chromaticity of the eight color swatches used in CRI definition for a light source (R1~ R8), the same reference samples used to calculate color rendering index (CRI) in CIE 1976 color space when illuminated by a given light source.

High GAI is characteristic of a source with good color discrimination and saturation of colors or vividness. GAI can be over 100, but this usually means colors appear oversaturated. Generally, architects, lighting specialists, industrial designers, and theatrical lighting designers recommend choosing a source with high CRI (85 or greater) and a high GAI (80-100). We can use CRI and GAI to take a balance, the light performance will be better.

The calculations of Gamut Area, the blue area means standard reference and the red area means the measured value.

4000K
CRI 95
GAI 100

4000K
CRI 80
GAI 80

Dialux Partner

Rio is Dialux member have upload the luminaires information on the database, some customers can download Rio plugin from Dialux website or Rio website. Customer can use plugin to use a one button "send to Dialux" can put the IES file to the Dialux EVO and used this data to calculate the data.

Rio provides professional lighting simulation service for all your projects.

LIGHT DYNAMIC

SOLID STATE LIGHTING

The Commercial Lighting Expert

Energy saving: Power consumption is 1/2 comparing with current energy-saving lamps

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